

A. L. KUZEMSKY: LIST OF PUBLICATIONS.
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1969

V1. К теории ферромагнитного кристалла с двумя спинами в узле. // Сообщение ОИЯИ, Дубна. 1969, P4-4705, 18с. Совместно с Л.А. Максимовым.

1970

V2. Derivation of the Kinetic Equation for the System Coupled to Thermal Bath. // Communication JINR, Dubna, 1970, E4-4862, 16pp. With K. Walasek.

V3. Кинетические уравнения для системы в термостате. // ТМФ, 1970, Т.4, С.267–276. Совместно с К. Валясеком. [English Translations: Theor.Math.Phys. 1971, V.4, P.826].

V4. Продольная ядерная спин-решеточная релаксация в твердом ортоводороде. // Сообщение ОИЯИ, Дубна. 1970, P4-4893, 21с. Совместно с К. Валясеком.

V5. Теория ядерной спин-решеточной релаксации в твердом ортоводороде. // ТМФ, 1970, Т.4, С.383–393. Совместно с К. Валясеком. [English Translations: Theor.Math.Phys. 1971, V.4, P.908].

V6. Уравнение типа Шредингера с затуханием для динамической системы в термостате. // Сообщение ОИЯИ, Дубна. 1970, P4-5022, 20с. Совместно с Д.Н.Зубаревым и К. Валясеком.

V7. Уравнение типа Шредингера с затуханием для динамической системы в термостате. // ТМФ, 1970, Т.5, С.280–292. Совместно с Д.Н.Зубаревым и К. Валясеком. [English Translations: Theor.Math.Phys. 1971, V.5, P.1150].

V8. Theory of Zeeman Level Width of Nuclear Spins in Solid Ortho-Hydrogen. // Phys.Lett. 1970, V.32A, P.399–400. With K. Walasek.

V9. Ядерная спин-либронная релаксация в твердом ортоводороде. // 16-я Всесоюзная конференция по физике низких температур. Тезисы докладов. Ленинград. 1970, С.161.

V10. Применение метода неравновесного статистического оператора к теории твердого ортоводорода. // Диссертация на соискание ученой степени кандидата физ.-мат.наук. ОИЯИ, Дубна. 1970, 120 с.

V11. Применение метода неравновесного статистического оператора к теории твердого ортоводорода. // Автореферат диссертации на соискание ученой степени кандидата физ.-мат.наук. ОИЯИ, Дубна. 1970, 4-5455, 10 с.

1971

V12. Теория ширины ядерных зеемановских уровней в твердом ортоводороде. // ТМФ, 1971, Т.6, С.109–122. Совместно с К. Валясеком. [English Translations: Theor.Math.Phys. 1971, V.6, P.78].

V13. Замечание о вычислении естественной ширины спектральных линий атома методами неравновесной статистической механики. // Препринт ОИЯИ, Дубна. 1971, P4-5933, 9с. Совместно с К. Валясеком.

V14. On the Calculation of the Natural Width of Spectral Lines of Atom by the Methods of

Nonequilibrium Statistical Mechanics.// *Lettere al Nuovo Cimento*, 1971, V.2, P.953-957. With K.Walasek.

V15. Вывод кинетического уравнения для магнонов методом неравновесного статистического оператора.// *Acta Physica Polonica*, 1971, V.A40, P.205-212. Совместно с Т. Пашкевичем.

V16. К теории ферромагнитного кристалла с двумя спинами в узле.// *Физика металлов и металловедение*. 1971, Т.31, С.5-12. Совместно с Л.А. Максимовым. [English Translations: *The Physics of Metals and Metallography*. 1971, V.31, P.1-8. With L.A.Maksimov].

1972

B17. Note on the Diagonalization of a Quadratic Linear Form Defined on the Set of Second Quantized Fermion Operators.// *Reports on Mathematical Physics*, 1972, V.3, P.201-207. With A.Pawlikowski.

1973

V18. Взаимодействие между либронами в твердом ортоводороде. I. Рамановское рассеяние света и ширина линий поглощения.// *Acta Physica Polonica*, 1973, V.A44, P.289-302. Совместно с И.Л. Бухбиндером.

V19. Взаимодействие между либронами в твердом ортоводороде. II. Некоторые кинетические процессы в твердом ортоводороде.// *Acta Physica Polonica*, 1973, V.A44, P.303-310. Совместно с И.Л. Бухбиндером.

V20. Самосогласованное вычисление функций Грина в модели Хаббарда.// *Сообщение ОИ-ЯИ, Дубна*. 1973, P4-7225, 15с.

1974

V21. Диффузия ядерного магнитного момента в разбавленных сплавах.// *Сообщение ОИЯИ, Дубна*. 1974, P4-8209, 18с.

V22. Теория неупругого поперечного рассеяния нейтронов в переходных металлах.// *Сообщение ОИЯИ, Дубна*. 1974, P4-7820, 16с.

V23. Theory of Transverse Neutron Inelastic Scattering in the Transition Metals.// *Physics of Condensed Matter*, 1974, V.18, P.179-187.

V24. Двухзонная модель электронной корреляции в переходных металлах.// *Сообщение ОИ-ЯИ, Дубна*. 1974, P4-7820, 16с.

V25. Рассеяние медленных нейтронов на гематите в сильных магнитных полях.// *Сообщение ОИЯИ, Дубна*. 1974, P4-7947, 14с. Совместно с Е.А. Ткаченко.

V26. Рассеяние медленных нейтронов на гематите в сильных магнитных полях.// *ФТТ*. 1974, Т.16, С.3082-3088. Совместно с Е.А. Ткаченко.

1975

V27. Самосогласованная теория сильной корреляции в модели Хаббарда.// *Сообщение ОИ-ЯИ, Дубна*. 1975, P17-9239, 22с.

1976

V28. Спектр магнитных возбуждений четырехподрешеточного антиферромагнетика с антисимметричным обменным взаимодействием.// *Сообщение ОИЯИ, Дубна*. 1976, P17-9932, 11с.

V29. Магнон-магнонное взаимодействие в четырехподрешеточном антиферромагнетике с антисимметричным обменным взаимодействием.// *Сообщение ОИЯИ, Дубна*. 1976, P17-9931, 15с.

В30. О возможности исследования стонеровских возбуждений в переходных металлах с помощью рассеяния нейтронов. // Сообщение ОИЯИ, Дубна. 1976, P17-9656, 15с. Совместно с Л.Чер.

В31. К теории корреляции d-электронов в переходных металлах. // Acta Physica Polonica, 1976, V. A49, P.169-180.

1977

В32. Самосогласованное интерполяционное решение модели Хаббарда. Атомный и зонный пределы. // Сообщение ОИЯИ, Дубна. 1977, P4-10695, 22с.

В33. Новый интерполяционный подход к решению модели Хаббарда. // 2-я Всесоюзная конференция: Переход металл-изолятор. Тезисы докладов. Львов. 1977, С.95-97.

В34. Неупругое магнитное рассеяние нейтронов в переходных металлах в высокоэнергетической области. // Всесоюзная конференция по физике магнетизма. Тезисы докладов. Донецк. 1977, С.54-55.

1978

В35. Magnetic Excitations in Disordered Transition Metal Alloys. // Communication JINR, Dubna, 1978, E17-11899, 19p. With E.Kolley and W.Kolley.

В36. Самосогласованная теория электронной корреляции в модели Хаббарда. // ТМФ, 1978, Т.36, С.208-223. [English Translations: Theor.Math.Phys. 1979, V.36, P.692].

1979

В37. Спектр магнитных возбуждений ферромагнитных переходных металлов и рассеяние нейтронов. // Сообщение ОИЯИ, Дубна. 1979, P17-12169, 25с.

В38. Спиновые волны и их устойчивость в неупорядоченных ферромагнитных металлических сплавах. // ФТТ. 1979, Т.21, С.3100-3107. Совместно с Е.Коллей и В.Коллей.

1980

В39. Самосогласованная теория электрон-фононного взаимодействия в переходных металлах. // Сообщение ОИЯИ, Дубна. 1979, P17-80-741, 11с. Совместно с А.Холасом и Н.М.Плакидой.

В40. Электрон-фононное взаимодействие в модели Хаббарда с сильной корреляцией. // Сообщение ОИЯИ, Дубна. 1979, P17-80-773, 8с. Совместно с А.Холасом и Н.М.Плакидой.

1981

В41. Рассеяние нейтронов и магнитные свойства переходных металлов и сплавов. // Физика элементарных частиц и атомного ядра. 1981, Т.12, С.366-423. [English Translations: Sov.J.Part.Nucl. 1981, V.12, P.146].

В42. Электропроводность в модели переходного металла с несферической поверхностью Ферми. // Сообщение ОИЯИ, Дубна. 1981, P17-81-630, 14с. Совместно с Ф.Кристофом.

В43. Уравнения сверхпроводимости для переходных металлов в представлении Ваннье. // Сообщение ОИЯИ, Дубна. 1981, P17-81-588, 12с. Совместно с Г.Вуйчич и Н.М.Плакидой.

В44. On the Theory of Magnetic Excitations in Heavy Rare Earth Metals. // Proc.International Symposium on the Physics of Magnetism, Ed. by K.Elz, 1981, Dresden, pp.101-108. With V.Christoph and T.Frauenheim.

В45. Затухание магнитных возбуждений в тяжелых редкоземельных металлах. // Сообщение ОИЯИ, Дубна. 1981, P17-81-561, 14с. Совместно с Ф.Кристофом и Т.Фрауенхаймом.

В46. Theory of Electron-Phonon Interaction in Disordered Transition Metal Alloys. // Communication JINR, Dubna, 1981, E17-81-614, 17p. With K.Wysokinski.

1982

- B47. Уравнения сверхпроводимости для переходных металлов в представлении Ванье.// ТМФ, 1982, Т.53, С.138-145. Совместно с Г.Вуйич и Н.М.Плакидой. [English Translations: Theor.Math.Phys. 1982, V.53, P.1035. With G.Vujicic and N.M.Plakida].
- B48. To the Theory of Strong-Coupling Superconductivity in Disordered Transition Metal Alloys.// Communication JINR, Dubna, 1982, E17-82-649, 18p. With K.Wysokinski.
- B49. Conduction Electron Effects on Localized Spin Excitations in the RKKY-Theory of Magnetism.// Proc.Intern.Conference: Crystalline Electric Field Effects in f-Electrons Magnetism, Ed.by T.R.Guertin et al. 1982, Plenum Press, N.Y., P.219-226. With V.Christoph and T.Frauenheim.
- B50. Calculation of Transport Coefficients in Solids by Generalized Kinetic Equations.// Proc. 12-th Annual Intern.Symposium: Electronic Structure of Metals and Alloys, Ed. by P.Ziesche, 1982, Dresden, P.170-178. With V.Christoph.
- B51. Electrical Conductivity of a Metallic System with a Non-spherical Fermi Surface.// phys.stat.sol., 1982, V.b111, P.K1-K6. With V.Christoph.
- B52. Interaction of Tight-Binding Electrons with Phonons in Transition Metals and Their Compounds.// Proc. 12-th Annual Intern.Symposium: Electronic Structure of Metals and Alloys, Ed. by P.Ziesche, 1982, Dresden, P.228-237. With A.Holas, V.Christoph and N.M.Plakida.
- B53. Theory of the Electron-Phonon Interaction in Disordered Transition Metal Alloys.// Proc. 12-th Annual Intern.Symposium: Electronic Structure of Metals and Alloys, Ed. by P.Ziesche, 1982, Dresden, P.238-243. With K.Wysokinski.
- B54. Взаимодействие сильносвязанных электронов с фононами в переходных металлах и их соединениях.// Сообщение ОИЯИ, Дубна.1981, P17-82-493, 17с. Совместно с А.Холасом и Н.М.Плакидой.
- B55. The Eliashberg Equations for Disordered Transition Metal Alloys.// Proc. IV Intern.Conf.: Superconductivity in d- and f-Band Metals, Ed.by W.Buckel and W.Weber, 1982, Karlsruhe, P.363-366. With K.Wysokinski and N.M.Plakida.
- B56. Electron-Phonon Interaction in Disordered Transition Metal Alloys.// phys.stat.sol., 1982, V.b113, P.409-420. With K.Wysokinski.
- B57. Затухание магнонов в гадолинии при низких температурах.// 22-я Всесоюзная конференция по физике низких температур. Тезисы докладов. Кишинев. 1982, С.19-20.
- B58. Электрон-фононное взаимодействие, низкотемпературная теплоемкость и электропроводность в переходных металлах, их соединениях и разупорядоченных сплавах.// 22-я Всесоюзная конференция по физике низких температур. Тезисы докладов. Кишинев. 1982, С.21-22.
- B59. Уравнения сверхпроводимости для переходных металлов и их разупорядоченных сплавов.// 22-я Всесоюзная конференция по физике низких температур. Тезисы докладов. Кишинев. 1982, С.61-62.

1983

- B60. Влияние электрон-фононного взаимодействия на электропроводность разупорядоченных сплавов переходных металлов.// Сообщение ОИЯИ, Дубна. 1983, P17-83-260, 16с. Совместно с Ф.Кристофом.
- B61. Influence of Electron-Phonon Interaction on the Electrical Resistivity of Transition Metals and Their Disordered Alloys.// Europhysics Conference Abstracts. 3rd General Conference of the Condensed Matter of the EPS, Ed.by H.Thomas et al., 1983, Lausanne, P.443. With V.Christoph.
- B62. Локализованные и зонные электроны в переходных металлах и их разупорядоченных сплавах.// Физика низких температур. 1983, Т.9, С.779-780.
- LOCALIZED AND ZONE ELECTRONS IN TRANSITION-METALS AND THEIR DISORDERED ALLOYS - MAGNETIC, ELECTRIC AND SUPERCONDUCTING PROPERTIES.

Author: KUZEMSKII, A.L.

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B63.Метод неприводимых функций Грина в теории зонного магнетизма.// Всесоюзная конференция по физике магнетизма. Тезисы докладов. Тула. 1983, С.43-44.

B64.Сильносвязанные электроны и сверхпроводимость переходных металлов и их разупорядоченных сплавов.// 2-я Всесоюзная конференция: Металлофизика сверхпроводников. Тезисы докладов. Киев. 1983, С.71-73.

B65.The Influence of the Electron-Phonon Interaction on the Electroconductivity of Disordered Metallic Alloys.// phys.stat.sol., 1983, V.b120, P.K219-K224. With V.Christoph.

B66.Electron-Phonon Interaction and Resistivity of the Disordered Transition Metal Alloys.// Proc. 13-th Annual Intern.Symposium: Electronic Structure of Metals and Alloys, Ed. by P.Ziesche, 1983, Dresden, P.236-241. With V.Christoph.

B67.Self-Consistent Theory of an Electron-Phonon Interaction in Transition Metals and Their Compounds.// Physica, 1983, V.122B, P.168-182. A.Holas and N.M.Plakida.

B68.Transition Temperature of Superconducting d-Band Alloys.// Proc. 13-th Annual Intern.Symposium: Electronic Structure of Metals and Alloys, Ed. by P.Ziesche, 1983, Dresden, P.118-125. With K.Wysokinski.

B69.Self-Consistent Theory of the Quasiparticle Excitations in Magnetic Semiconductors.// Proc. 21 Intern.Conf.: Physics and Technics of Low Temperatures, 1983, Varna, P.172-173. With D.Marvakov and J.Vlahov.

B70.Electronic Spectrum of a Magnetic Semiconductor in the s-f Exchange Model Approximation.// Bulgarian J.Phys., 1983, V.10, P.289-296. With D.Marvakov and J.Vlahov.

B71.Самосогласованная теория магнитных полупроводников.// Сообщение ОИЯИ, Дубна.1983, P17-83-278, 14с. Совместно с Д.Марваковым и Й.Влаховым.

B72.The Theory for Strong-Coupling Superconductivity in Disordered Transition Metal Alloys.// J.Low Temperature Physics, 1983, V.52, P.81-98. With K.Wysokinski.

1984

B73.Theory of Quasiparticle Excitations in Magnetic Semiconductors.// Communication JINR, Dubna, 1984, E17-84-134, 19p. With D.Marvakov and J.Vlahov.

B74.On the Theory of Magnetic Polaron at Finite Temperatures.// Preprint ICTP, Trieste, 1984, IC/84/26, 10p. With D.Marvakov and J.Vlahov.

B75.Magnetic Polaron in Ferromagnetic Semiconductors. A New Self-Consistent Finite Temperature Solution.// Phys.Lett., 1984, V.105A, P.431-434. With D.Marvakov and J.Vlahov.

B76.Микроскопическая теория корреляционных эффектов в переходных металлах и сплавах.// Диссертация на соискание ученой степени доктора физ.-мат.наук. ОИЯИ, Дубна.1984, 350 с.

B77.Микроскопическая теория корреляционных эффектов в переходных металлах и сплавах.// Автореферат диссертации на соискание ученой степени доктора физ.-мат.наук. ОИЯИ, Дубна.1984, 17-84-751, 26 с.

1985

B78.Theory of Correlation Effects in Transition Metals and Their Alloys and Photoelectron Spectroscopy.// Communication JINR, Dubna, 1985, E17-85-209, 12p. With R.Toronko.

B79.Correlation Effects in Transition Metals and Photoelectron Spectroscopy.// Proc. 15-th Annual Intern.Symposium: Electronic Structure of Metals and Alloys, Ed. by P.Ziesche, 1985, Dresden, P.61-68. With R.Toronko.

B80.The Self-Consistent Theory of Elementary Excitations in System with Many-Branch Quasiparticle

Spectra(Ferromagnetic Semiconductors.// J.Physics C:Solid State Phys., 1985, V.18, P.2871-2885. With D.Marvakov and J.Vlahov.

1986

B81.A Self-Consistent Theory of the Magnetic Polaron.// Physica, 1986, V.138B, P.129-140. With D.Marvakov and J.Vlahov.

B82.Correlation Effects and Electronic Quasiparticle Excitations in Multiband Transition Metals.// Communication JINR, Dubna, 1986, E17-86-34, 26p. With R.Toronko.

1987

B83.New Approach to the Theory of Heisenberg Antiferromagnet at Finite Temperatures.// Preprint ICTP, Trieste, 1987, IC/87/234, 9p. With D.Marvakov.

B84. Disordered Binary Alloy Model for Oxide Superconductor Ba(Pb,Bi)O.// Communication JINR, Dubna, 1987, E17-87-593, 7p.

B85. Гейзенберговский антиферромагнетик и аномальные средние.// 4-й Международный симпозиум по избранным проблемам статистической механики. Тезисы докладов. Дубна. 1987, С.52. Совместно с Д.Марваковым.

B86. MAGNETIC POLARON IN MAGNETIC AND SEMIMAGNETIC SEMICONDUCTORS. Author: KUZEMSKII, A.L. Source: FIZIKA NIZKIKH TEMPERATUR Volume: 13, Issue: 6, Pages: 662-662 (1987).

1988

B87. Irreducible Green's Function Method in the Condensed Matter Theory.// Communication JINR, Dubna, 1988, E17-88-677, 10p.

B88. Спектр возбуждений гейзенберговского антиферромагнетика при конечных температурах.// Сообщение ОИЯИ, Дубна. 1988, P17-88-837, 12С. Совместно с Д.Марваковым.

B89. Disordered Binary Alloy Model of Oxide Superconductor Ba(Pb,Bi)O.// Proc. 18-th Annual Intern.Symposium: Electronic Structure of Metals and Alloys, Ed. by P.Ziesche, 1988, Dresden, P.80-87.

B90. Гейзенберговский антиферромагнетик и аномальные средние.// Труды 4-го Международного симпозиума по избранным проблемам статистической механики. Ред. Н.Н.Боголюбов и др. Дубна. 1988, С.236-240. Совместно с Д.Марваковым.

B91. Antiferromagnetic Correlations in the Copper Oxide and their Role for High- T_c Superconductivity.// Proc.Intern.Meeting: Mechanism of High- T_c Superconductivity . Ed. by N.Plakida et al., 1988, Dubna, P.63-67.

1989

B92. Метод неприводимых функций Грина в теории конденсированных сред.// ДАН СССР, 1989, Т.309, С.323-326. [English Translations: Sov.Phys.Dokl. 1989, V.34, P.974-976.]

B93. Correlation Effects in Transition Metals and Their Compounds.// Proc. Intern.Conf. Physics of Transition Metals, Ed. by V.G. Baryakhtar, 1989, Kiev, Part 2, P.69-72.

B94. Microscopic Electron-Phonon Model for Metallic Oxide Superconducting Ceramics.// Proc. Intern.Conf. Physics of Transition Metals, Ed. by V.G. Baryakhtar, 1989, Kiev, Part 1, P.46-49.

B95. Spin and Electron Correlation Effects in the Copper Oxides and Their Role for High Temperature Superconductivity.// Communication JINR, Dubna, 1988, E17-89-186, 14p.

B96. Correlation Effects and Electronic Quasiparticle Excitations in Multiband Transition Metals.// Acta Physica Polonica, 1989, V.A76, P.663-675. With R.Toronko.

- B97. Spin and Electron Correlations in the Copper Oxides and Their Role for High Temperature Superconductivity.// Proc. 19-th Annual Intern.Symposium: Electronic Structure of Metals and Alloys, Ed. by P.Ziesche, 1989, Dresden, P.136-145.
- B98. Electron-Phonon Interaction and Spectral Functions of Transition Metals.// Preprint ICTP, Trieste, 1989, IC/89/245, 18p. With A.P.Zhernov.
- B99. Irreducible Green's Functions Method in the Theory of Many-Body Systems with the Complex Spectra and Strong Interaction.// 5-й Международный симпозиум по избранным проблемам статистической механики. Тезисы докладов. Д17-89-535, Дубна. 1989, P.41-42.
- B100. Quasiparticle Excitations of an Anisotropic Heisenberg Ferromagnet.// 5-й Международный симпозиум по избранным проблемам статистической механики. Тезисы докладов. Д17-89-535, Дубна. 1989, P.40. With D.Marvakov.

1990

- B101. Спектр возбуждений гейзенберговского антиферромагнетика при конечных температурах.// Theor.Math.Phys., 1990, T.83, C.147-157. Совместно с Д.Марваковым. [English Translations: Theor.Math.Phys. 1990, V.83, P.441. With D.Marvakov].
- B102. Irreducible Green Function Method in the Theory of Many-body Systems with the Complex Spectrum and Strong Interaction.// Proc. V-th Intern.Symposium: Selected Topics in Statistical Mechanics, Ed. by A..Logunov et al, 1990, Singapore, World Scientific, P.157-169.
- B103. Modified Tight-Binding Approximation and Electron-Phonon Spectral Function of Transition Metals.// Intern.J.Modern Phys., 1990, V.B4, P.1395-1407. With A.P.Zhernov.
- B104. On the Interpolation Dynamical Solution of the Anderson Model.// Preprint ICTP, Trieste, 1990, IC/90/51, 11p.
- B105. One-Dimensional Hubbard Model Beyond Nearest Neighbour Approximation.// Preprint ICTP, Trieste, 1990, IC/90/305, 16p. With V.Inozemtsev.
- B106. Influence of the Magnetic Order on Conduction Electrons in Antiferromagnetic Semiconductor.// Bulgarian J.Phys., 1990, V.17, P.191-198. With D.Marvakov and R.Ahed.
- B107. On the Exact Solution of One Dimensional Model of Correlated Lattice Fermions.// Communication JINR, Dubna, 1990, E17-90-360, 16p. With V.Inozemtsev.
- B108. Correlation Effects in the Anderson Model. Weak and Strong Coulomb Interaction.// Communication JINR, Dubna, 1990, E17-90-514, 11p.

1991

- B109. Low Energy Magnons in Antiferromagnetic Semiconductors.// Bulgarian J.Phys., 1991, V.18, P.8-14. With D.Marvakov and R.Ahed.
- B110. Exact solution of the one-dimensional fermion system on a lattice.// Phys. Rev., 1991, V.B43, P.1090-1097. With V.Inozemtsev.
- B111. Interpolation Solution of the Single-Impurity Anderson Model.// Phys.Lett., 1991, V.A153, P.466-472.

1992

- B112. Quasiparticle Interactions and Non-Local Correlations in the Anderson Model.// Communication JINR, Dubna, 1992, E17-92-564, 42p. With J.C.Parlebas and H.Beck.

1993

- B113. Конкуренция взаимодействий в Кондо-системах и аномальный магнетизм тяжелых фермионов.// Краткие Сообщения ОИЯИ, Дубна, 1993, 3[60]-93, С.13-25.
- B114. Correlation Effects in High-Temperature Superconductors and Heavy Fermion Compounds.// Preprint ICTP, Trieste, 1993, IC/93/336, 22p.
- B115. Non-Local Correlations and Quasiparticle Interactions in the Anderson model.// Physica, 1993, V.A198, P.606-636. With J.C. Parlebas and H. Beck.

1994

- B116.** Irreducible Green's Functions Method in the Theory of Highly Correlated Systems.// Preprint ICTP, Trieste, 1994, IC/94/292, 27p.
- B117. On the Theory of Hole Propagation in an Antiferromagnetic Background.// Preprint ICTP, Trieste, 1994, IC/94/297, 15p.
- B118. On the Magnetic Properties of Heavy Fermion Compounds.// ABSTRACTS of the International Conference on Magnetism, 1994, Warsaw, p.900 (EP.331).
- B119. Generalized Mean Fields and Quasiparticle Interactions in the Hubbard Model.// Nuovo Cimento, 1994, V.B109, P.829-854.
- B120.** Correlation Effects in High Temperature Superconductors and Heavy Fermion Compounds.// Superconductivity and Strongly Correlated Electron Systems. Eds. by C.Noce, A.Romano and G.Scarpetta, 1994, Singapore, World Scientific, P.346-376.

1995

- B121. Библия и наука. // Наука, философия, религия: наука в христианском мире: Пятая международная конф., 29-31 августа 1994 г., - Дубна, 1995. - С.65-67.
- B122. Dynamics of Highly Correlated Fermions on a Lattice.// ABSTRACTS of 19th IUPAP International Conference on Statistical Physics, 1995, Xiamen, China, p.10.
- B123. On the Dynamical Solution of the Anderson Model.// Communication JINR, Dubna, 1992, E17-95-295, 7p.
- B124. New Interpolative Approach to the Anderson Model.// Communication JINR, Dubna, 1992, E17-95-297, 8p. With G.Czycholl and S.Wermbter.
- B125. Hole Quasiparticle Dynamics in the Doped 2D Quantum Antiferromagnet.// Modern Phys.Lett., 1995, V.B9, P.1719-1727. With D.Marvakov.

1996

- B126. Quasiparticle Many-Body Dynamics of the Anderson Model.// Communication JINR, Dubna, 1996, E17-96-23, 16p.
- B127. Dynamics of Carrions in the Spin-Fermion Model.// Communication JINR, Dubna, 1996, E17-96-99, 14p. With D.Marvakov.
- B128. New Interpolative Treatment of the Single-Impurity Anderson Model.// Europhysics Letters, 1996, V.34, P.133-138. With G.Czycholl and S.Wermbter.
- B129. Quasiparticle Many-Body Dynamics of the Anderson Model.// Intern.J.Modern Phys., 1996, V.B10, P.1895-1912.
- B130. Spectral Properties and New Interpolative Dynamical Solution of the Anderson Model.// ABSTRACTS of European Conference/ on Physics of Magnetism-96, 1996, Poznan, p.38.
- B131.** Quasiparticle Many-Body Dynamics of the Highly Correlated Electronic Systems.// Communication JINR, Dubna, 1996, E17-96-312, 27p. Invited talk at 20-th International School on Theoretical Physics, 9-14 Sept.1996, Ustron, Poland.
- B132. Two-Component Alloy Model for Bismuthate Ceramics.// Modern Phys.Lett., 1996, V.B10, P.627-633.

1997

- B133. Quasiparticle Many-Body Dynamics of the Highly Correlated Electronic Systems.// Molecular Physics Reports, 1997, V.17, P.221-246.
- B134. Spectral Properties and New Interpolative Dynamical Solution of the Anderson Model.// Acta Physica Polonica, 1997, V.A92, P.355-358.
- B135. Many-Body Dynamics and Interpolation Solution of the Anderson Model.// ABSTRACTS of the International School on Strong Electron Correlation and Phase Transitions, 1997, Dubna, p.36.

1998

- B136. Role of Layered Structure for Superconducting Critical Temperature of the Mercurocuprates.// Communication JINR, Dubna, 1998, E17-98-267, 12p. With I.G.Kuzemskaya and A.A.Cheglokov.
- B137. Itinerant Antiferromagnetism of Heavy Fermion Compounds and Correlated Electron Materials.// ABSTRACTS of SCES-98 Int.Conference, 1998, Paris, p.253.
- B138. Spin and Electron Quasiparticle Excitations in a Model of Manganites.// ABSTRACTS of SCES-98 Int.Conference, 1998, Paris, p.163.
- B139. Symmetry-Breaking Solutions of the Hubbard Model.// Preprint ICTP, Trieste, 1998, IC/98/184, 21p.
- B140. Crystal Layered Structure and Superconducting High- T_c Behaviour of the Mercurocuprates.// Preprint ICTP, Trieste, 1998, IC/98/185, 12p. With I.G.Kuzemskaya and A.A.Cheglokov.

1999

- B141. High Pressure Synthesis and Physical Properties of Layered Mercurocuprates.// ABSTRACTS of the Int.Conference on High-Temperature Superconductivity and Related Topics (HTS99), 1999, Miami, p.58. With I.G.Kuzemskaya and E.S.Itskevich.
- B142. Crystal Layered Structure and High- T_c Superconducting Behavior of the Mercurocuprates.// ABSTRACTS of the Int.Conference on High-Temperature Superconductivity and Related Topics (HTS99), 1999, Miami, p.59. With I.G.Kuzemskaya.
- B143. Itinerant Antiferromagnetism of Correlated Lattice Fermions.// Physica, 1999, V.A267, P.131-152. e-Preprint: ArXiv:cond-mat/0208242.
- B144. Spectral Properties of the Generalized Spin-Fermion Models.// Intern.J.Modern Phys., 1999, V.B13, P.2573-2605.e-Preprint: ArXiv:cond-mat/0208277.
- B145. Superconducting Critical Temperature of Layered Mercurocuprate Family.// ABSTRACTS of European Conference/ on Physics of Magnetism-99, 1999, Poznan, p.52. With I.G.Kuzemskaya and A.A.Cheglokov.
- B146. Quasiparticle Spectra of the of the Generalized Spin-Fermion Model.// ABSTRACTS of European Conference/ on Physics of Magnetism-99, 1999, Poznan, p.170.
- B147. Superconducting Properties of the Family of Mercurocuprates and Role of Layered Structure.// ABSTRACTS of the Int.Conference on Physics and Chemistry of Molecular and Oxide Superconductors(MOS99), 1999, Stockholm, p.29. With I.G.Kuzemskaya and A.A.Cheglokov.
- B148. Role of Inequivalent Layers for Superconducting Critical Temperature of the Mercurocuprates.// ABSTRACTS of the Int.Conference on Physics and Chemistry of Molecular and Oxide Superconductors(MOS99), 1999, Stockholm, p.128. With I.G.Kuzemskaya and A.A.Cheglokov.
- B149. Quasiparticle Excitations in the Generalized Spin-Fermion Model.// ABSTRACTS of the International Workshop on Spin, Charge and Orbital Ordering in Complex Magnetic Oxides, 1999, Dubna, p.32.

2000

- B150. Superconducting Critical Temperature of Layered Mercurocuprate Family.// Acta Physica Polonica, 2000, V.A97, P.241-244. With I.G.Kuzemskaya and A.A.Cheglov.
- B151. Superconducting Properties of the Family of the Mercurocuprates and Role of Layered Structure.// J.Low Temperature Physics, 2000, V.118, P.147-152. With I.G.Kuzemskaya and A.A.Cheglov.
- B152.** Fundamental Principles of the Physics of Magnetism and the Problem of Itinerant and Localized Electronic States.// Communication JINR, Dubna, 2000, E17-2000-32, 22p.
- B153. The State of Itinerant Charge Carriers and Thermoelectric Effects in Correlated Oxide Metals.// Preprint ICTP, Trieste, 2000, IC/2000/159, 18p. With I.G.Kuzemskaya.

2001

- B154. Neutron Scattering and Fundamental Principles of the Physics of Magnetism: Studies of Competition of the Localized and Itinerant Electronic States.// ABSTRACTS of the 8-th Intern.Seminar on Neutron Scattering Investigation in Condensed Matter, May 10-12, 2001, Poznan, p.22.

2002

- B155. Structural Sensitivity of Superconducting Properties of Layered Systems.// Physica C, 2002, V.383, P.140-158. With I.G.Kuzemskaya.
- B156. Quantum Protectorate and Microscopic Models of Magnetism.// Intern.J.Modern Phys., 2002, V.B16, P.803-823. e-Preprint: ArXiv:cond-mat/0208222.
- B157.** Irreducible Green Functions Method and Many-Particle Interacting Systems on a Lattice.// Rivista Nuovo Cimento, 2002, V.25, P.1-91. e-Preprint: ArXiv:cond-mat/0208219.
- B158. Quantum Theory of Magnetism and a Concept of Quantum Protectorate.// ABSTRACTS of European Conference/ on Physics of Magnetism-2002, 2002, Poznan, p.87.
- B159. Structural Sensitivity of Superconducting Properties of Mercury-Based Copper Oxides and Other Layered Systems.// ABSTRACTS of The 23rd International Conference on Low Temperature Physics, Hiroshima, Japan, August 20-27, 2002, p.295. With I.G.Kuzemskaya.

2003

- B160.** The Structural, Superconducting and Transport Properties of the Mercurocuprates and Other Layered Systems.// in: Studies in High- T_c Superconductors, Ed. A.Narlikar, 2003, V.44, P.1-80, New York, Nova Science Publ., With I.G.Kuzemskaya.

2004

- B161. Bound and Scattering State of Itinerant Charge Carriers in Complex Magnetic Materials.// Intern.J.Modern Phys., 2004, V.B18, P.3227-3266. e-Preprint: ArXiv:cond-mat/0408404.

2005

- B162. Role of Correlation and Exchange for Quasiparticle Spectra of Magnetic and Diluted Magnetic Semiconductors.// Physica B, 2005, V.355, P.318-340. e-Preprint: ArXiv:cond-mat/0403266
- B163. Generalized Kinetic and Evolution Equations in the Approach of the Nonequilibrium Statistical Operator.// Intern.J.Modern Phys. 2005, V.B19, P.1029-1059. e-Preprint: ArXiv: cond-mat/0502194.
- B164. Spin Diffusion and Relaxation in Dilute Magnetic Alloys.// ABSTRACTS of European Conference/ on Physics of Magnetism-2005, 2005, Poznan, p.87.

B165. Physics of Complex Magnetic Materials: Quasiparticle Many-Body Dynamics.// Bogoliubov Laboratory of Theoretical Physics REPORT ACTIVITY 2003-2004, JINR, Dubna, 2005, p.157-159. e-Preprint: ArXiv:cond-mat/0512183.

B166. Quasiparticle Excitations in the Spin-Fermion Model of Magnetic and Diluted Magnetic Semiconductors.// ABSTRACTS of the Moscow International Symposium on Magnetism, 2005 June, Moscow, p.523.

2006

B167. Statistical Theory of Spin Relaxation and Diffusion in Solids.

J. Low Temp. Phys. 2006, V.143, P.213-256. e-Preprint: ArXiv:cond-mat/0512182.

2007

B168. Theory of Transport Processes and the Method of the Nonequilibrium Statistical Operator.// Intern. J. Modern Phys., 2007, V.B21, P.2821-2949. e-Preprint: ArXiv:0707.0753.

2008

B169. Работы Д.И. Блохинцева и развитие квантовой физики.// Физика элементарных частиц и атомного ядра. 2008, Т.39, С.5-81. [English Translations: Physics of Particles and Nuclei, 2008, V.39, P.137-172].

B170. The Knight of the Quantum: On the Contribution of D.I. Blokhintsev to Quantum Physics.// Plenary Talk, given at XIII-th Int. Conf. on Selected Problems of Modern Theoretical Physics, Dubna, 22-27 June 2008. e-Preprint: ArXiv:0808.2923. 12p.

B171. Д.И. Блохинцев - ученый, педагог, мыслитель. В кн. Д.И. БЛОХИНЦЕВ (к 100-летию со дня рождения). Под ред. В.В. Балашова, М.И. Панасюка, Е.А. Романовского. 2008, Москва, Изд. КДУ. С.52-63.

B172. Dynamical Magnetic Equations and Spin Relaxation Processes in Complex Magnetic Systems.// BOOKS of ABSTRACTS of Moscow International Symposium on Magnetism, 2008, June, Moscow, p.478.

2009

B173. Работы по статистической физике и квантовой теории твердого тела. Дубна. Изд. ОИ-ЯИ, 2009. 107 С.

B174. Статистическая механика и физика многочастичных модельных систем.// Физика элементарных частиц и атомного ядра. 2009, Т.40, No 7, С.5-102. [English Translations: Statistical Mechanics and the Physics of Many-Particle Model Systems.//Physics of Particles and Nuclei, 2009, V.40, P.949-997].

B175. Комментарии к статьям Д.И. Блохинцева № 3-14 по физике твердого тела и оптике. В кн. Д.И. Блохинцев. Собрание трудов. В 2-х т. Том.1, 2009, Москва, Физматлит. 30С.

B176. Строение вещества, квантовая механика и новый язык физики: уроки Д.И. Блохинцева. В кн. Д.И. Блохинцев. Собрание трудов. В 2-х т. Том.1, 2009, Москва, Физматлит. С.503-513.

B177. Комментарии к статьям Д.И. Блохинцева № 61-66,68-70 по основам квантовой механики. В кн. Д.И. Блохинцев. Собрание трудов. В 2-х т. Том.2, 2009, Москва, Физматлит. 30С.

B178. On the Contribution of D.I. Blokhintsev to Quantum Physics.// Proc. XIII-th Int. Conf. on Selected Problems of Modern Theoretical Physics, Dubna, 22-27 June 2008. Dubna. JINR Press. 2009. p.24-35.

B179. Symmetry Breaking, Quantum Protectorate and Quasiaverages in Condensed Matter Physics// The International Bogolyubov Conference: Problems of Theoretical and Mathematical Physics, August 21-27, 2009, Moscow-Dubna, Russia. Book of Abstracts, p.225-226.

2010

- B180. Symmetry Breaking, Quantum Protectorate and Quasiaverages in Condensed Matter Physics// Физика элементарных частиц и атомного ядра. 2010, Т.41, No 7, p.1924-1931. [Physics of Particles and Nuclei, 2010, V.41, No 7, p.1031-1034].
- B181. Quasiaverages, Symmetry Breaking and Irreducible Green Functions Method// Condensed Matter Physics (<http://www.icmp.lviv.ua/journal>), V.13, N 4, 2010, p.43001: 1-20.
- B182. Bogoliubov's Quasiaverages, Broken Symmetry and Quantum Statistical Physics// arXiv:1003.1363 [cond-mat.stat-mech] 6 Mar, 2010.
- B183.** Bogoliubov's Vision: Quasiaverages and Broken Symmetry to Quantum Protectorate and Emergence// Intern. J. Modern Phys., 2010, V.B24, No. 8, p.835-935.
- B184. Bogoliubov's Vision and Modern Theoretical Physics// arXiv:1005.0987 [physics.hist-phys] 6 May, 2010.
- B185. Bogoliubov's Foresight and Modern Theoretical Physics. JINR News, N 3, p.13-15, Dubna, 2010.

2011

- B186.** Statistical Mechanics and the Physics of Many-Particle Model Systems. arXiv:1101.3423v1 [cond-mat.str-el] 18 Jan 2011.
- B187. Bogoliubov's Foresight and Development of the Modern Theoretical Physics. Electronic Journal of Theoretical Physics (<http://www.ejtp.com/>), 2011, V.8, No. 25, p.1-14.
- B188. Quantum Theory of Magnetism and the Problem of Magnetic Ordering in Carbon-Based Systems. BOOKS of ABSTRACTS of Moscow International Symposium on Magnetism, 2011, August 23-25, Moscow, p.466.
- B189.** Electronic Transport in Metallic Systems and Generalized Kinetic Equations// Intern. J. Modern Phys., 2011, V.B25, N 23-24, pp.3071-3183.
- B190. Electronic Transport in Metallic Systems and Generalized Kinetic Equations. arXiv:1109.5532v1 [cond-mat.stat-mech] 26 Sep 2011.
- B191.** Bogoliubov's Vision: Quasiaverages and Broken Symmetry to Quantum Protectorate and Emergence. arXiv:1110.1189v1 [cond-mat.stat-mech] 6 Oct 2011.

2012

- B192. Fundamental Principles of Theoretical Physics and Concepts of Quantum Protectorate and Emergence. arXiv:1203.3139v1 [physics.gen-ph] 14 Mar 2012. 5 p.
- B193. Generalized Van Hove Formula for Scattering of Neutrons by the Nonequilibrium Statistical Medium. Intern. J. Modern Phys., 2012, V.B26, No. 13, p.1250092 (34 pages).
- B194. To the Problem of the Intrinsic Magnetism in Carbon-Based Systems. BOOKS of ABSTRACTS of the International Conference DUBNA-NANO12, 2012, July 09-14, JINR, Dubna, p.72.
- B195. Fundamental Principles of Theoretical Physics and Concepts of Quantum Protectorate and Emergence. BOOKS of ABSTRACTS of the XLVIII All-Russia Conference on Problems in Particle Physics, Plasma Physics, Condensed Matter, and Optoelectronics, 2012, May 15-18, RUDN, Moscow, p.11-14.
The Conference was dedicated to the 100th anniversary of Professor Yakov Petrovich Terletsky (1912 - 1993).
- B196. Fundamental Principles of Theoretical Physics and Concepts of Quasiaverages, Quantum Protectorate and Emergence. Invited talk at the XLVIII All-Russia Conference on Problems in Particle Physics, Plasma Physics, Condensed Matter, and Optoelectronics, 2012, May 15-18, RUDN, Moscow, pp.19. arXiv:1207.6433v1 [cond-mat.stat-mech] 25 Jul 2012. 19 pp.
- B197. To the Problem of the Intrinsic Magnetism in Carbon-Based Systems: pro et contra. arXiv:1210.3687v1 [cond-mat.str-el] 13 Oct 2012. 7 pp.

2013

B198. Fundamental Principles of Theoretical Physics and Concepts of Quasiaverages, Quantum Protectorate and Emergence. ВЕСТНИК РОССИЙСКОГО УНИВЕРСИТЕТА ДРУЖБЫ НАРОДОВ. СЕРИЯ: МАТЕМАТИКА, ИНФОРМАТИКА, ФИЗИКА, (2013), № 1, стр. 229-244; (<http://elibrary.ru/contents.asp?issueid=1103109>)

Bulletin of PFUR. Series Mathematics. Information Sciences. Physics. No 1, 2013. pp. 229-244.

VESTNIK RUDN (Bulletin of the Peoples' Friendship University of Russia, Moscow) № 1 (2013) p. 229-244.

B199. Unconventional and Exotic Magnetism in Carbon-Based Structures and Related Materials.

Intern. J. Modern Phys., (2013) V.B 27, N 11, p.1330007 (40 pages); DOI: 10.1142/S0217979213300077.

B200. Unconventional and Exotic Magnetism in Carbon-Based Structures and Related Materials. arXiv:1303.6233v1 [cond-mat.str-el] 22 Mar 2013. 40 pp.

2014

B201. Thermodynamic Limit in Statistical Physics. Intern. J. Modern Phys., (2014) Vol.B 28, Issue No. 9, p.1430004 (28 pages). DOI: 10.1142/S0217979214300047.

B202. Thermodynamic Limit in Statistical Physics. arXiv:1402.7172 [cond-mat.stat-mech], 28 Feb 2014 (2014), 28pp. <http://arxiv.org/abs/1402.7172>.

2015

B203. Electronic Dynamics of the Anderson Model. The Many-Body Approach.

arXiv:1503.00983 [cond-mat.str-el, cond-mat.stat-mech] (2015), 31pp; <http://arxiv.org/abs/1503.00983>.

B204. Variational Principle of Bogoliubov and Generalized Mean Fields in Many-Particle Interacting Systems. arXiv:1507.00563 [cond-mat.stat-mech] (2015), 60pp; <http://arxiv.org/abs/1507.00563>.

B205. Variational Principle of Bogoliubov and Generalized Mean Fields in Many-Particle Interacting Systems. Intern. J. Modern Phys., (2015) Vol.B 29, p.1530010 (63 pages). DOI: 10.1142/S0217979215300108.

2016

B206. Probability, Information and Statistical Physics.

Intern. J. Theor. Phys., (2016) Vol.55, Issue 3, p.1378-1404. DOI: 10.1007/s10773-015-2779-8.

2017

B207. Statistical Mechanics and the Physics of Many-Particle Model Systems.

(World Scientific, Singapore, 2017), 1260 pp.

URL: <http://www.worldscientific.com/worldscibooks/10.1142/10169>

B208. Broken symmetry, quantum protectorate and emergent behavior in magnetic and superconducting systems. BOOKS of ABSTRACTS of Moscow International Symposium on Magnetism, (2017), July 1-5, Moscow, p.558.

2018

B209. Метод неравновесного статистического оператора и обобщенные кинетические уравнения. Теоретическая и математическая физика. [Theoretical and Mathematical Physics], vol.194, № 1 pp.39-70 (January) (2018).

B210. Nonequilibrium Statistical Operator Method and Generalized Kinetic Equations, Theoretical and Mathematical Physics, vol.194, No1 (2018), 30-56

B211. Temporal Evolution, Directionality of Time and Irreversibility, La Rivista del Nuovo Cimento vol.41, No 10 (2018), pp.513-573.

B212. Neutrons scattering on the nonequilibrium statistical medium and generalized Van Hove's formula. in: II International Workshop on Simulations of HIC for NICA energies.

16-19 April 2018, JINR, Dubna. Talk:Kuzemsky-NEUTRON18.pdf;

<http://indico.jinr.ru/getFile.py/>

B213. In the Pursuit of Precision.in: Workshop "Calculations for Modern and Future Colliders (CALC2018).

Talk:BardinDY-18.pdf; <https://indico.jinr.ru/getFile.py/>

ИЗБРАННЫЕ РАБОТЫ, ЦИТИРУЮЩИЕ СТАТЬИ ИЗ СПИСКА В: SELECTED CITATIONS

МОНОГРАФИИ. MONOGRAPHS. BOOKS.

M1-M3. Д. Н. Зубарев. Неравновесная статистическая термодинамика. М.: Наука, 1971. Ref.[B3,B5,B7]

M4. С.В. Тябликов. Методы квантовой теории магнетизма. М.: Наука, 1975.

Ref.[B16]

M5. R.D. McCarty. Hydrogen Properties. Hydrogen:Its Technology and Implications. CRC Press, 1975. Ref.[B12]

M6. Hydrogen: its technology and implications. Volume IV. Utilization of Hydrogen. Cox, K.E.; Williamson, K.D. Jr. (eds.) CRC Press, Inc., Boca Raton, FL, 1979. Ref.[B12]

M7-M10. Физика магнитных материалов. Ред. В.А. Игнатченко и Г.А. Петраковский, Новосибирск: Наука, 1983. Ref.[B20,B27,B32,B36]

M11. В.М. Свистунов и М.А. Белоголовский. Туннельная спектроскопия квазичастичных возбуждений в металлах. Киев: Наукова думка, 1986. Ref.[B72]

M12. А.В. Ведяев, О.А. Котельникова, М.Ю. Николаев, А.В. Стефанович. Фазовые переходы и электронная структура сплавов. М.: Изд.МГУ, 1986. Ref.[B41]

M13. V. Nolting and W. Nolting. Influence of Electron-Magnon Interaction on Electronic and Magnetic Properties of Ferromagnetic 4f Systems.// in: Proc. 24th ANNUAL SEMINAR on THEORETICAL PHYSICS, PRETORIA, 10 - 14 JULY 1989, p.233-248. Atomic Energy Corporation of South Africa. Ref.[B80].

M14. M. Sataric, Z. Ivic, R. Zakula. The Temperature Dependence of Exciton-Phonon Coupling in the Context of Davydov's Model; The Dynamic Damping of Soliton. in: Davydov's Soliton Revisited (NATO ASI Series Volume 243, 1990, pp 295-308) (Plenum Press, New York, 1990), Ref.[B7].

M15-M17. K.I. Wysokinski, Theory of Disordered Superconductors, in: Ordering Phenomena In Condensed Matter Physics - 26th Karpacz Winter School Of Theoretical Physics. Galasiewicz Z. M. and Pekalski A. (eds) (World Scientific, Singapore, 1990), pp.187-217; Refs.[B47,B56,B72]

M18. Handbook on Semiconductors. Ed. T.S. Moss, Vol.3 Elsevier Science, 1994. Ch. 17. T.Dietl. Diluted Magnetic Semiconductors. P.1251. Ref.[B81]

M19. Charles P. Poole Jr., Horacio A. Farach, Richard J. Creswick. Superconductivity, New York. Academic Press, 1995. Ref.[B119]

M20. Mario Rasetti, Quantum Groups in Condensed Matter Physics, in: *Quantum Groups and Their Applications in Physics*. Ed. by Leonardo Castellani and Julius Wess, Varenna on Lake Como, Villa Monastero, 28 June-8 July 1994; Proceedings of the International School of Physics "Enrico Fermi"; course 127, ISSN 0074-784X; Societa italiana di fisica. Published by IOS Press, 1996, p.359. Ref.[B67]

M21. Mario Rasetti, The Hubbard Models and Superconductivity, in: *Quantum-Mechanical Ab-initio Calculation of the Properties of Crystalline Materials*. Ed. C. Pisani, Lecture Notes in Chemistry Volume 67, 1996; Ref.[B67]

- (Springer, Berlin, 1996), p.289. (<http://link.springer.com/book/10.1007/978-3-642-61478-1/page/1>)
- M22. Physics of Cryocrystals. Dynamics of Solid Hydrogen. Eds. V.G. Manzhelii and Y.A. Freiman. N.Y., AIP Publishing, 1997. Ref.[B5]
- M23. F.Gebhard. *The Mott Metal-Insulator Transition*. Springer Tracts in Mod.Phys. 137, (Springer, Berlin, 1997). Ref.[B109]
- M24. T.Dietl. Transport Properties of Diluted Magnetic Semiconductors. in: Mukesh Kumar Jain (ed.). Diluted Magnetic Semiconductors. (Singapore, World Scientific, 1991), p.141. Ref.[B81]
- M25-M26. L.M. Volkova, S.A. Polyshchuk, F.E.Herbeck. Correlation of T_c with Crystal Chemical Parameters in High- T_c Cuprates, Diborides and Borocarbides: Concept of Arrangement and Function of Layered Superconductors.// in: **Focus on Superconductivity Research**, Ed. D.P. Martins, New York, Nova Science Publ., 2003. Ref.[B150,B154].
- M27-M28. Emil Roduner. Nanoscopic Materials. Size-Dependent Phenomena. Cambridge, RCS Publishing, 2006. Ref.[B151,B155]
- M29. Handbook of High-Temperature Superconductivity. Theory and Experiment. Eds. J.R.Schrieffer and J.S.Brooks, Springer, 2007. Chapter 8. T.H. Geballe and G.Koster. What T_c can teach about superconductivity. Ref.[B150]
- M30. Charles P. Poole Jr., Horacio A. Farach, Richard J. Creswick, Ruslan Prozorov. Superconductivity (Second Edition), New York. Academic Press, 2007. Ref.[B119]
- M31. Masuo Suzuki. On Dissipative Quantum Dynamics in Small Non-Equilibrium Systems. in: "Quantum Bio-Informatics: From Quantum Information to Bio-Informatics" (Proc.Conf. Tokyo University of Science, Japan, 14 - 17 March 2007) Eds. L. Accardi, W. Freudenberg and M. Ohya, World Scientific, Singapore, 2008, pp. 273-287. Ref.[B162]
- M32-M33. Condensed Matter Theories, Volume 23 - Proceedings of the 31st International Workshop Condensed matter theories. Ed. Virulh Sa-Yakanit, World Scientific, Singapore, 2009. Ref.[B162,B167]
- M34-M35. Condensed Matter Theories, Proceedings of the 33rd International Workshop Condensed matter theories. Eds. Eduardo V. Ludena, Raymond F. Bishop, Peter Iza, World Scientific, Singapore, 2011. Ref.[B162,B167]
- M36. Christian Joas, *Campos que interagem: Fisica Quantica e a transferencia de conceitos entre fisica de particulas, nuclear e do estado solido*. in: **Teoria Quantica: estudos historicos e implicacoes culturais**, Olival Freire Jr., Osvaldo Pessoa Jr., Joan Lisa Bromberg (Organizadores) EDUEPB, Campina Grande-PB / Sao Paulo-SP, 2011,p.107. <http://pt.scribd.com/doc/78980958/2/de-um-novo-fenomeno-fisico>; Parte I - Historia da teoria quantica - desenvolvimentos e fundamentos Campos que interagem: fisica quantica e a transferencia de conceitos entre fisica de particulas, nuclear e do estado solido, Christian Joas SciELO Books / SciELO Livros / SciELO Libros FREIRE JR, O., PESSOA JR, O., and BROMBERG, JL., orgs. Teoria Quantica: estudos historicos e implicacoes culturais [online]. Campina Grande: EDUEPB; Sao Paulo: Livraria da Fisica, 2011. 456 p. ISBN 978-85-7879-060-8. Available from SciELO Books <<http://books.scielo.org>>. Ref.[B168]
- M37. Хамзин А.А., Нигматуллин Р.Р. Метод неравновесного статистического оператора и его приложение к кинетике изинговских магнетиков: Учебное пособие. - Казань: Казанский университет, 2011. - 87 с. (Khamzin A.A. and Nigmatullin R.R. Nonequilibrium Statistical Operator Method and its Application to the Kinetics of Izing's Magnets. Kazan State University, 2011.) Ref.[B167]
- M38. Anja Skaar Jacobsen (Niels Bohr Archive, Denmark). Leon Rosenfeld: Physics, Philosophy, and Politics in the Twentieth Century. (World Scientific, Singapore, 2012) Ref.[B168].
- M39. Mikhail I. Katsnelson. Graphene: Carbon in Two Dimensions. Cambridge, Cambridge University Press, 2012. Ref.[B162]

- M40. Jeffrey Zheng, Christian Zheng and Toshiyasu Kunii, Interactive Maps on Variant Phase Spaces - From Measurements - Micro Ensembles to Ensemble Matrices on Statistical Mechanics of Particle Models.
in: Emerging Applications of Cellular Automata (<http://www.intechopen.com/books/emerging-applications-of-cellular-automata>). Edited by Alejandro Salcido, ISBN 978-953-51-1101-6, (Publisher: InTech, 2013) (<http://dx.doi.org/10.5772/51635>) p.113-196. Ref.[B168].
- M41. Masuo Suzuki. Entropy Production and Nonequilibrium Steady States. in: "Quantum Bio-Informatics V. Quantum Probability and White Noise Analysis"
Eds. L. Accardi, W. Freudenberg and M. Ohya, World Scientific, Singapore, 2013, pp. 315. Ref.[B162]
- M42. Bernd Kroger, Hermann Haken und die Anfangsjahre der Synergetik (Logos Verlag Berlin GmbH, 2013) Ref. [<http://theor.jinr.ru/kuzemsky/rkubio.html>].
- M43. Bernd Kroger, Hermann Haken: From the Laser to Synergetics: A Scientific Biography of the Early Years. (Springer, Berlin, 2014); Ref. [<http://theor.jinr.ru/kuzemsky/rkubio.html>].
- M44-45. V.E. Shilov and E.V. Shilova, Influence of electron correlations on magnetic properties in transition metals in view of degeneration. in: Modern Problems in Condensed Matter Physics. Vol. 2. Editors: Prof. B.Z. Malkin, Prof. Yu.N. Proshin, (Kazan: Kazan University Publishing House, 2014), p.178; Refs.[B41,B156].
- M46-M48. N. N. Bogolubov, Jr. Quantum Statistical Mechanics: Selected Works of N. N. Bogolubov. 328pp.
ISBN: 978-981-4612-51-7 (hardcover)
ISBN: 978-981-4612-53-1 (ebook)
(World Scientific, Singapore, 2015). Refs.[B180,B181,B183].
- M49. Olival Freire Junior, The Quantum Dissidents. Rebuilding the Foundations of Quantum Mechanics (1950-1990). (Springer, Berlin, 2015). Ref.[B169].(ISBN: 978-3-662-44661-4 (Print) 978-3-662-44662-1 (Online))
- M50. Terrell L. Hill - National Academy of Sciences USA, A Biographical Memoir by Ralph V. Chamberlin with a personal recollection by William A. Eaton.
National Academy of Sciences Publ. (2015). Ref.[<http://theor.jinr.ru/kuzemsky/hillbio.html>].
- M51. Чечулин В. Л. История математики и её методологии (структуры и ограничения): монография / В. Л. Чечулин; Перм. гос. нац. исслед. ун-т. - Пермь, 2015. - 154 с. [V. L. Chechulin. History of Mathematics and its Methodology. Perm University, PERM, (2015).] Ref.[B36].
- M52. Uwe Hartmann, Nanostruktur Forshung und Nanotechnologie (Materialien und Systeme) (Walter de Gruyter GmbH and Co KG, 2015). Ref.[B162].
- M53. Frank Hagelberg, Magnetism in Carbon Nanostructures. (Cambridge University Press, Cambridge, 2017). Ref.[B199].
- M54-56. V. N. Gorev and A. I. Sokolovsky, Reduced description of the nonequilibrium systems with account for non-hydrodynamic degrees of freedom. Research monograph, Published by Dnepropetrovsk University, Ukraine. (2018). Refs.[B168,B189,B201].
- M57. T. Grant Glover, Bin Mu, Gas Adsorption in Metal-Organic Frameworks: Fundamentals and Applications. (CRC Press, 2018). Ref.[B201].

ДИССЕРТАЦИИ. DISSERTATIONS.

- D1-D2. V. A. Kapustin (Капустин В.А.). Electronic spectrum and optical absorption in aniferromagnetic semiconductors with strong Coulomb electronic correlations.
(Электронный спектр и оптическое поглощение в антиферромагнитных полупроводниках с сильными кулоновскими корреляциями электронов), Физико-технический институт им. А.Ф.Иоффе, Ленинград, 1976; A.Yoffe Physical Technical Institute, Leningrad, 1976.(Ph.D. degree)
Refs.[B20,B27]

- D3-D4. S. G. Ovchinnikov (Овчинников, Сергей Геннадьевич). Electronic phase transitions in transition metals and their compounds. (Электронные фазовые переходы в переходных металлах и их соединениях), КГУ, Красноярск, 1977; KSU, Krasnojarsk, 1977.(Ph.D. degree) Refs.[B20,B27]
- D5-D8. E. V. Kuzmin (Кузьмин Е.В.). Electronic and magnetic properties of transition metals and their compounds. (Электронные и магнитные свойства переходных металлов и их соединений), КГУ, Красноярск, 1979; KSU, Krasnojarsk, 1979.(Doctor of Science degree) Refs.[B20,B27,B32,B36]
- D9-D12. S. G. Ovchinnikov (Овчинников, Сергей Геннадьевич). Theory of the metal-insulator transition in magneto-ordered substances. (Теория перехода металл-диэлектрик в магнитоупорядоченных веществах), КГУ, Красноярск, 1983; KSU, Krasnojarsk, 1983.(Doctor of Science degree) Refs.[B20,B27,B32,B36]
- D13. M. N. Ivanosko (Иваночко, Михаил Николаевич). Studying of the optical properties of semiconductor crystals with narrow energy bands. (Исследование оптических характеристик полупроводниковых кристаллов с узкими энергетическими зонами), ЧГУ, Черновцы, 1984; ChSU, Chernovtzi, 1984.(Ph.D. degree) Ref.[B36]
- D14. J. M. Neimatov (Нейматов, Ягут Мамед Оглы). Theory of the elementary excitations in a generalized model of ferromagnetic metal. (Теория элементарных возбуждений в обобщенной модели ферромагнитного металла), МГУ, Москва, 1984; MSU, Moscow, 1984. Ref.[B36]
- D15. A. G. Pedan (Педан, Александр Гершанович). Сверхпроводимость и зарядово-упорядоченное состояние систем с локализованными центрами спаривания.(Superconductivity and charge-ordered state of the systems with the localized pairing centers), Харьков, 1984; Kharkov Physical-Technical Institute, NASU, Kharkov, Ukraine, 1984. Ref.[B72]
- D16-D17. V. Z. Lozovsky (Лозовский, Валерий Зиновьевич). Effects of the crystal structure in the theory of superconductivity. (Effekty kristallicheskoj struktury v teorii sverkhprovodimosti), Donetsk Physical-Technical Institute, NASU, Donetsk, Ukraine, 1984. Refs.[B47,B67]
- D18. В.В. Timofeev (Тимофеев, Борис Борисович) Development of the theory of the electronic states in antiferromagnetic semiconductors (Развитие теории электронных состояний в антиферромагнитных полупроводниках) Institute of Physics, Kiev, Ukraine, 1985 (Киев, 1985). Ref.[B75]
- D19. Ari Alastalo. Anderson Model for Normal and Superconducting Metals. Espoo, Helsinki University of Technology Publishing, 1997. Ref.[B127]
- D20-D22. Steffen Schäfer. Approximation des Phases Aléatoires Self-Consistante dans le Modèle de Hubbard. Grenoble, Université Joseph Fourier Publishing, 1998. Refs.[B110,B114,B118]
- D23-D25. Antonio Maia de Jesus Chaves Neto.
 MODELO DE ANDERSON PARA DUAS IMPUREZAS: METODO DOS CAMPOS EFETIVOS.
 Universidade Estadual de Campinas, Instituto de Fisica "*GLEB WATAGHIN*";
 Departamento de Fisica da Materia Condensada. CAMPINAS, Novembro de 2004. Refs.[B114,B118,B128].
- D26. Carsten Raas. Dynamic Density-Matrix Renormalization for the Symmetric Single Impurity Anderson Model. Koln, Koln University Publishing, 2005. Ref.[B127]
- D27. Carlos Augusto Machamba dos Santos. Temperaturabhängige Elektronische Struktur und Magnetismus von Metallischen Systemen mit Lokalisierten Momenten: Anwendung auf Gadolinium. Berlin, Mathematisch-Naturwissenschaftlichen Fakultät I, Humboldt-Universität zu Berlin, 2005. Ref.[B81]
- D28. L. A. Dorosh (Дорош Л. А.). The Electron and Magnetic States of the Spin-Electron Model of the Amorphous Alloys. Institute of Physics of the Condensed Systems, NASU, Lviv, Ukraine, 2006. Ref.[B143]
- D29. Maria de Fatima Guerreiro Carrasco.
 Supercondutores crescidos por fusao de zona com laser assistida com corrente electrica.
 Dissertacao (tese) apresentada a Universidade de Aveiro para cumprimento dos requisitos necessarios a obtencao do grau de Doutor em Fisica, realizada sob a

- orientacao cientifica da Professora Doutora Fiorinda Mendes da Costa, Professora Auxiliar do Departamento de Fisica da Universidade de Aveiro e do Professor Doutor Vitor Bras de Sequeira Amaral, Professor Associado do Departamento de Fisica da Universidade de Aveiro.
Departamento de Fisica, Universidade de Aveiro, 2006. Ref.[B154]
- D30. Orlandino Miguel da Silva Lopes.
Fibras de $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$ crescidas por fusao de zona com laser assistida com corrente electrica. Dissertacao apresentada a Universidade de Aveiro para cumprimento dos requisitos necessarios a obtencao do grau de Mestre em Fisica Aplicada, realizada sob a orientacao cientifica da Dra. Florinda Mendes da Costa, Professora Associada do Departamento de Fisica da Universidade de Aveiro.
Departamento de Fisica, Universidade de Aveiro, 2007. Ref.[B154]
- D31. Nguen Ngok Tuan (Нгуен Нгок Туан). Competition of singlet ordered states in the cuprate superconductors. Voronezh State University, Voronezh, 2008. (Конкуренция синглетных упорядоченных состояний в купратных сверхпроводниках: диссертация ... кандидата физико-математических наук : 01.04.07), Воронеж. гос. ун-т, Воронеж, 2008. - 110 с. Refs.[B150]
- D32-D33. M. M. Yalalov (Ялалов, Марсель Миндиярович). Mixing energy and magnetism of the Iron-transition metals alloys: first-principles computer modelling. Tcheliabinsk State University, Tcheliabinsk, 2008. (Энергия смещения и магнетизм сплавов железа с переходными металлами: первопринципное компьютерное моделирование), ЧГУ, Челябинск, 2008; Refs.[B31,B36]
- D34. Miao Wang. Atomic Resolution d^2I/dV^2 -imaging of Lattice Impact on Superconductivity on High- T_c Superconductors. PhD Thesis. Faculty of Graduate School, Cornell University, 2008. Ref.[B150]
- D35. Lorena Rebón.
Modelos Algebraicos en Sistemas Cuánticos de Muchos Cuerpos: aplicaciones al Estudio de Sistemas de Espines en Interacción. Universidad Nacional de La Plata (Argentina), Facultad de Ciencias Exactas, Departamento de Fisica. Trabajo de Tesis Doctoral, Diciembre de 2009. Ref.[B109]
- D36. CECILIA STARI ROMANO.
ESTUDO SISTEMATICO DAS PROPRIEDADES ESTRUTURAS E MAGNETICAS DE AMOSTRAS POLICRISTALINAS DO SISTEMA $\text{Pr}_x\text{Y}_{1-x}\text{Ba}_2\text{Cu}_3\text{O}_{7-d}$.
UNIVERSIDADE FEDERAL DE SAO CARLOS, CENTRO DE CIENCIAS EXATAS E DE TECNOLOGIA, DEPARTAMENTO DE FISICA (Brazil),
Facultad de Ciencias Exactas, Departamento de Fisica. Trabajo de Tesis Doctoral, 10 Agosto de 2009. Ref.[B154]
- D37. de OLIVEIRA, J. A. Generation of analytic solutions in quantum systems with position-dependent masses and distribution functions with limit classical. Tese (Doutorado em Fisica) - Faculdade de Engenharia do Campus de Guaratingueta, Brazil. 2009;
de OLIVEIRA, J. A. Geracao de solucoes analiticas em sistemas quanticos com massa dependente da posicao e funcoes de distribuicao com limite classico. Tese (Doutorado em Fisica) - Faculdade de Engenharia do Campus de Guaratingueta, Universidade Estadual Paulista, Guaratingueta, BRAZILIA, 2009. Ref.[B168]
- D38. Svetlana Pelemis. Optical Properties of the Nanocrystallic Dielectric Thin Films (OPTICKE OSOBINE NANOKRISTALNIH DIELEKTRICNIH FILM-STRUKTURA.)
Faculty of Science, University of Novy Sad, SERBIA, 2010. UNIVERZITET U NOVOM SADU, PRIRODNO-MATEMATICKI FAKULTET, DEPARTMAN ZA FIZIKU, 2010. Ref.[B150]
- D39. B. Sopik. Superconductivity in disordered systems. Ph.D. thesis. Faculty of Mathematics and Physics, Charles University, Prague, Czech Republic, 2010. Ref.[B72]
- D40. Diego A. Tielas.
RELACIONES DE INCERTEZA Y ORIENTACION DEL ESPIN EN SISTEMAS ATOMICOS

- REALISTAS. Universidad Nacional de La Plata (Argentina), Facultad de Ciencias Exactas, Departamento de Fisica. Trabajo de Tesis Doctoral, Marzo de 2011. Ref.[B109]
- D41. Jakub Jeřdrak. Real-space pairing in an extended t-J model.
Rozprawa doktorska.
Promotor: Prof. dr hab. Jozef Spalek.
Uniwersytet Jagiellonski, Instytut Fizyki im. Mariana Smoluchowskiego.
Zakład Teorii Materii Skondensowanej i Nanofizyki
Krakow, kwiecień 2011. Ref.[B181]
- D42. Jean-Nicolas DUMEZ. Many-body dynamics in nuclear spin diffusion.
THESE en vue d'obtenir le grade de Docteur de l'Ecole Normale Supérieure de Lyon - Université de Lyon. Discipline : Chimie
Centre de RMN a tres hauts champs, Ecole Doctorale de Chimie de Lyon
N° d'ordre : 625
N° attribue par la bibliotheque : 2011ENSL0625
presentee et soutenue publiquement le 4 juillet 2011 par Monsieur Jean-Nicolas DUMEZ. Ref.[B166]
- D43. Marin Bukov. Periodically Driven Luttinger Liquids.
Thesis, Physics Department, LM University Munich. Advisor: Prof. Dr. Stefan Kehrein. July 10, 2011. Ref.[B109]
- D44. Tesfaye Chebelew. Possible Mechanism of Superconductivity in Fe-Based Superconductors.
PhD Thesis (<http://etd.aau.edu.et/dspace/bitstream/123456789/4223/1/TesfayeChebelewThesis.pdf>).
Addis Ababa University, Ethiopia 2011. Ref.[B156]
- D45. Michael Glunk. Elektrische und magnetische Eigenschaften des verdünnten magnetischen Halbleiters (*Ga, Mn*)As. Dissertation zur Erlangung des Doktorgrades Dr. rer. nat. der Fakultät für Naturwissenschaften der Universität Ulm
PhD Thesis (<http://d-nb.info/1025714938/34>)
Universität Ulm. Fakultät für Naturwissenschaften Erscheinungsjahr (2012), Ulm, Universität Ulm, Diss., 2012 Persistent Identifier urn:nbn:de:bsz:289-vts-81386 URL: Archivserver der Deutschen Nationalbibliothek <http://vts.uni-ulm.de/docs/2012/8138/vts...> Ref.[B161]
- D46. Slobodan Radosevic. Thermodynamical Properties of the Complex Antiferromagnetic System within Heisenberg Model. (Termodinamicka svojstva slozenih antiferomagnetnih sistema opisanih Hajzenbergovim modelom.) Promotor: Dr. Milica Pavkov-Hrvojevic.
Faculty of Science, University of Novy Sad, SERBIA, 2012. UNIVERZITET U NOVOM SADU, PRIRODNO-MATEMATICKI FAKULTET, DEPARTMAN ZA FIZIKU, 2012. Ref.[B156]
- D47. Belogolovskii M.A. Electron quantum-coherent and incoherent transport in complex heterostructures.
Thesis for the scientific degree of a Doctor of Science in physics and mathematics, speciality 01.04.07 - solid state physics. Donetsk Institute for Physics and Engineering named after O.O. Galkin, National Academy of Sciences of Ukraine, Donetsk, 2012.
Donetsk Physical-Technical Institute, NASU, Donetsk, Ukraine, 2012. Ref.[B72]
- D48. Stegailov V.V. Classical and quantum atomistic model of the response of the condensed matter on the intensive energetic influences.
Стегайлов, Владимир Владимирович, "Классические и квантовые атомистические модели отклика конденсированных сред на интенсивные энергетические воздействия"
Dissertation for the scientific degree of a Doctor of Science (доктор физико-математических наук) in physics and mathematics, speciality 01.04.07 - Condensed Matter Physics (Физика конденсированного состояния). Moscow Institute for Physics and Engineering (MFTI) Moscow Physical-Technical Institute, Dolgoprudny, 2012. Refs.[B162,B167]
- D49. Valentina Capogrosso. Dimensionality and ordering effects on the electronic structure of low dimensional strongly correlated electron transition metal oxides. PhD Thesis. Supervisore Prof. Fulvio Parmigiani, Co-Supervisore Dr. Marco Malvestuto. Università degli Studi di Trieste; XXV

Ciclo del Dottorato di Ricerca in Fisica. Anno Accademico 2011/2012. Ref.[B154]

D50. Thanh Tung Pham. Multiscale modelling and simulation of slip boundary conditions at fluid-solid interfaces. PhD Thesis. Universite Paris-Est (25/09/2013), Guy Lauriat (Dir.); Ecole doctorale : Sciences, Ingenierie et Environnement THESE pour obtenir le grade de Docteur de l'Universite PARIS-EST. Specialite : Mecanique des fluides; <http://hal.archives-ouvertes.fr/tel-00980155/> ; Ref.[B168].

D51. Nicholas Stephen Holtgrewe. A Study on the Structure and Photodetachment Dynamics of Copper Based Molecular Anions Using Photoelectron Spectroscopy. Doctor of Philosophy dissertation presented to the Graduate School of Arts and Sciences of Washington University. August 2013. WASHINGTON UNIVERSITY in ST. LOUIS, Department of Chemistry, St. Louis, Missouri. Ref.[B155].

D52. Erkan Ilik, An Investigation on Some Statistical Mechanical Properties of a Generalized Bose Gas Model. MASTER OF SCIENCE THESIS. Department of Physics, Eskisehir Osmangazi Universitesi, 2013. Ref.[B174].

D53. E.H.M. Lathouwers. Diffusion in hard-sphere interstitial solid solutions. Bachelor thesis. Soft Condensed Matter and Biophysics - Exp. Physics of Condensed Matters. Utrecht University, Faculty of Science, Department of Physics and Astronomy, Soft Condensed Matter group. <http://dspace.library.uu.nl/handle/1874/299360>; Faculty of Science Theses (2014); Ref.[B201].

D54. Diep Dao. Effects of Anion Excited States on Photodetachment of Negative Ions. Doctor of Philosophy dissertation presented to the Graduate School of Arts and Sciences of Washington University. August 2014. WASHINGTON UNIVERSITY in ST. LOUIS, Department of Chemistry, St. Louis, Missouri. Ref.[B155].

D55. Anton Komlev. Magnetic properties of defective graphene. Master's thesis LAPPEENRANTA UNIVERSITY OF TECHNOLOGY (Finland), School of Technology, Technical Physics. Examiners: Professor Erkki Lahderanta. (2015). Ref.[B199]

D56. Eduardo Mendonca Belotti Vargas. PROJETO DE UMA MAQUINA ELETRICA DE DOBRAMENTO DE TUBOS A FRIO POR TRACAO. PONTIFICIA UNIVERSIDADE CATOLICA DO RIO DE JANEIRO, Departamento de Engenharia Mecanica, Projeto de Graduacao; Rio de Janeiro, 1 de julho de 2015. Ref. [BIOGRAPHY OF THOMAS YOUNG (1773 - 1829): <http://theor.jinr.ru/kuzemsky/tybio.html>].

D57. Meshal Alawein. Circuit Simulation of All-Spin Logic. Thesis submitted in partial fulfilment of the requirements For the Degree of Master of Science. King Abdullah University of Science and Technology. Thuwal, Kingdom of Saudi Arabia, May 2016. Ref.[B199]

D58-60. V. N. Gorev, Reduced description of the nonequilibrium systems with account for relaxation processes. Doctor of Philosophy dissertation, presented to the Department of Physics of Dnepropetrovsk University, Ukraine. June 2016. Refs.[B168,B189,B201].

D61. Oleguer Sagarra Pascual, Non-binary maximum entropy network ensembles and their application to the study of urban mobility. Ph.D. Thesis, Facultat de Fisica, Universitat de Barcelona, April, (2016). Ref.[B201].

D62. Wallace de Sousa Elias, Termodinamica em sistemas gravitacionais (Thermodynamics in gravitational systems). Ph.D. Thesis, (Doctoral Thesis) Instituto de Fisica, Universidade de Sao Paulo, Sao Paulo, BRASIL (2017). Ref.[B201].

D63. A. A. BAPPACH, Spin and Electromagnetic excitations in Graphene. Ph.D. Thesis, (Doctoral Thesis), Department of Theoretical Physics, The Peoples' Friendship University of Russia, Moscow (2017). Ref.[B199].

D64. Milan Kornjaca, Polaron Mobility Obtained by a Variational Approach for a Class of Lattice Models. Master Thesis, Faculty of Physics, Advisor: Dr Nenad Vukmirovic, University of Belgrade,

Serbia, May, (2017). Ref.[B189].

D65. Philipp Jaeger, Bulk-boundary correspondence in non-equilibrium dynamics of one-dimensional topological insulators. Diplomarbeit, Fachbereich Physik, Technische Universitat Kaiserslautern, Germany; May 24, 2017; carried out at University of Manitoba, Department of Physics and Astronomy. Ref.[B205].

ОБЗОРЫ. REVIEW.

R1-R2. Ю.Г. Рудой. Современное состояние метода двухвременных функций Грина в квантовой теории магнетизма.// Статистическая физика и квантовая теория поля. М.: Наука, 1973. Ref.[B3,B15].

R3. Т.Мория. Последние достижения теории магнетизма коллективизированных электронов.// УФН, 1981, Т.135, С.117. Ref.[B41].

R4. А.З. Солонцов. К теории электронной жидкости переходных металлов и актинидов.// М.: Изд.НИИ Неорганических материалов им. А.А.Бочвара, 1984. Ref.[B41]

R5. V.Christoph and G. Ropke. Theory of Inverse Linear Response Coefficients.// phys.stat.sol., 1985, V.b131, P.11. Ref.[B50].

R6. Р.О. Зайцев, Е.В. Кузьмин, С.Г. Овчинников. Основные представления о переходах металл-диэлектрик в соединениях 3d-металлов.// УФН, 1986, Т.148, С.603. Ref.[B36].

R7-R8. A. Mauger, C. Godart. The Magnetic, Optical, and Transport Properties of Representatives of a Class of Magnetic Semiconductors. The Europium Chalcogenides.// Phys.Reports. 1986, V.141, P.51. Ref.[B70,B80].

R9. В.М. Свистунов, М.А. Белоголовский, О.Д. Черняк. Туннельные исследования металлов в области высоких давлений.// УФН, 1987, Т.151, С.31. Ref.[B72].

R10. M. Matlak. Selected Properties of Ferromagnetic Semiconductors.// Acta Magnetica. 1988, V.5, P.61. Ref.[B80].

R11. Roberto Luzzi, Aurea R. Vasconcellos. On the Nonequilibrium Statistical Operator Method.// Fortschritte der Physik/Progress of Physics, Volume 38, Issue 11, pages 887-922, 1990. Ref.[B7].

R12. Tomasz Dietl. Transport phenomena in semimagnetic semiconductors. in: *Semimagnetic Semiconductors and Diluted Magnetic Semiconductors*, Ettore Majorana International Science Series, Volume 55, 1991, pp 83-119, Edited by M. Averous and M. Balkanski, Plenum Press, New York, 1991. (<http://link.springer.com/chapter/10.1007/978-1-4615-3776-24>) (SPRINGER, 1991). Ref.[B81].

R13. M.Acquarone. Hubbard Correlation and Electron-Phonon Interaction Effects in the Normal and Superconducting States.// Proc. of the 24 Italian National School on Condensed Matter Physics: Superconductivity. Eds. by S.Pace and M.Acquarone, 1991, Singapore, World Scientific, P.148. Ref.[B67].

R14. A.Montorsi and M.Rasetti. Novel Symmetries in Condensed Matter Physics: Quantum Symmetry of the Hubbard Model with Phonons.// Superconductivity and Strongly Correlated Electron Systems. Eds. by C.Noce et al., 1994, Singapore, World Scientific, P.199. Ref.[B67].

R15. D. Belitz, T.R. Kirkpatrick. The Anderson-Mott Transition.// Rev. Mod. Phys. 1994, V.66, P.261. Ref.[B72].

R16. K.Wysokinski. Electron-Phonon Interactions in Correlated Systems.// Recent Developments in High Temperature Superconductivity. Lecture Notes in Physics, Vol.475. Springer, 1997. P.243. Ref.[B72].

R17-R19. R. Luzzi, A. R. Vasconcellos and J. G. Ramos. A Nonequilibrium Statistical Ensemble Formalism.// Intern. J. Modern Phys. 2000, V.B14, P.3189. Ref.[B3,B6,B8].

R20-R21. L.M. Volkova, S.A. Polyshchuk, F. E. Herbeck. Why Tc of MgB2 is the highest in a number of diborides?// arXiv:cond-mat/0310511 Ref.[B150,B154].

- R22. M. V. Mesquita, A. R. Vasconcellos, R. Luzzi, S. Mascarenhas. System Biology: An Information-Theoretic-Based Thermo-Statistical Approach.// Brazilian J. Phys., 2004, V.34, P.459. Ref.[B7].
- R23. P. Frobrich, and P.J. Kuntz. Many-body Green's Function Theory of Heisenberg Films.// Physics Reports, (2006), V.432, P.223. Ref.[B156].
- R24. В.И. Белявский, Ю.В. Копаев. Сверхпроводимость отталкивающихся частиц. УФН, 2006, Т.176, С.457. Ref.[B150].
- R25. Ю.В. Копаев, В.И. Белявский, В.В. Капаев. С купратным багажом к комнатнотемпературной сверхпроводимости. УФН, 2008, Т.178, С.202. Ref.[B150].
- R26-R27. M.Howard Lee. Boltzmann's Ergodic Hypothesis: A Meeting Place for Two Cultures. in: Condensed Matter Theories: Proceedings of the 33rd International Workshop. Editors Eduardo V. Ludena, Raymond F. Bishop, Peter Iza (World Scientific, Singapore, 2011), p.367. Refs.[B162,B167].
- R28-R29. Г. Э. Норман, В. В. Стегайлов. СТОХАСТИЧЕСКАЯ ТЕОРИЯ МЕТОДА КЛАС-СИЧЕСКОЙ МОЛЕКУЛЯРНОЙ ДИНАМИКИ. МАТЕМАТИЧЕСКОЕ МОДЕЛИРОВАНИЕ (2012) том 24, номер 6, стр. 3-44. Refs.[B162,B167].
- R30-31. G. E. Norman and V. V. Stegailov, Stochastic theory of the classical molecular dynamics method. *Mathematical Models and Computer Simulations*, vol.5, 305 (2013). Refs.[B162,B167].
- R32. P.K. Manna, and S.M. Yusuf. Two interface effects: Exchange bias and magnetic proximity. Physics Reports. (2014), Volume 535, Issue 2, 10 February 2014, Pages 61-99. Ref.[B197].
- R33. J. Tucek, K.C. Kemp, K.S. Kim, and R. Zboril, Iron Oxide Supported Nanocarbon in Lithium-Ion Batteries, Medical, Catalytic, and Environmental Applications. ACS Nano. 2014 Aug 26; 8(8): 7571-7612, (2014). doi: 10.1021/nn501836x. Refs.[B199].
- R34. T. Dietl, K. Sato, T. Fukushima, A. Bonanni, M. Jamet, A. Barski, S. Kuroda, M. Tanaka, Pham Nam Hai, H. Katayama-Yoshida. Spinodal nanodecomposition in magnetically doped semiconductors. arXiv:1412.8062v2 [cond-mat.mtrl-sci], 72 pages; Ref.[B199].
- R35. Panagiotis Dallas, Vasilios Georgakilas, Interfacial polymerization of conductive polymers: Generation of polymeric nanostructures in a 2-D space. Advances in Colloid and Interface Science, vol.224, pp.46-61 (2015). doi:10.1016/j.cis.2015.07.008; Ref.[B199].
- R36. T. Dietl, K. Sato, T. Fukushima, A. Bonanni, M. Jamet, A. Barski, S. Kuroda, M. Tanaka, Pham Nam Hai, H. Katayama-Yoshida. Spinodal nanodecomposition in semiconductors doped with transition metals. Reviews of Modern Physics 87, 1311-1377, (2015). Ref.[B199].
- R37. E. Konishi. Core-Halo Quasi-Stationary States in the Hamiltonian Mean-Field Model. Int. J. Mod. Phys. B, v. 30, p.1630007 (58 pages) (2016). Ref.[B201].
- R38. A. N. Kovalenko, High-temperature superconductivity: From macro- to nano-scale structures. NANOSYSTEMS: PHYSICS, CHEMISTRY, MATHEMATICS, (2016), 7 (6), P. 941-970. Ref.[B151].
- R39. J. Vejpravova, B. Pacakova and M. Kalbac, Magnetic impurities in single-walled carbon nanotubes and graphene: a review. Analyst, v. 141, pp.2639-2656 (2016); DOI: 10.1039/C6AN00248J. Ref.[B199].
- R40. Yuan Ping Feng, Lei Shen, Ming Yang, Aizhu Wang, Minggang Zeng, Qingyun Wu, Sandhya Chintalapati, Ching-Ray Chang. Prospects of spintronics based on 2D materials. Wiley Interdisciplinary Reviews: Computational Molecular Science 294, e1313 (78 pages) (2017); doi: 10.1002/wcms.1313; Ref.[B199].

СТАТЬИ. ARTICLES.

- A1. R. Djordjevic, S.D. Stojanovic, and R.B. Zakula. Heisenberg Ferromagnet in the Quasi-Pauli Picture.// J.Low Temperature Physics, 1972, V.6, P.287. Ref.[B1]
- A2. Т. Пашкевич.Поглощение звука диэлектрическим кристаллом в области существования

- второго звука.// ТМФ, 1972, Т.12, С.106. Ref.[B3].
- A3. K. Walasek Damping of librions in solid orthohydrogen.// Physics Letters A, 1972, Vol. 42, Issue 1, P. 95. Ref.[B7].
- A4. T. Paszkiewicz, B. Kozarzewski. Derivation of a Schrodinger type Equation with Damping for a System of Interacting Particles.// Acta Physica Polonica, 1973, V.A43, P.223. Ref.[B7].
- A5. В.А. Добровольский, А.Р. Кессель. Точное решение квадрупольной модели типа Изинга.// ТМФ, 1973, Т.16, С.135. Ref.[B5].
- A6. M. P. Kashchenko, N. F. Balakhonov, and L. V. Kurbatov. Spin waves in an Heisenberg ferromagnetic substance with single-ion anisotropy.// Zhurnal Eksp. Teor. Fiz., 1973, V.64, P.391-400. Ref.[B16].
- A7. Hidehiko Ishimoto, Kanetada Nagamine, Yoshitaka Kimura and Hiroo Kumagai. Measurements of Nuclear Spin-Lattice Relaxation Time of Solid Hydrogen in the Ordered State.// J. Phys. Soc. Jpn. 1974, V.37, P.956. Ref.[B5].
- A8. E. F. Sheka, V. S. Makarova, E. D. Simonovskaya. Spectroscopy of Molecular Crystals.// Journal Molecular Crystals and Liquid Crystals, 1976, V.33, P.261. Ref.[B5].
- A9. I. Sutnar. Transport Equation for a Gas of Bosons.// Zeitschrift fur Physik B, 1976, V.25, P.401-410. Ref.[B15].
- A10-A11. Е.В. Кузьмин, С.Г. Овчинников. Электронные корреляции в хаббардовском антиферромагнитном полупроводнике. Случай слабой связи.// ТМФ, 1977, Т.31, С.379. Ref.[B20,B27].
- A12-A13. Е.В. Кузьмин, С.Г. Овчинников. Коллективные возбуждения в хаббардовском антиферромагнитном полупроводнике. Предел слабой связи.// ФТТ, 1977, Т.19, С.1127. Ref.[B20,B27].
- A14. J. Monecke. One-particle spectrum of correlated electrons near the free-electron limit.// phys.stat.sol., 1977, V.b84, P.665. Ref.[B20].
- A15. L. Adamowicz. Improved Itinerant-Localized Model for Magnetism of Transition Metals.// J.Physics F: Metal Phys., 1977, V.7, P.2401. Ref.[B31]
- A16. L. Weiss, P. Urwank. Indirect Evidence of Low-energy Stoner Excitations in Fe_3Al by observation of Spin Waves.// Neutron Inelastic Scattering 1977,1978, Vienna, IAEA Press, V.II, P.197. Ref.[B30].
- A17. Л.А. Покровский. Метод неравновесного статистического оператора в теории одномодового лазера состоящего из двухуровневых атомов.// ТМФ, 1978, Т.37, С.102. Ref.[B3].
- A18. R. Piasecki. Anisotropic Ferromagnet with Two Spins per Site.// phys.stat.sol., 1981, V.b103, P.547. Ref.[B16].
- A19. E.G. Goryachev, E.V. Kuzmin, S.G. Ovchinnikov. Metal-Insulator Transition in the Hubbard Model by the Irreducible Green Function Method.// J.Physics C: Solid State Phys., 1982, V.15, P.1481. Ref.[B36]
- A20. E. Kolley, W. Kolley, H. Fehske. CPA Study of the Electrical Conductivity for Various Percolation Models.// phys.stat.sol., 1982, V.b109, P.551. Ref.[B38].
- A21. E. Kolley, W. Kolley. On Random Itinerant Ferromagnets in the Percolation Limit.// phys.stat.sol., 1982, V.b110, P.К63. Ref.[B38].
- A22. A. Beckmann, E. Kolley, W. Kolley. On Superconductivity in Narrow-Band Alloys.// phys.stat.sol., 1982, V.b110, P.557. Ref.[B43].
- A23. А.В. Ведяев, В.А. Иванов. Элементарные возбуждения в модели Хаббарда. II. Электронные возбуждения.// Theor.Math.Phys., 1982, Т.50, С.415. Ref.[B36].
- A24. A. Beckmann, E. Kolley, W. Kolley. T_c Formula for Strong-Coupling Superconductivity in Random Narrow-Band Alloys.// phys.stat.sol., 1983, V.b120, P.577. Ref.[B47].
- A25. Я. М. Нейматов. Спектр элементарных возбуждений в соединениях образованных редкоземельным металлом и переходным металлом.// Theor. Math. Phys., 1983, Т.54, С.289. Ref.[B16].
- A26-A27. E. Kolley, W. Kolley. Paramagnon Effect in Disordered Superconducting Alloys.//

- Communication JINR, Dubna, 1983, E17-83-705, 10p. Ref.[B56,B72].
- A28. L. Pust and Z. Frait. FMR and FMAR measurement of saturation magnetization of the Fe-3 wt.Si single crystals between 3.5 and 300 K.// Solid State Communications, 1983, V.45, Issue 2, P.103-105. Ref.[B41].
- A29. M.A. Belogolovskii. On the possibility of observing paramagnons in transition metals.// Physics Letters A. 1983. Vol. 98, Issues 8-9, P. 455. Ref.[B67].
- A30. V. Christoph, H. Wegener. Conductivity of Strongly Disordered Metallic Alloys.// phys.stat.sol., 1984, V.b121, P.K103. Ref.[B65].
- A31. V. Christoph and W. Schiller. Self-consistent Theory of Resistivity Saturation.// J.Physics F: Metal Phys., 1984, V.14, P.1173. Ref.[B50]
- A32. J. M. Wesselinowa. Electron - Phonon Interaction in Ferromagnetic Semiconductors.// phys.stat.sol., 1984, V.b123, P.585. Ref.[B67].
- A33. L. Pust. Low-temperature FMR and FMAR Measurements of Metal Single Crystals.II. Saturation, Magnetization, Magnetocrystalline Anisotropy, and g-factor Determination.// phys.stat.sol., 1984, V.b123, P.115. Ref.[B41].
- A34. J. Zielinski. On the Phonon Mediated Electron-Electron Interactions.// Physica A: Statistical and Theoretical Physics. 1984. Vol. 128, Issues 1-2, P. 296. Ref.[B67].
- A35. E. Kolley, W. Kolley. Spin and Density Fluctuations in Disordered Narrow-Band Superconductors.// Z.Phys., 1984, V.B56, P.119. Ref.[B72].
- A36. P. Enders. Electron-Phonon Interaction as Effective Electron-Electron Interaction.// phys.stat.sol., 1985, V.b128, P.611. Ref.[B67].
- A37. W. Borgiel, W. Nolting, G. Borstel. Self-Consistent CPA Treatment of the Conduction Electron Spin Polarization of Degenerate Ferromagnetic Semiconductors.// phys.stat.sol., 1986, V.b136, P.131. Ref.[B80].
- A38. P. Enders. On Adiabatic and Non-Adiabatic Improvements of the Mean-Field Approximation for Fermion- or (Pseudo-)Spin-Boson Interaction.// Annalen der Physik, 1986, V.498, P.443. Ref.[B67].
- A39. P.O. Зайцев, В.А. Иванов. Сверхпроводимость в модели Хаббарда.// Solid State Physics, 1987, T.29, C.3111. Ref.[B36].
- A40. Qing Zhang and Phillip Phillips. Hopping-to-band transitions in disordered electronic systems.// J. Chem. Phys., 1987, V.87, P.2370. Ref.[B65].
- A41. D. Belitz. Theory for Dirty Superconductors. I. Strong-Coupling Equations.// Phys.Rev., 1987, V.B35, P.1636. Ref.[B72].
- A42-A43. K. I. Wysokinski. On the T_c degradation in dirty transition metal superconductors.// Solid State Communications. 1987. Vol. 63, Issue 3, P. 205. Ref.[B67,B72].
- A44. V. Nolting, W. Nolting. Influence of Electron-Magnon Interaction on Electronic and Magnetic Properties of Ferromagnetic 4f Systems.// phys.stat.sol., 1988, V.b149, P.313. Ref.[B80].
- A45. Jerzy Luczka. On Markovian kinetic equations: Zubarev's nonequilibrium statistical operator approach.// Physica A: Statistical and Theoretical Physics. 1988. Vol. 149, Issues 1-2, P. 245. Ref.[B3].
- A46-A47. N.N. Bogolubov, V.L. Aksenov, N.M. Plakida. On the theory of superconductivity in a model of oxide metals.// Physica C: Superconductivity. 1988. Vol.153-155, Part 1, P. 99. Ref.[B47,B67].
- A48-A49. Н.Н. Боголюбов, В.Л.Аксенов и Н.М. Плакида. К теории сверхпроводимости в модели оксидных металлов.// Препринт ОИЯИ, Дубна. 1988, Д17-88-76, 8С. Ref.[B47,B67].
- A50. N.M. Plakida, I.V. Stasyuk. On the Theory of Superconductivity in Hubbard Model.// Modern Phys.Lett., 1988, V.B2, P.967. Ref.[B36].
- A51-A52. K.G. Chakraborty. Irreducible Green Function Theory of an Anisotropic Heisenberg Ferromagnet.// Phys.Rev., 1988, V.B38, P.2792. Ref.[B36,B80].

- A53. R. Taranko, E. Taranko. Correlation effects in the extended Hubbard model.// Physica B: Condensed Matter, Volume 153, Issues 1-3, October 1988, Pages 232-247. Ref.[B36]
- A54. S. Misawa. Simple-Decoupling Theory of High- T_c Superconductivity.// J.Phys.Soc.Jpn. 1989, V.58, P.3298. Ref.[B36].
- A55-A56. K.G. Chakraborty. Irreducible Green Function Theory for a Biquadratic Coupling System.// J.Physics: Condensed Matter, 1989, V.1, P.2691. Refs.[B36,B80]
- A57-A58. J.M. Wesselinowa. On the Electron - Phonon Interaction in the Hubbard Model.// J.Physics: Condensed Matter, 1989, V.1, P.5703. Ref.[B36,B67].
- A59. J.M. Wesselinowa. On the Theory of Superconductivity in the Extended Hubbard Model.// phys.stat.sol., 1989, V.b156, P.K129. Ref.[B67].
- A60. J. Kierul and L. Wojtczak, Electron-Phonon Interaction in Thin Films.// Acta Physica Hungarica, 1989, V.65, Issue 1, P.25. Ref.[B56].
- A61. J. Kierul. Electron-Phonon Interaction in Transition Metals.// Acta Physica Hungarica, 1989, V.65, Issue 1, P.33. Ref.[B56].
- A62. Z. Ivic, M. Sataric, S. Stamenkovic and R.Zakula. Influence of Phonon Fluctuations on Soliton Dynamics in the Easy-Axis Heisenberg Model.// Physica Scripta, 1991, V.43, P.528. Ref.[B7].
- A63. Чан Мин Тиен. Электрон-фононный механизм сверхпроводимости в модели Хаббарда.// ТМФ, 1992, Т.91, С.463. Ref.[B36].
- A64. A.P. Zhernov, T.N. Kulagina. Point-contact spectra of 3d-metals.// Fizika Nizkih Temperatur (Low Temperature Physics - Kharkov) [Физика низких температур.] (1992), Т.18, No 5, p.475. Ref.[B67].
- A65. H. Kiwata, Y. Akutsu. Long-Range SU(M) Spin Chain: Exact Ground State with Arbitrary Symmetry.// J.Phys.Soc.Jpn. 1992, V.61, P.2161. Ref.[B110]
- A66. H. Kiwata, Y. Akutsu. Exactly Solvable SU(M) Spin Chain with Long-Range Interaction.// J.Phys.Soc.Jpn. 1992, V.61, P.1441. Ref.[B110]
- A67. Z. A. Gurskii, Ya. G. Chushak. Influence of Short-Range Order on the Electron-Phonon Interaction in Disordered Binary Alloys.// phys.stat.sol., 1992, V.b169, P.57. Ref.[B56].
- A68-A69. Н. Н. Боголюбов, В. Л. Аксенов и Н. М. Плакида. К теории высокотемпературной сверхпроводимости.// Theor.Math.Phys., 1992, Т.93, С.371. Ref.[B47,B67].
- A70. G. Litak, K.I. Wysokinski, R. Micnas and S. Robaszkiewicz. T_c calculation of disordered superconductor with local electron pairing.// Physica C, 1992, V.199, P.191. Ref.[B72].
- A71. B.V. Egorov. Thermofield Dynamics in the Theory of Magnetic Polaron Mobility in ferromagnetic semiconductors.// J.Physics: Condensed Matter, 1992, V.4, P.4115. Ref.[B80].
- A72-A73. M.Acquarone and M. Paiusco. Magnetic Aspects of Superconducting Pairing.// Acta Physica Polonica, 1993, V.84A, P.101. Refs.[B67,B72].
- A74. A. R. Vasconcellos and R. Luzzi. Vanishing Thermal Damping of Davydov's Solitons.// Phys.Rev., 1993, V.E48, P.2246. Ref.[B7].
- A75-A77. T. Ivanov, D. Marvakov, V. Valtchinov and L.T. Wille. ac Conductance of single-electron resonant-tunneling systems.// Phys.Rev., 1993, V.B48, P.4679. Refs.[B75,B81,B92].
- A78-A79. J. Petru. Self-consistent Treatment of the Anderson Model.// Z.Physik, 1993, V.B91, P.351. Ref.[B75,B80].
- A80. L. WOJTCZAK, A SIMPLE-MODEL FOR THE SURFACE PHENOMENA.// ACTA PHYSICA POLONICA A Volume: 83 Issue: 5 Pages: 685-699 (1993). Ref.[B56].
- A81-A82. T. Ivanov, V. Valtchinov and L.T. Wille. Effect of the Coulomb Repulsion on the ac Transport Through a Quantum Dot.// 1994, arXiv:cond-mat/9405014, Refs.[B75,B91].
- A83-A84. V. Valtchinov, T. Ivanov and L.T. Wille. Dynamical Conductivity of Single Electron Resonant Tunneling Systems out of Equilibrium.// Solid.State.Comm., 1994, V.89, P.637. Ref.[B75,B92].
- A85-A86. YU CHAO-FAN, CHEN BIN, HE GUO-ZHU. INFLUENCE OF INTERACTION BETWEEN ELECTRONS AND PHONONS ON THE MAGNETIC EXCITATION OF ITINERANT ELECTRONS SYSTEM.// Acta Physica Sinica, 1994, V.43, N 5, P.839-845; doi: 10.7498/aps.43.839. Refs.[B36,B67].

- A87. R. Luzzi, A. R. Vasconcellos. Complexity, Dissipation, Order Out of Chaos and Chaos Out of Order.// Brazilian J. Phys., 1994, V.24, P.875. Ref.[B7].
- A88. A.Montorsi and M.Rasetti. Quantum Symmetries Induced by Phonons in the Hubbard Model.// Phys.Rev.Lett., 1994, V.72, P.1730. Ref.[B67].
- A89-A91. S.N. Mitra and K.G. Chakraborty. Irreducible Green Function Theory for ferromagnet with first- and second-neighbour exchange.// J.Physics: Condensed Matter, 1995, V.7, P.379. Refs.[B36,B80,B92].
- A92. Bin Chen, Chaofan Yu, Hui Fang, Zhengkuan Jiao, Qirui Zhang. Magnetic Excitation in Peierls-Hubbard Model.// phys.stat.sol., 1995, V.b192, P.145. Ref.[B36].
- A93. V.A. Moskalenko, Wang Xi-Fu, Wang Zhi-Xing, Yi Xue-Xi. Электрон-фононная система с сильной электронной корреляцией.// ТМФ, 1995, Т.103, С.138. Ref.[B102].
- A94. P. A. Bares and F. Gebhard. Asymptotic Bethe-Ansatz Results for a Hubbard Chain with $1/\sinh$ -hopping.// Europhys.Lett., 1995, V.29, P.573; *ibid.*, 1995, arXiv:cond-mat/9406084, Ref.[B110].
- A95-A97. V.A. Moskalenko, D. Digor, L. Dogotaru, I. Porcescu. New Diagram Technique for Periodic Anderson Model.// Communication JINR, Dubna, 1995, E17-96-465, 11p. Refs.[B113,B114,B115]
- A98. F. Mancini, S. Marra, H. Matsumoto. Doping dependence of on-site quantities in the two-dimensional Hubbard model.// Physica C, 1995, V.244, P.49. Ref.[B36].
- A99. M. V. Mesquita, A. R. Vasconcellos and R. Luzzi. Near-Dissipationless Coherent Excitations in Biosystems.// Int. J. Quant. Chem., 1996, V.60, P.689. Ref.[B7].
- A100. K.I. Wysokinski. Eliashberg-type Equations for Correlated Superconductors.// Phys.Rev., 1996, V.B54, P.3553. Ref.[B72].
- A101-A103. V.A. Moskalenko, D. Digor, L. Dogotaru, I. Porcescu. New approach to Periodic Anderson Model.// Journal of Low Temperature Physics, 1996, V.105, p.633. Ref.[B113,B114,B115]
- A104-A106. В.А. Москаленко. Теория возмущений для периодической модели Андерсона.// ТМФ, 1997, Т.110, С.308. Ref.[B113,B114,B115].
- A107-A109. V.A. Moskalenko, D. Digor, L. Dogotaru, I. Porcescu. New Diagram Technique for Periodic Anderson Model.// J.Phys.Studies, 1997, V.1, P.453. Ref.[B113,B114,B115].
- A110. M. Takahashi. Conduction Electron Band in Antiferromagnetic Semiconductors.// Phys.Rev., 1997, V.B55, P.6950. Ref.[B109].
- A111-A113. S.N. Mitra and K.G. Chakraborty. Cooperative phenomena in non-Heisenberg spin model with two- and three-atom interactions.// Physica A: Statistical Mechanics and its Applications, 1998, V. 250, Issues 1-4, P.470-494. Refs.[B36,B80,B92].
- A114. M.V. Mesquita, A. R. Vasconcellos and R. Luzzi. Solitons in Highly Excited Matter: Dissipative-thermodynamic and supersonic effects.// Phys.Rev., 1998, V.E58, P.7913. Ref.[B7].
- A115. Hong-Gang Luo, Ju-Jian Ying, Shun-Jin Wang. Equation of motion Approach to the Solution of the Anderson Model.// Phys.Rev., 1999, V.B59, P.9710. Ref.[B111].
- A116. N. Mathur. Magnetic Phases to Order.// Nature(London), 1999, V.400, P.405. Ref.[B149].
- A117. Slobodan Zekovic and Zoran Ivic, Damping and modification of the multiquanta Davydov-like solitons in molecular chains. // Bioelectrochemistry and Bioenergetics, Volume 48, Issue 2, May 1999, Pages 297-300. Ref.[B7].
- A118. Steffen Schafer and Peter Schuck. Dyson equation approach to many-body Green's functions and self-consistent RPA: Application to the Hubbard model.// Phys.Rev., 1999, V.B59, P.1712. Ref.[B115].
- A119. A.M. Martin, G. Litak, B.L. Gyorffy, J.F. Annett, and K.I. Wysokinski. Coherent potential approximation for d -wave superconductivity in disordered systems.// Phys.Rev., 1999, V.B60, P.7523. Ref.[B72].
- A120. M. Acquarone and C. Noce. Model Calculation of Electron-phonon Couplings in a Dimer with a Non-degenerate Orbital.// Intern. J. Modern Phys. 1999, V.13B, Issue: 28, pp. 3331-3355;

Ref.[B67].

A121. M.I. Vladimir and S.P. Cojocaru. The Strong Coupling Limit of the Degenerate Hubbard Model.// Anal.Stinti. ale Uni. Al.I.Cuza IASI, 1999–2000, V.XLV–XLVI, P.328. Ref.[B36].

A122. Aurea R. Vasconcellos, Marcus V. Mesquita, and Roberto Luzzi. Complex behavior in biosystems: an information-theoretic approach.// Chaos, Solitons and Fractals. 2000, V.11, Issue 8, P.1313. Ref.[B7].

A123. R. Moradian, J.F. Annett, and B.L. Gyorffy. Disordered s -, d -, and p -wave superconductors: Exact results in infinite dimensions.// Phys.Rev., 2000, V.B62, P.3508. Ref.[B72].

A124-A125. M. Cococcioni, M. Acquarone. A Non-Perturbative Treatment of the Generalized Su-Schrieffer-Heeger Hamiltonian on a Dimer.// Intern. J. Modern Phys. 2000, V.B14, P.2956. Ref.[B67,B103].

A126. С.П. Репецкий, Т.Д. Шатний. Термодинамический потенциал системы электронов и фононов в разупорядоченном сплаве.// Theor.Math.Phys., 2002, T.131, C.456. Ref.[B65].

A127. Repetsky, S.P. and Shatnij, T.D. Title: Cluster decomposing for Green functions and thermodynamic potential of a system of electrons and phonons of a disordered crystal.// Source: METALLOFIZIKA I NOVEISHIE TEKHNOLOGII, Volume: 24, Issue: 5, Pages: 661-690 (2002). Ref.[B65].

A128. G. Litak. Van Hove Singularity and Superconductivity in a Disordered Hubbard Model.// phys.stat.sol., 2002, V.b229, P.1427. Ref.[B72].

A129. S. Cojocaru and M. Vladimir. Green's Function for the Strong Coupling Limit of the Degenerate Hubbard Model.// Moldavian J.of the Physical Sciences, 2003, V.2, P.353. Ref.[B36].

A130. S.P. Repetsky, T.D. Shatnij. The Thermodynamic Potential for Electrons and Phonons in a Disordered Crystal.// Ukrainian J. Phys., 2003, V.48, p.853. Ref.[B65].

A131. Repetsky, S.P.; Shatnij, T.D.; Godlevska, O.A. Title: Influence of electron-phonon interaction on electronic structure and atomic ordering.// Source: METALLOFIZIKA I NOVEISHIE TEKHNOLOGII. Volume: 25, Issue: 4, Pages: 417-430 (2003) Ref.[B65].

A132. Sudip Chakravarty, Hae-Young Kee, and Elihu Abrahams. Condensation Energy and the Mechanism of Superconductivity.// Phys.Rev., 2003, V.B67, P.100504. Ref.[B151].

A133. Sudip Chakravarty, Hae-Young Kee, and Klaus Volker. An Explanation for a Universality of Transition Temperatures in families of Copper-oxide Superconductors.// Nature, 2004, V.428, P.53. Ref.[B151].

A134. A.T. Alastalo, M.P.V. Stenberg and M.M. Salomaa. Response Functions of an Artificial Atom in the Atomic Limit.// J.Low Temperature Phys., 2004, V.134, P.897. Ref.[B128].

A135. M. Michalik, K.I. Wysokinski. CPA Theory of Superconducting Alloys with Diagonal and Off-Diagonal Disorder.// Acta Physica Polonica, 2004, V.106A, P.653. Ref.[B72].

A136. J. Mraz and R. Hlubina. Superconductivity within the $t - t'$ Hubbard model of a bilayer.// Phys.Rev., 2004, V.B70, P.144529. Ref.[B151].

A137. M. V. Mesquita, A. R. Vasconcellos, R. Luzzi. Considerations on undistorted-progressive X-waves and Davydov solitons, Frohlich-Bose-Einstein condensation, and Cherenkov-like effect in biosystems.// Brazilian J. Phys., 2004, V.34, P.489. Ref.[B7].

A138. T. A. Zaleski and T. K. Kopec. Superconducting critical temperature of homologous series of high- T_c cuprates as a function of number of layers.// Acta Physica Polonica, 2004, V.A106, P.561. Ref.[B151].

A139. Repetskiy, S.P. and Vyshyvana I.G. Title: Optical conductivity of the disordered alloys and semiconductors Source: METALLOFIZIKA I NOVEISHIE TEKHNOLOGII, Volume: 26, Issue: 7, Pages: 887-909 (2004). Ref.[B65].

A140. I.G. Vyshivana, S.P. Repetsky, I.V. Shakhov. Electronic Structure and Photoconductivity of a $Fe_{0.5}Co_{0.5}$ Alloy.// Ukrainian J. Phys., 2005, V.50, No.3, p.273. Ref.[B65].

A141. L. Jansen, R. Block. High- T_c superconductivity as an Indirect-Exchange Phenomenon - a

- Faceted Analysis.// Physica A, 2005, V.353, P.235. Ref.[B151].
- A142. С.П. Репецкий, И.Г. Вышиваная. Оптическая проводимость упорядоченных сплавов.// Physics of Metals and Metallography, 2005, Т.99, С.558. Ref.[B65].
- A143. Tanriverdiev V.A., Tagiyev V.S., Seid-Rzayeva S.M. Bulk spin-wave region in an antiferromagnetic semiconductor superlattice. Scientific Conference "Heydar Aliyev-80"Baku-2003, ELM; Azerbaijan Journal of Physics(http://www.science.az/physics/Conf_HA/art18.pdf) Copyright 2005 Azerbaijan Institute of Physics, p.126-130. Ref.[B106].
- A144. Jian-Bao Wu, Ming-Xu Pei, and Qiang-Hua Wang. Competing orders and interlayer tunneling in cuprate superconductors: A finite-temperature Landau theory.// Phys.Rev., 2005, V.B71, P.172507. Ref.[B150].
- A145. David Munoz, Iberio de P.R. Moreira, and Francesco Illas. Magnitude of interplane effective parameters in multilayered high- T_c cuprate superconductors.// Phys.Rev., 2005, V.B71, P.172505. Ref.[B151].
- A146. T. A. Zaleski and T. K. Kopec. Dependence of the superconducting critical temperature on the number of layers in a homologous series of high- T_c cuprates.// Phys.Rev., 2005, V.B71, P.014519. Ref.[B151].
- A147. A. Kopp and Sudip Chakravarty. Universality of transition temperatures in families of copper-oxide superconductors: interlayer tunneling redux.// 2005, arXiv:cond-mat/0507574, Ref.[B151].
- A148. J. W. van Holten and K.S. Scharnhorst. Nonlinear Bogolubov-Valatin transformations and quaternions.// J.Physics A: Math.Gen., 2005, V.38, P.10245. Ref.[B17]
- A149. M. V. Mesquita, A. R. Vasconcellos, R. Luzzi, S. Mascarenhas. Large-scale quantum effects in biological systems .// Intern. J. Quant. Chem., 2005, V.102, P.1116 . Ref.[B7].
- A150. A. Kopp and Sudip Chakravarty. Universality of transition temperatures in families of copper-oxide superconductors: interlayer tunneling redux.// Proc. SPIE 5932, Strongly Correlated Electron Materials: Physics and Nanoengineering, 593219 (September 03, 2005); doi:10.1117/12.623139; <http://dx.doi.org/10.1117/12.623139>; Strongly Correlated Electron Materials: Physics and Nanoengineering, Eds. Ivan Bozovic and Davor Pavuna, San Diego, California, USA , July 31, 2005; Ref.[B151].
- A151. T. H. Geballe and Gertjan Koster. "Discovering superconductors: A path to new science and higher T_c 's".// Proc. SPIE 5932, Strongly Correlated Electron Materials: Physics and Nanoengineering, 59321S (August 30, 2005); doi:10.1117/12.626120; <http://dx.doi.org/10.1117/12.626120>; Strongly Correlated Electron Materials: Physics and Nanoengineering, Eds. Ivan Bozovic and Davor Pavuna, San Diego, California, USA , July 31, 2005; Ref.[B151]
- A152. M. Mierzynska, K. I. Wysokinski. The isotope effect in disordered strongly coupled superconductors.// phys.stat.sol., 2006, V.b243, P.666. Ref.[B72].
- A153. W Jian-Bao. A finite-temperature Landau theory for multilayered cuprate superconductors.// Acta Physica Sinica, 2006, V.55, N 4, P.2049-2056; doi: 10.7498/aps.55.2049. [<http://wulixb.iphy.ac.cn/EN/abstract/abstract11676.shtml>] Refs.[B151].
- A154. IGOR KOGOUTIOUK, HANNA TERLETSKA. Investigation of the Density of States in the Non-Half-Filled Two Band Periodic Anderson Model.// Intern. J. Modern Phys. 2006, V.B 20, pp. 3101-3112; DOI: 10.1142/S0217979206035382. Ref.[B157].
- A155. В.И. Белявский, Ю.В. Копаев. Сверхпроводимость в гомологических рядах купратов: глубокие осцилляции спаривающего кулоновского потенциала.// Письма в ЖЭТФ, 2006, Т.83, С.606. Ref.[B151].
- A156. H. Mukuda, M. Abe, S. Shimizu, Y. Kitaoka, A. Iyo, Y. Kodama, H. Kito, Y. Tanaka, K. Tokiwa, and T. Watanabe. Disorder-Driven Quantum Phase Transition from Antiferromagnetic Metal to Insulating State in Multilayered High- T_c Cuprate $(Cu,C)Ba_2Ca_4Cu_5O_y$.// J. Phys. Soc. Jpn. 2006, V.75, P.123702. Ref.[B151]

- A157. T.H. Geballe. The Never-Ending Search for High-Temperature Superconductivity.// J. Supercond. Nov. Magn., 2006, V.19, P.261. Ref.[B150]
- A158. T. K. Kopec. Critical charge instability on the verge of the Mott transition and the origin of quantum protection in high- T_c cuprates.// Phys.Rev., 2006, V.B73, P.104505. Ref.[B151]
- A159. M. Michalik, K. I. Wysokinski. Off-Diagonal Nonmagnetic Disorder in s - and d -wave Superconductors.// Acta Physica Polonica, 2006, V.A109, P.623. Ref.[B72].
- A160. Xiang-Mei He, Qiang-Hua Wang. Microscopic mean field theory of competing orders and inter-layer tunnelling in high- T_c superconductors.// J.Physics: Condensed Matter, 2006, V.18, P.2635. Ref.[B151].
- A161. M. H. Lee. Testing Boltzmann's ergodic hypothesis with electron gas model.// J. of Physics A: Math.Gen., 2006, V.39, P.4651. Ref.[B162]
- A162. M.H. Lee. Ergodic Condition for Hermitian Many-Body Problem.// Acta Physica Polonica, 2007, V.38B, P.1837. Ref.[B162].
- A163. M. Auslender and M.I. Katsnelson. Generalized kinetic equations for charge carriers in graphene.// Phys.Rev., 2007, V.B76, P.235425. Ref.[B162].
- A164. A. Morriss-Andrews and R.J. Gooding. Two-electron bound state formation in the $t - J - U$ model for exchange-coupled planes.// J.Physics: Condensed Matter, 2007, V.19, P.386216. Ref.[B151].
- A165. Repetskyj, S. P.; Tatarenko, V. A.; Vyshivanaya, I. G.; et al. Title: The nature of abnormal temperature dependence of electrical resistance of $Fe_{0.5}Co_{0.5}$ alloy Source: METALLOFIZIKA I NOVEISHIE TEKHNologii. Volume: 29, Issue: 6, Pages: 787-804 (2007) Ref.[B65].
- A166-A167. M.H. Lee. Birkhoff Theorem and Ergometer: Relationship by an existence assumption.// Acta Physica Polonica, 2008, V.39B, P.1035. Refs.[B162,B167].
- A168. N. A. Khan, F. Ashraf, M. Mumtaz and N. Haider. Self-doping Effects on the Superconducting Properties of $Cu_{0.5}Tl_{0.25}Ba_2Ca_2Cu_3O_{10-\delta}$ ($M = Bi, Hg, Nb, Pd, Li, Na, K$).// J. Supercond. Nov. Magn., 2008, V.21, P.279. Ref.[B155].
- A169. A. Ishizaki, Y. Tanimura. Nonperturbative non-Markovian Quantum Master Equation: Validity and Limitation to calculate Nonlinear Response Functions.// Chemical Physics, 2008, V.347, P.185. Ref.[B168].
- A170. Repetsky, S. P.; Tatarenko, V. A.; Melnyk, I. M.; et al. Weak temperature dependence of electroresistance of a narrow-band $Fe_{1-x}Co_x$ alloy.// Source: METALLOFIZIKA I NOVEISHIE TEKHNologii, Volume: 30, Issue: 5, Pages: 605-618.(2008). Ref.[B65].
- A171. В.И. Белявский, Ю.В. Копаев, Н.Н. Туан. Сверхпроводимость в гомологических рядах купратов: межслоевая диэлектрическая связь сверхпроводящих пар.// Письма в ЖЭТФ, 2008, Т.87, С.652. Ref.[B151].
- A172-A173. M.H. Lee. Birkhoff Theorem and Ergometer: Meeting of Two Cultures.// Intern. J. Modern Phys. 2008, V.22B, P.4572. Ref.[B163,B168].
- A174. C. Ramanathan. Dynamic Nuclear Polarization and Spin-diffusion in Nonconducting Solids.// 2008, arXiv:0801.2170; Appl.Magn.Resonance., 2008, V.34, P.409. Ref.[B167]
- A175. Stephan A. Schwartz, Trends That Will Affect Your Future: Willful Ignorance. The Journal of Science and Healing, Volume 4, Issue 4, July 2008, Pages 232-234; Ref.[<http://theor.jinr.ru/kuzemsky/tybio.html>].
- A176-A177. M.Howard Lee. Birkhoff Theorem and Ergometer: Meeting of Two Cultures.// in: Condensed Matter Theories: Volume 23, Proceedings of the 31st International Workshop on Condensed Matter Theories (CMT31) held in Bangkok. ed. Virulh Sa-Yakanit, World Scientific, Singapore, 2008, p.284. Ref.[B162,B167].
- A178. Repetsky, S. P., Tatarenko, V. A., Melnyk, I. M. et al., Electronic structure and interplay of atomic and magnetic orders in alloys with narrow d-bands.// Usp. Fiz. Met. (2008), v. 9, pp. 259-287. Ref.[B65].

- A179-A181. M.Howard Lee. Ergodicity and Chaos in a System of Harmonic Oscillators.// Intern. J. Modern Phys. 2009, V.23B, P.3992. Refs.[B157,B163,B168].
- A182-A183. Г. Э. Норман, В. В. Стегайлов. Метод классической молекулярной динамики: вклад в основания статистической физики.// Вісник Харківського національного університету № 870, 2009; серія Хімія, вип. 17(40). С. 11-51. Refs.[B163,B168].
- A184. B. Šopic. Model for the Boron-Doping Dependence of the Critical Temperature of Superconducting Boron-Doped Diamond.// New Journal of Physics, 2009, V.11, P.103026. Ref.[B72].
- A185. A. de Souza Dutra and J. A. de Oliveira. Two-dimensional position-dependent massive particles in the presence of magnetic fields.// J. Phys. A: Math. Theor., 2009, V.42, P.025304. Ref.[B169].
- A186. Romeo F. and Citro R. Adiabatic quantum pumping and rectification effects in interacting quantum dots.// 2009, arXiv:0903.2362v2 [cond-mat.mes-hall] Wed, 24 Jun 2009; Ref.[B129].
- A187-A188. Navinder Singh, Two-temperature model of non-equilibrium electron relaxation: A review.// Intern. J. Modern Phys. 2010, V.24B, No.9 P.1141; 2009, arXiv:cond-mat/0702331v3 [cond-mat.stat-mech], [v3] Mon, 23 Mar 2009; Ref.[B163,B168].
- A189. Repetsky, S. P., Molodkin, V. B., et al. Energy spectrum and electroconductivity of systems with strong electron correlations.// Usp. Fiz. Met. (2009), v. 10, pp. 283-330. Ref.[B65].
- A190. M. Irfan, Nawazish A. Khan. Study of Phonon Modes and Superconducting Properties of the Oxygen Post-annealed of $Cu_{0.5}Tl_{0.5}Ba_2Ca_{n-1}(Cu_{n-y}Ge_y)O_{2n+4-\delta}$ ($n = 3, 4$ and $y = 0, 0.5, 0.75, 1.0$) superconductors// CRYOGENICS, 2010, V.50, Issue 2, P.61. Ref.[B155].
- A191. O. Civitarese, M. Reboiro, L. Rebon and D. Tielas. Squeezing in a spin chain with site-dependent periodic and long-range interactions.// Physics Letters A. 2010. Vol. 374, Issue 3, P. 424. Ref.[B110].
- A192-A193. M.Howard Lee. Boltzmann's Ergodic Hypothesis: A Meeting Place for Two Cultures.// Intern. J. Modern Phys. 2010, V.24B, Issues: 25-26, pp. 5241-5251; DOI: 10.1142/S0217979210057365, Refs.[B163,B168].
- A194. Ersoy Sasioglu, Arno Schindlmayr, Christoph Friedrich, Frank Freimuth, Stefan Blugel. Wannier-function approach to spin excitations in solids.// Phys.Rev., 2010, v.B81, P.054434. Ref.[B156].
- A195-A196. M.Howard Lee. Ergometric Theory of the Ergodic Hypothesis: Spectral Functions and Classical Ergodicity. Acta Physica Polonica, 2010, v.41B, P.1009. Refs.[B157,B162,B167].
- A197-A198. Cloves G. Rodrigues, Aurea R. Vasconcellos and Roberto Luzzi. Evolution kinetics of nonequilibrium longitudinal-optical phonons generated by drifting electrons in III-nitrides: longitudinal-optical-phonon resonance.// J. Appl. Phys. v.108, 033716 (2010); doi:10.1063/1.3462501. Ref.[B7,B174].
- A199-A200. Fons Brosens and Wim Magnus. Newtonian trajectories: A powerful tool for solving quantum dynamics. Solid State Communications, 2010, V.150, Issues 43-44, P.2102-2105. Refs.[B163,B168].
- A201. Shreemoyee Ganguly, Indra Dasgupta, Abhijit Mookerjee. A real space approach to study the effect of off-diagonal disorder on superconductivity. Physica C: Superconductivity, 2010, V.470, Issues 15-16, P.640-647. Refs.[B72].
- A202-203. K. Scharnhorst, J.-W. van Holten. Nonlinear Bogolyubov-Valatin transformations: 2 modes. Annals of Physics, Volume 326, Issue 11, November 2011, Pages 2868-2933; Refs.[B16,B17], doi:10.1016/j.aop.2011.05.001 arXiv:1002.2737v3 [math-ph], 116 pages. Refs.[B16,B17].
- A204. Grzegorz Gorski and Jerzy Mizia. Hubbard III approach with hopping interaction and intersite kinetic correlations. Phys.Rev., 2011, v.B 83, P.064410; Ref.[B157].
- A205. Masuo Suzuki. Irreversibility and entropy production in transport phenomena I. Physica A: Statistical Mechanics and its Applications, Physica A (2011), v.390, P.1904; see also arXiv:1103.1954 (March 2011); Ref.[B163].

- A206. Masuo Suzuki. First-Principle Derivation of Entropy Production in Transport Phenomena. *Journal of Physics: Conference Series*, (2011) Vol. 297, Number 1, P.012019; Ref.[B163].
- A207. Masuo Suzuki. Irreversibility and entropy production in transport phenomena, II: Statistical-mechanical theory on steady states including thermal disturbance and energy supply. *Physica A: Statistical Mechanics and its Applications*, (2012), v.391, P.1074-1086. Ref.[B163].
- A208. O. Paul Isikaku-Ironkwe. Transition Temperatures of Superconductors Estimated from Periodic Table Properties. arXiv:1204.0233v1 [physics.gen-ph] 25 Mar 2012. Ref.[B155].
- A209. Vikram H. Zaveri. Introducing spin in Schrodinger dynamics of particle motion. arXiv:0707.2431v6 [physics.gen-ph] 21 May 2010. To be published in: *Pramana - J. Phys.* vol.77 (2012); Ref.[B169].
- A210-211. Angsula Ghosh and B.M. Pimentel. Pairing symmetries in cuprates: A Gorkov formalism.// *Physica B: Condensed Matter*. (2012) Vol. 407, P. 3965-3969; Ref.[B174,B183].
- A212. Peter Punin. A reinterpretation of Schrodinger's cat according to Ernst Mayr. Quantum linear superposition v/s macroscopic systemicity. viXra:1209.0012 submitted on 2012-09-04 [History and Philosophy of Physics] <http://vixra.org/pdf/1209.0012v1.pdf>, Ref.[B196].
- A213-214. Aurea R. Vasconcellos, Fabio Stucchi Vannucchi, Sergio Mascarenhas and Roberto Luzzi. Frohlich Condensate: Emergence of Synergetic Dissipative Structures in Information Processing Biological and Condensed Matter Systems. **Information**,(2012), v.3, P.601-620; doi:10.3390/info3040601. Refs.[B168,B174].
- A215. A. M. Ukpogon and N. Chetty. Half-metallic ferromagnetism in substitutionally doped boronitrene. *Phys.Rev.*, 2012, v.B 86, P.195409 [13 pages]; Ref.[B174].
- A216-217. C. A. B. Silva, J. G. Ramos, A. R. Vasconcellos, and R. Luzzi. Nonlinear Higher-Order Hydrodynamics. Unification of kinetic and hydrodynamic approaches within a nonequilibrium statistical ensemble formalism. arXiv:1210.7280 [physics.flu-dyn]. Refs.[B168,B174].
- A218-219. Alexei Kojevnikov. Probability, Marxism, and Quantum Ensembles. in: *Yearbook of the European Culture of Science* (2012) p.211-235; (<http://www.history.ubc.ca/sites/default/files/akojevnikov/documents/Probability2012.pdf>) Refs.[B169,B170].
- A220. V. L. Chechulin. On the periodization of the history of physics. *Vestnik of the PERM State University*, (2012) N4(12), P.110-122; [В. Л. Чечулин, К периодизации истории физики. ВЕСТНИК ПЕРМСКОГО УНИВЕРСИТЕТА (2012) Математика. Механика. Информатика, Вып. 4(12), 110-122.] Ref.[B36].
- A221. Vladan Celebonovic, The Hubbard model and optics: reflectivity of 1D and 2D systems. *Journal of Physics: Conference Series* 398 (2012) 012009; Ref.[<http://theor.jinr.ru/kuzemsky/hubbio2.html>].
- A222. Patrick Bruno. Comment on "Space-Time Crystals of Trapped Ions": And Yet it Moves Not! arXiv:1211.4792 [quant-ph] (2012). Ref.[B183]. (A Comment on "Space-Time Crystals of Trapped Ions", by Tongcang Li et al. (PRL 109, 163001 (2012); arXiv:1206.4772)
- A223-227. Masuo Suzuki. Irreversibility and entropy production in transport phenomena, III - Principle of minimum integrated entropy production including nonlinear responses. *Physica A: Statistical Mechanics and its Applications*, (2013), v.392, Issue 2, 15 January 2013, Pages 314-325; Refs.[B163,B168,B183,B189,B193].
- A228. Grzegorz Gorski and Jerzy Mizia. Antiferromagnetic ordering of itinerant systems with correlation and binary disorder. *Physica B*, (2013), v.409, P.71-77; Ref.[B143].
- A229-231. Grzegorz Gorski and Jerzy Mizia. Equation of Motion Solutions to Hubbard Model

Retaining Kondo Effect. *Physica B*, (2013), v.427, P.42-46; [arXiv:1211.6038v1 [cond-mat.str-el] (2012)].
 Refs.[B119,B128,B157].

A232. Chuev Anatoly Stepanovich, ANALYSIS OF STRUCTURE AND FREQUENCY RESONANCES IN THE OPTICAL SPECTRA OF ATOMS. [Чуев Анатолий Степанович,];
 Article reference:
 Chuev A.S. Analysis of structure and frequency resonances in the optical spectra of atoms. // **Researches in Science**. - September 2013. - № 9 [Electronic journal].
 URL: <http://science.snauka.ru/en/2013/09/5812>. Ref.[B169].

A233. Hadi Arabshahi, Ali Bakhshayeshi, Atefeh Shaabani, Mina Mirzaee and Sara Nobakht. Stokes/Anti Stokes Modes in *Co/CoPt* Magnetic Recording Media. *The International Journal of Engineering and Science (IJES)* (2013), vol.2, Issue 2, P.40-47; Ref.[B80].

A234-235. Cloves G. Rodrigues, Aurea R. Vasconcellos and Roberto Luzzi. Drifting electron excitation of acoustic phonons: Cerenkov-like effect in n-GaN. *J. Appl. Phys.* v.113, 113701 (2013); <http://dx.doi.org/10.1063/1.4795271>, Refs.[B168,B174].

A236. P. A. ANDREEV, FIRST PRINCIPLES DERIVATION OF NLS EQUATION FOR BEC WITH CUBIC AND QUINTIC NONLINEARITIES AT NONZERO TEMPERATURE: DISPERSION OF LINEAR WAVES. *Int. J. Mod. Phys. B*, v. 27, p.1350017 (2013) [25 pages]
 DOI: 10.1142/S0217979213500173; Ref.[B183].

A237-238. F. S. Vannucchi, A. R. Vasconcellos and R. Luzzi. Dynamics of a Bose-Einstein Condensate of Excited Magnons. arXiv preprint: arXiv:1302.1765, (2013). Refs.[B168,B174].

A239. Patrick Bruno. Comment on "Space-Time Crystals of Trapped Ions". *Phys. Rev. Lett.* v.111, p. 029301 (2013); DOI: 10.1103/PhysRevLett.111.029301 Ref.[B183].

A240. GUO-YONG YUAN, XIAO-MING WANG, GUANG-RUI WANG and SHI-PING YANG, EFFECT OF EXTERNAL PERIODIC PULSES ON SPIRAL DYNAMICS AND CONTROL OF SPIRAL WAVES. *International Journal of Modern Physics B*, Vol. 27, No. 28 (2013) p.1350158 (12 pages) Ref.[B183].

A241. NGUYEN NGOC HIEU and NGUYEN PHAM QUYNH ANH, Electronic band structure of carbon nanotube with quinoid structure. *Mod. Phys. Lett. B* v.27, p. 1350179 (10 pages) (2013); DOI: 10.1142/S0217984913501790, Ref.[B189].

A242. H. Soller, D. Breyel. Signatures in the conductance for phase transitions in excitonic systems. arXiv preprint: arXiv:1308.0828 [cond-mat.mes-hall], (2013). Ref.[B189].

A243. H. Soller, D. Breyel. Signatures in the conductance for phase transitions in excitonic systems. *Modern Physics Letters B*, Vol. 27 (2013) 1350185 (10pages). Ref.[B189].

A244-245. F. S. Vannucchi, A. R. Vasconcellos and R. Luzzi. Dynamics of a Bose-Einstein condensate of excited magnons. *The European Physical Journal B*, Vol. 86 (2013) 463 (18 pages). Refs.[B168,B174].

A246. HIROYOSHI TSUYUKI, TOMOHIRO SHIIBASHI, SHOICHI SAKAMOTO and MITSUYOSHI TOMIYA.
 Effects of Substitutional Doping in Electronic Transport Properties of Carbon Nanotubes. *International Journal of Modern Physics B*, Vol. 27, No. 26 (2013) 1350157 (9 pages). Ref.[B199].

A247. VICTOR I. TESLENKO and OLEKSIY L. KAPITANCHUK. Theory of Kinetics of Multistep Ligand-Receptor Assembly in Dissipating and Fluctuating Environments. *International Journal of Modern Physics B*, Vol. 27, No. 30 (2013) 1350169 (32 pages). Ref.[B183].

A248. Aurea R. Vasconcellos, A. A. P. Silva, Roberto Luzzi, J. Casas-Vazquez, and David Jou. Mesoscopic hydrothermodynamics of complex-structured materials. *Phys. Rev. E* 88, 042110 (2013) [17 pages]. Ref.[B168].

A249. S. NAJI, A. BELHAJ, H. LABRIM, A. BENYOUSSEF and A. EL KENZ. Electronic Structure of Graphene and Germanene Based on Double Hexagonal Structure. *Modern Physics*

- Letters B, Vol. 27 (2013) 1350212 (9 pages). Ref.[B199].
- A250. RAJENDRAN MAHESH, RAMASWAMY MURUGAN, BALAN PALANIVEL. Electronic Structure, Magnetic Ordering and Phase Stability OF LiFeX (X = P, As and Sb) Under Pressure. Modern Physics Letters B, Vol. 27 (2013) 1350236 (14 pages) Ref.[B189].
- A251. V. DeGeorge, S. Shen, P. Ohodnicki, M. Andio, and M. E. McHenry. Multiphase Resistivity Model for Magnetic Nanocomposites Developed for High Frequency, High Power Transformation. Journal of Electronic Materials, 2014, Volume 43, Issue 1, pp 96-108. Ref.[B189].
- A252. Shivakumara Giriya-pura, Baomin Zhang, Robert A. de Groot, Gilles A. de Wijs, Antonio Caretta, Paul H. M. van Loosdrecht, Winfried Kockelmann, Thomas T. M. Palstra, Graeme R. Blake. Anionogenic Mixed Valency in $K_xBa_{1-x}O_{2-\delta}$. Inorganic Chemistry, 2014, 53 (1), pp. 496-502, Ref.[B199].
- A253. Richard Mabbs, Nicholas Holtgrewe, Diep Bich Dao and Joshua Lasinski. Photodetachment and photodissociation of the linear OCuO- molecular anion: energy and time dependence of Cu- production. Phys. Chem. Chem. Phys., 2014, vol.16, p.497-504; DOI: 10.1039/C3CP52986J, Ref.[B155].
- A254. Guoyong Yuan, Litao Ma, Lijun Xu, Guangrui Wang and Shiping Yang. Dynamics of meandering spiral waves under the modulation of a dichotomous noise. Physica Scripta, Vol.89, Number 4, p.045201 (2014); Ref.[B183].
- A255. S. N. Andrianov, V. V. Bochkarev and S. Moiseev. Kinetics of pulse-induced magnon Bose-Einstein condensate. The European Physical Journal B, Vol. 87 (2014) p.128. Ref.[B163].
- A256. M. C. Baldiotti, Wallace S. Elias, C. Molina, Thiago S. Pereira. Thermodynamics of quantum photon spheres. Phys. Rev. D 90, 104025 (2014) [7 pages]. Ref.[B201].
- A257. Daan Frenkel and Patrick B. Warren. Gibbs, Boltzmann, and negative temperatures. arXiv preprint: arXiv:1403.4299v1 [cond-mat.stat-mech] 17 Mar 2014, (2014). Ref.[B201].
- A258-259. A. Zuin, M. A. Novak, S. H. Toma, K. Araki, H. E. Toma, Anisotropic magnetic carbon materials based on graphite and magnetite nanoparticles. CARBON (Elsevier), v.77, October 2014, pp.600-606; doi:http://dx.doi.org/10.1016/j.carbon.2014.05.064; Refs.[B174,B199].
- A260. Vitalii Semin and Francesco Petruccione. Non-equilibrium thermodynamics approach to open quantum systems. Phys. Rev. A 90, 052112 (2014) [8 pages]. Ref.[B7].
- A261. Grzegorz Gorski, Jerzy Mizia and Krzysztof Kucab. Alternative equation of motion approach to the single-impurity Anderson model. arXiv:1404.4439 [cond-mat.str-el] (2014). Ref.[B157].
- A262. Grzegorz Gorski, Jerzy Mizia and Krzysztof Kucab. Alternative equation of motion approach to the single-impurity Anderson model. ACTA PHYSICA POLONICA A, Vol.126, No.4A, A97 (2014). Ref.[B157].
- A263. J. Tucek, K.C. Kemp, K.S. Kim, and R. Zboril, Iron Oxide Supported Nanocarbon in Lithium-Ion Batteries, Medical, Catalytic, and Environmental Applications. ACS Nano. vol.8(8), 7571-7612 (2014). doi: 10.1021/nn501836x. Ref.[B199].
- A264. Shuji Watanabe and Ken Kuriyama. Lipschitz continuity and monotone decreasingness of the solution to the BCS gap equation for superconductivity. arXiv:1411.7473v1 [math-ph] (2014). Ref.[B183].
- A265. Grzegorz Gorski, Jerzy Mizia and Krzysztof Kucab. Alternative equation of motion approach applied to transport through a quantum dot. arXiv:1412.7047 [cond-mat.mes-hall] (2014). Ref.[B157].
- A266. P. P. Deen, O. Florea, E. Lhotel, H. Jacobsen. Updating the phase diagram of the archetypal frustrated magnet Gd₃Ga₅O₁₂. arXiv:1501.03361v1 [cond-mat.str-el] (2015). Ref.[B183].
- A267. Daan Frenkel and Patrick B. Warren. Gibbs, Boltzmann, and negative temperatures. American J. Phys. 83, 163 (2015); Ref.[B201].
- A268. P. P. Deen, O. Florea, E. Lhotel, H. Jacobsen. Updating the phase diagram of the archetypal frustrated magnet Gd₃Ga₅O₁₂. Phys. Rev. B 91, 014419 (2015) [9 pages]. Ref.[B183].
- A269. Grzegorz Gorski, Jerzy Mizia and Krzysztof Kucab. Modified Equation of Motion Approach

- for Ferromagnetic Systems. ACTA PHYSICA POLONICA A, Vol.127, No.2A, 207 (2015). Ref.[B157].
- A270. V. V. Pryadun, D. V. Louzguine-Luzgin, L. V. Shvanskaya, A. N. Vasiliev. Thermoelectric properties of Au-based metallic glass at low temperatures.// *Pis'ma v ZhETF*, vol. 101, iss. 7, pp. 518-521, (2015), Ref.[B189].
- A271-272. A. I. Agafonov, Phonon residual resistance of pure crystals. *Int. J. Mod. Phys. B*, v. 29, p.1550206 (2015) [12 pages]. Refs.[B168,B189].
- A273-274. V. N. Gorev and A. I. Sokolovsky, Plasma kinetic coefficients with account for relaxation processes. *Int. J. Mod. Phys. B*, v. 29, p.1550233 (23 pages) (2015). Refs.[B168,B189].
- A275. Grzegorz Gorski, Jerzy Mizia and Krzysztof Kucab. Alternative equation of motion approach applied to transport through a quantum dot. *Physica*, v. E 73, p.76 (2015). Ref.[B157].
- A276. V. I. Teslenko and O. L. Kapitanchuk. Defining Competitivity of an Absorbing Markov Chain. *Journal of Physical Studies* (2015), v. 19, No. 1/2 (2015) 1001(10 p.) Ref.[B183].
- A277-279. Ch. Narasimha Raju and A. Chatterjee. Ground state energy, binding energy and the impurity specific heat of Anderson-Holstein model. *Canadian Journal of Physics*, v.93(10), pp.1024-1029 (2015). DOI: 10.1139/cjp-2014-0432; Refs.[B129,B157,B174].
- A280. Mark Durand. Statistical Mechanics of Two-dimensional Foams: Physical Foundations of the Model. arXiv preprint (2015): arXiv:1507.04542v1 [cond-mat.soft] 16 Jul 2015. Ref.[B201].
- A281. X.T. Chen , H. Qiao, X.Y. Li and K.J. Yang. Electrical properties of $Hg_{1-x}Cd_xTe$ by different etching techniques. *Infrared Physics and Technology (Elsevier)* vol. 73, pp. 251 - 254 (2015); doi:10.1016/j.infrared.2015.09.023; Ref.[B169].
- A282. Oleksiy Kapitanchuk and Victor Teslenko. Fractional cooperativity of the few-level system contacting with the environment. *International Journal of Chemical Physics* (2015), Ref.[B183].
- A283. Mark Durand. Statistical Mechanics of Two-dimensional Foams: Physical Foundations of the Model. *The European Physical Journal E*, v.38, p.137 (2015). Ref.[B201].
- A284. Lathouwers Emma and Laura Filion. "Diffusion in hard-sphere interstitial solid solutions." *Soft Matter* (2015), Ref.[B201].
- A285-288. H. Ebrahimnejad, G. A. Sawatzky and M. Berciu. Differences between the insulating limit quasiparticles of one-band and three-band cuprate models. *J. Phys.: Condens. Matter*, v. 28 (2016) p.105603 (14pp). Refs.[B120,B125,B144,B157].
- A289. A. Giffin, C. Cafaro and S. A. Ali, Application of the maximum relative entropy method to the physics of ferromagnetic materials. arXiv preprint: arXiv:1603.00068v1 [cond-mat.stat-mech], (2016). Ref.[B205].
- A290. A. Giffin, C. Cafaro and S. A. Ali, Application of the maximum relative entropy method to the physics of ferromagnetic materials. *Physica A*, vol.455 p.11 (2016). Ref.[B205].
- A291. E. Konishi. Core-Halo Quasi-Stationary States in the Hamiltonian Mean-Field Model. arXiv preprint (2016): [cond-mat.stat-mech] arXiv:1601.07627. Ref.[B201].
- A292. Hylke C. Donker, Hans De Raedt and Mikhail I. Katsnelson. Decoherence wave in magnetic systems and creation of Neel antiferromagnetic state by measurement. arXiv:1602.04703 [quant-ph], (2016) Ref.[B183].
- A293. E. Konishi. Core-Halo Quasi-Stationary States in the Hamiltonian Mean-Field Model. *Int. J. Mod. Phys. B*, v. 30, p.1630007 (58 pages) (2016). Ref.[B201].
- A294. J. Vejpravova, B. Pacakova and M. Kalbac, Magnetic impurities in single-walled carbon nanotubes and graphene: a review. *Analyst*, v. 141, pp.2639-2656 (2016); DOI: 10.1039/C6AN00248J. Ref.[B199].
- A295. Gorski, G., Mizia, J. and Kucab, K., Modified equation of motion approach for metallic ferromagnetic systems with the correlated hopping interaction. *Phys. Status Solidi B.*, v. 253, p.1202 (2016); doi: 10.1002/pssb.201552722. Ref.[B157].
- A296. G. Gorski, Irreducible Green functions method applied to nanoscopic systems. arXiv:1603.02545

- [cond-mat.mes-hall] (2016). Ref.[B72].
- A297. Hylke C. Donker, Hans De Raedt, and Mikhail I. Katsnelson. Decoherence wave in magnetic systems and creation of Neel antiferromagnetic state by measurement. *Phys. Rev. B* 93, 184426 (2016). Ref.[B183].
- A298. V. I. Teslenko and E. G. Petrov. Regularization of Environment-Induced Transitions in Nanoscopic Systems. *Ukr. J. Phys.* 2016, Vol. 61, N 7, p.627-647; Ref.[B183].
- A299. A. Corral, R. Garcia-Millan and F. Font-Clos, Exact derivation of a finite-size-scaling law and corrections to scaling in the geometric Galton-Watson process. arXiv:1605.07349v1 [cond-mat.stat-mech] (2016). Ref.[B201].
- A300-301. Shuji Watanabe. An operator theoretical proof for the second-order phase transition in the BCS-Bogoliubov model of superconductivity. arXiv:1607.00090 [math-ph] (2016). Ref.[B183,B205].
- A302. A. Corral, R. Garcia-Millan and F. Font-Clos, Exact derivation of a finite-size-scaling law and corrections to scaling in the geometric Galton-Watson process. *PLoS ONE* 11(9): e0161586. doi:10.1371/journal.pone.0161586, (2016). Ref.[B201].
- A303. Odhiambo J. O., Sakwa T. W., Rapando B.W. and Ayodo Y. K. EFFECT OF CuO₂ PLANE ON THE THERMODYNAMIC PROPERTIES OF DOUBLE TI-O LAYERED CUPRATE BASED ON AN INTERACTION BETWEEN COOPER PAIR AND AN ELECTRON. *International Journal of Physics and Mathematical Sciences*, ISSN: 2277-2111 (Online); Vol. 6 (2) April-June, pp. 69-77 (2016). Ref.[B155].
- A304. Odhiambo J. O., Ayodo Y. K., Sakwa T. W., and Rapando B.W. Thermodynamic properties of Mercury based cuprate due to Cooper pair-electron interaction *Journal of Multidisciplinary Engineering Science and Technology (JMEST)* ISSN: 2458-9403; Vol. 3 Issue 7, July - 2016, p.5241 (2016). Ref.[B155].
- A305. G. Gorski, Irreducible Green functions method applied to nanoscopic systems. *ACTA PHYSICA POLONICA A*, Vol.130, No.2A, 551 (2016). Ref.[B72].
- A306-307. Shuji Watanabe and Ken Kuriyama. Smoothness and monotone decreasingness of the solution to the BCS-Bogoliubov gap equation for superconductivity. arXiv:1609.07224 [math-ph] (2016). Refs.[B183,B205].
- A308. Carla Mariela Quispe Flores. Classical Propagation in the Quantum Inverted Oscillator. arXiv:1612.01604 [quant-ph] (2016). Ref.[B169].
- A309. M.D. Zviadadze and A.G. Kvirikadze. Generalized kinetic equations of dynamic system interacting with non-equilibrium medium. arXiv:1612.09084 [cond-mat.stat-mech] (2016). Ref.[B7].
- A310. Первушин В.Н. Д. И. БЛОХИНЦЕВ - УЧЕНЫЙ И ПЕДАГОГ. О ДУХОВНЫХ ОСНОВАХ НАУЧНОГО ТВОРЧЕСТВА. *Образование и наука.* (2016);(4):117-133. Pervushin V.N. D. I. BLOKHINTSEV - SCIENTIST AND TEACHER. THE SPIRITUAL FOUNDATIONS OF SCIENTIFIC WORK. *The Education and science journal.* (2016);(4):117-133. Ref.[B169].
- A311. W. Nolting, Ferromagnetism in magnetic 4f-systems. in: *Proceedings of SAIP2016, the 61st Annual Conference of the South African Institute of Physics*, eds. S.Peterson and S. Yacoob, pp.60-65, Ref.[B161].
- A312. Юрий Аммосов, (Преподаватель МФТИ) Ричард Фейнман: веселый человек и великий ученый. (2016). <https://republic.ru/app.php/posts/62519>; Ref.[B169].
- A313. Анастасия Корзухина. Становление научных школ Блохинцева, Боголюбова и Флёрва в ЛТФ и ЛЯР ОИЯИ. *E-Journal "Семь искусств"*(2017) No 2 (<http://m.7iskusstv.com/2017/Nomer2/Korzuhina1.php>). Ref.[B171].
- A314. Первушин В.Н. Д. И. БЛОХИНЦЕВ О ДУХОВНЫХ ОСНОВАХ НАУЧНОГО ТВОРЧЕСТВА. *ИЗВЕСТИЯ САРАТОВСКОГО УНИВЕРСИТЕТА. НОВАЯ СЕРИЯ. СЕРИЯ: ФИЗИКА* Издательство: Саратовский национальный исследовательский государственный университет им. Н.Г. Чернышевского (Саратов) ISSN: 1817-3020eISSN: 2542-193X; Том: 17 Номер: 1 Год: (2017) Страницы: 55-63; DOI:10.18500/1817-3020-2017-17-1-55-63; [Pervushin V.

- N. D. I. Blokhintsev about the Spiritual Foundations of Scientific Creativity. *Izv. Saratov Univ. (N.S.), Ser. Physics*, (2017), vol. 17, iss. 1, pp. 55-63 (in Russian) Ref.[B169].
- A315-318. Jander P. Santos. A generalization of mean field theory in a cluster with many-sites on the Ising model from the Bogoliubov inequality: Hexagonal Nanowire and Nanotube. *Brazilian Journal of Physics* v.47 p.122 (2017); doi:10.1007/s13538-016-0478-4. Refs.[B16,B174,B201,B205].
- A319. Tatiana A. Khantuleva, Dmitry S. Shalymov. Modelling non-equilibrium thermodynamic systems from the speed-gradient principle. *Phil. Trans. Roy. Soc. A* 375, p.20160220 (2017); DOI: 10.1098/rsta.2016.0220. Ref.[B168].
- A320-322. Jovan P. Setrajcic and Stevo K. Jacimovski. Different Regions of Exciton Localized States in Ultrathin Dielectric Films. *Journal of Physics and Chemistry of Solids*, vol.105, pages 1-8 (2017); Refs.[B157,B174,B201].
- A323-325. Cloves G. Rodrigues. Ultrafast Transport Transient in n-Doped ZnS in Wurtzite and Zincblende Phases. *Condensed Matter* (2017), 2(1), 12; doi:10.3390/condmat2010012. Refs.[B168,B189,B207].
- A326-327. Shuji Watanabe and Ken Kuriyama. Smoothness and monotone decreasingness of the solution to the BCS-Bogoliubov gap equation for superconductivity. *Journal of Basic and Applied Sciences*, vol.13, p.17-25 (2017).
<https://doi.org/10.6000/1927-5129.2017.13.04>;
<http://www.lifescienceglobal.com/pms/index.php/jbas/article/view/4426/2527>;
 Refs.[B183,B205].
- A328-330. Grzegorz Gorski, Krzysztof Kucab, Irreducible Green's functions method for a quantum dot coupled to metallic and superconducting leads. *PHYSICA E*, vol.89, Pages 21-28 (2017).
<http://dx.doi.org/10.1016/j.physe.2017.01.026>; Refs.[B72,B143,B157].
- A331. Gennaro Auletta, Lamberto Rondoni, and Angelo Vulpiani. On the relevance of the maximum entropy principle in non-equilibrium statistical mechanics. *Eur. Phys. J. Special Topics, EDP Sciences*, Springer-Verlag (2017) p.1-17; DOI: 10.1140/epjst/e2017-70064-x, Ref.[B206].
- A332. Aniek Magnus Ukpang. Ab initio studies of coherent spin transport in Fe-hBN/graphene van der Waals multilayers. *Journal of Physics: Condensed Matter*, Volume 29, Number 28 (2017) p.285302 (11pp). Ref.[B199].
- A333. Yongping Zheng, Yanhuan Chen, Lihua Lin, Yuanyuan Sun, Huibiao Liu, Yuliang Li, Youwei Du, and Nujiang Tang. Intrinsic magnetism of graphdiyne. *Applied Physics Letters*, Volume 111, Number 3 (2017) p.033101 (6pp).
 Ref.[B199].
- A334. Shaanan Cohny, On Knowing (In Response To: The Case for a Case: Christian Apologetics in Perspective), *Locust Walk*, Jun 18, (2017) [Locust Walk is a student-led Christian publication that exists to present the perspectives of faith and non-faith worldviews on questions of truth and purpose. Through active dialogue within the University of Pennsylvania, we seek to build relationships modeled after the life and teachings of Jesus Christ who informs our understanding of cultural engagement, reconciliation, and community. We pledge to cultivate an environment where the pursuit of solidarity in diversity can lay a foundation for conversation conducted with love and mutual respect.] Ref. [<http://theor.jinr.ru/kuzemsky/plantingabio.html>].
- A335-337. R.G.B. Mendes, F.C.S. Barreto, J.P. Santos. Thermodynamic States of the Mixed Spin 1/2 and Spin 1 Hexagonal Nanowire System Obtained from a Seven-Site Cluster Within an Improved Mean Field. arXiv:1706.05630 [cond-mat.stat-mech] (2017); Refs.[B16,B174,B205].
- A338. P. de Castro, P. Sollich. Phase separation dynamics of polydisperse colloids: a mean-field lattice-gas theory. arXiv:1706.05316 [cond-mat.soft] (2017); Ref.[B205].
- A339. Bushra K. H. Al-Maiyaly, Ali H.Abd Alrazak, Hanaa I.Mohammed, Auday H.Shaban, *HgBa₂Ca_{n-1}Cu_nO_{2n+2+δ}* Superconducting thin films Prepared by Pulsed Laser Deposition. *Energy Procedia (Elsevier)*, Vol. 119, July 2017, Pages 490-500; Ref.[B151].

- A340. P. de Castro, P. Sollich. Phase separation dynamics of polydisperse colloids: a mean-field lattice-gas theory. *Phys. Chem. Chem. Phys.*, 19, 22509-22527, (2017); Ref.[B205].
- A341. Oleg Granichin, Tatiana A. Khantuleva, and Natalia Amelina. Adaptation of Aircraft's Wings Elements in Turbulent Flows by Local Voting Protocol. *IFAC Papers 50-1* (2017) pp.1904-1909; (Proceedings of the 20th World Congress: The International Federation of Automatic Control, Toulouse, France, July 9-14, 2017) Ref.[B168].
- A3421. Rory Brown, Niels R. Walet and Francisco Guinea, Edge modes and non-local conductance in graphene superlattices. arXiv:1707.01043v3 [cond-mat.mes-hall] 25 Oct 2017; Ref.[B189].
- A343. Hylke C. Donker, Hans De Raedt, and Mikhail I. Katsnelson. Antiferromagnetic order without recourse to staggered fields. arXiv:1711.07738v1 [quant-ph] *Quantum Physics (quant-ph)* 21 Nov 2017; Ref.[B183].
- A344-345. Shuji Watanabe. An operator-theoretical proof for the second-order phase transition in the BCS-Bogoliubov model of superconductivity II. arXiv:1712.09295v1 [math-ph] 14 Dec 2017; Refs.[B183,B205].
- A346. G. Röpke, "Electrical conductivity of charged particle systems and Zubarev's nonequilibrium statistical operator method [Г. Репке, Электропроводность систем заряженных частиц и метод неравновесного статистического оператора Зубарева], *Theoretical and Mathematical Physics*, v.194, no.1 (2018), pp.74-104; Ref.[B209].
- A347. Elena V. Bichenkova, Arun P. A. Raju, Kepa K. Burusco, Ian A. Kinloch, Kostya S. Novoselov and David J. Clarke. NMR detects molecular interactions of graphene with aromatic and aliphatic hydrocarbons in water. *2D Materials (IOP Publ.)*, Vol. 5, Number 1, 015003 (2018) (<https://doi.org/10.1088/2053-1583/aa8abe>) Ref.[B199].
- A348. Rory Brown, Niels R. Walet and Francisco Guinea, Edge Modes and Nonlocal Conductance in Graphene Superlattices. *Phys. Rev. Lett.* v.120, p.026802 (2018) ; Ref.[B189].
- A349. D. Cevizovic, A.Chizhov, A. Reshetnyak, S.Galovic and S. Petkovic, On the vibron-polaron damping in quasi 1D macromolecular chains. *IOP Conf. Series: Journal of Physics: Conf. Series* 965 (2018) 012011; Ref.[B6].
- A350. Anagh Bhaumik, Sudhakar Nori, Ritesh Sachan, Siddharth Gupta, Dhananjay Kumar, Alak Kumar Majumdar, Jagdish Narayan. Room-Temperature Ferromagnetism and Extraordinary Hall Effect in Nanostructured Q-Carbon: Implications for Potential Spintronic Devices. *ACS Applied Nano Materials* 1:2, 807-819 (2018).Ref.[B199].
- A351. Rico Pohle, Eleftheria G. Kavousanaki, Keshav M. Dani, Nic Shannon. Symmetry and optical selection rules in graphene quantum dots. *Phys. Rev. B* 97, 115404 (2018). Ref.[B189].
- A352-354. R.G.B. Mendes, F.C.S. Barreto, J.P. Santos. Thermodynamic States of the Mixed Spin 1/2 and Spin 1 Hexagonal Nanowire System Obtained from a Seven-Site Cluster Within an Improved Mean Field. *Brazilian Journal of Physics* v.48 p.137 (2018); Refs.[B16,B174,B205].
- A355. Qian Feng, Yongping Zheng, Jiaxin Li, Liqin Jiang, Yuda Lin, Qingying Ye, Luzhuo Chen, Zhigao Huang. Observation of ferromagnetic ordering by fragmenting fluorine clusters in highly fluorinated graphene. *Carbon*, v.132, p.691-697 (2018). Ref.[B199].
- A356-A358. Cloves Goncalves Rodrigues and Roberto Luzzi. The calculated Low-Energy Side of the Luminescence Spectrum in Zinc Selenide. *Journal of Luminescence* 199, 450-453 (2018) Refs.[B168,B1189,B207].
- A359-361. R.G.B. Mendes, F.C.S. Barreto, J.P. Santos. Thermodynamic states of the mixed spin 1/2 and spin 1 hexagonal nanotube system obtained from a eighteen-site cluster within an improved mean field. <https://doi.org/10.1016/j.physa.2018.03.094> ; *Physica A*, Vol. 505, 1 September 2018, Pages 1186-1195 (2018); Refs.[B16,B174,B205].
- A362. M. I. UMO, THE T-J MODEL AND SUPERCONDUCTIVITY. *GLOBAL JOURNAL OF PURE AND APPLIED SCIENCES* VOL 16, NO. 4, p.453-459 (2010); Ref.[B157].

- A363. Peng Fan, Ke Yang, Kou-Han Ma, Ning-Hua Tong, Projective Truncation Approximation for Equations of Motion of Two-Time Green's Functions. arXiv:1802.03864 [cond-mat.str-el] (2018); Ref.[B157].
- A364. Шнейдер Е.И., Макаров И.А., Зотова М.В., Овчинников С.Г. Влияние диагонального и недиагонального электрон-фоонных взаимодействий на формирование локальных поляронов и их зонной структуры в веществах с сильными электронными корреляциями. *ЖЭТФ*, Том 153, Вып. 5, стр. 820 (Май 2018); DOI: 10.7868/S0044451018050140. (English transl.: - *JETP*, Vol. 126, No 5, May 2018 is on-line on www.springer.com) Ref.[B67].
- A365. Peng Fan, Ke Yang, Kou-Han Ma, Ning-Hua Tong, Projective Truncation Approximation for Equations of Motion of Two-Time Green's Functions. *Phys. Rev. B* 97, 165140 (2018); Ref.[B157].
- A366-A367. Cloves Goncalves Rodrigues, Fabio S. Vannucchi and Roberto Luzzi. Non-Equilibrium Bose-Einstein-Like Condensation. *Advanced Quantum Technologies*, 26, 201800023 (2018); Refs.[B168,B174].
- A368. T. Balcerzak, K. Szalowski, A. Bobak, and M. Zukovic, Phase diagram of the J1-J2 frustrated anisotropic antiferromagnet with spin $S=1$ on the quadratic lattice. arXiv:1808.02257 [cond-mat.stat-mech] (2018); Ref.[B205].
- A369. T. Balcerzak, K. Szalowski, A. Bobak, and M. Zukovic Phase diagram of the J1-J2 frustrated anisotropic antiferromagnet with spin $S=1$ on the quadratic lattice. *Physical Review E* 98, 022123 (2018); Ref.[B205].
- A370-372. Shuji Watanabe. The second-order phase transition in the BCS-Bogoliubov model of superconductivity and its operator-theoretical proof. Preprint:Division of Mathematical Sciences, Gunma University, Japan (2018); <http://www.kurims.kyoto-u.ac.jp/~kyodo/kokyuroku/contents/pdf/2089-15.pdf>; Refs.[B183,B205,B207].
- A373. W. S. Elias, C. Molina and M. C. Baldiotti, Thermodynamics of bosonic systems in adS spacetime. arXiv:1803.05921v1 [hep-th] (2018); Ref.[B201].
- A374-375. Fabio Stucchi Vannucchi, Aurea Rosas Vasconcellos, Roberto Luzzi, Statistical Thermodynamics of the Frohlich-Bose-Einstein Condensation of Magnons out of Equilibrium. arXiv:1809.03335 [cond-mat.stat-mech] (2018); Refs.[B168,B174].
- A376. G.L.K. Frantz, M. Schmidt and F.M. Zimmer, Glassy behavior induced by magnetic field in a weakly disordered antiferromagnet. *Physica A: Statistical Mechanics and its Applications* (2018), DOI: <https://doi.org/10.1016/j.physa.2018.10.040>, Ref.[B205].