Mark Auslender

List of Publications by Year
in descending order

156 papers	1,990 citations	304743 22 h-index	315739 38 g-index
156 all docs	156 docs citations	156 times ranked	1335 citing authors

#	Article	IF	Citations
1	Ultra-thin Silicon Photonics Meta-detector for Perfect 850-950 nm Band Tunable Absorption. , 2021, , .		0
2	Chalcogenide-based, all-dielectric, ultrathin metamaterials with perfect, incidence-angle sensitive, mid-infrared absorption: inverse design, analysis, and applications. Nanoscale, 2021, 13, 11455-11469.	5.6	9
3	Fabrication of polymeric grating layers and their integration into optoelectronic devices using dip-pen nanolithography. , 2021, , .		0
4	In-depth investigation and applications of novel silicon photonics microstructures supporting optical vorticity and waveguiding for ultra-narrowband near-infrared perfect absorption. Photonics Research, 2020, 8, 381.	7.0	13
5	Improving Object Imaging With Sea Glinted Background Using Polarization Method: Analysis and Operator Survey. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 8764-8774.	6.3	7
6	Upmost efficiency, few-micron-sized midwave infrared HgCdTe photodetectors. Applied Optics, 2019, 58, F1.	1.8	6
7	Upmost efficiency, few-micron-sized midwave infrared HgCdTe photodetectors: erratum. Applied Optics, 2019, 58, 5450.	1.8	1
8	Optimization of Fabry-Perot ring resonator embedding a grating based mirror. Optical and Quantum Electronics, 2018, 50, 1.	3.3	0
9	Concurrent Inverse Effects of Magnetostriction and Piezoelectricity in Magnetoelectric-Layered Structures. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	0
10	An essential enhancing the responsivity of magnetoelectric laminate sensors by an adjustment of their magnetic bias configuration. , 2017, , .		0
11	PDMS Deposition for Optical Devices by Dipâ€Pen Nanolithography. Macromolecular Materials and Engineering, 2017, 302, 1700053.	3.6	12
12	Single-Crystal Silicon: Electrical and Optical Properties. Springer Handbooks, 2017, , 1-1.	0.6	5
13	Solar cell efficiency improvement using dip-pen nanolithography. Journal of Photonics for Energy, 2017, 8, 1.	1.3	11
14	High sensitivity photodetectors based on nanometer scaled periodic multilayered structures. , 2016, , .		0
15	Ultrathin High Efficiency Photodetectors Based on Near Field Enhanced Optical Absorption. , 2015, , .		0
16	Ultrathin high efficiency photodetectors based on subwavelength grating and near-field enhanced absorption. Nanoscale, 2015, 7, 5476-5479.	5.6	9
17	Inverse effect of magnetostriction in magnetoelectric laminates. Applied Physics Letters, 2013, 103, 022907.	3.3	5
18	Mechanisms of the electron paramagnetic resonance line broadening in La1â^'xCaxMnO3. Journal of Applied Physics, 2013, 113, 17D705.	2.5	7

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19	Influence of Technologically Driven Disorder on Spin Dynamics in ${m La}_{0.9}{m Ca}_{0.1}{m MnO}_{3}$ Manganites in Mid-to-Far Critical Range. IEEE Transactions on Magnetics, 2012, 48, 4570-4573.	2.1	0
20	New resonant cavity-enhanced absorber structures for mid-infrared detector applications. Optical and Quantum Electronics, 2012, 44, 95-102.	3.3	13
21	Doped electron localization: Electron paramagnetic resonance probing of La0.3Ca0.7MnO3 compound. Journal of Applied Physics, 2011, 109, .	2.5	2
22	â€˜Griffiths phaseâ€™ versus chemical disorder in low-doped manganites: La0.9Sr0.1MnO3 crystal revisited. Journal of Applied Physics, 2011, 109, .	2.5	12
23	Dual-surface plasmon excitation with thin metallic nanoslits. Journal of Nanophotonics, 2011, 5, 051821.	1.0	20
24	Chemical disorder influence on magnetic state of optimally-doped La0.7Ca0.3MnO3. Journal of Applied Physics, 2011, 110, .	2.5	21
25	Nanometer Sized Effects on Magnetic Ordering in Laâ€“Ca Manganites, Probed by Magnetic Resonance. Nanoscience and Nanotechnology Letters, 2011, 3, 531-540.	0.4	9
26	Transition to electron doping in manganite system: Size-induced effects on magnetic order, probed by electron resonance technique. Solid State Communications, 2011, 151, 1593-1598.	1.9	8
27	Sensor with increased sensitivity based on enhanced optical transmission in the infrared. Optics Communications, 2011, 284, 1435-1438.	2.1	24
28	Novel resonant cavity-enhanced absorber structures for high-efficiency midinfrared photodetector application. Journal of Nanophotonics, 2011, 5, 051824.	1.0	9
29	Thermodynamics of Paramagnetic-Ferromagnetic Phase Transition in ${m La}_{0.7}{m Ca}_{0.3}{m MnO}_{3}$ Manganite: â€œGriffiths singularityâ€•versus Chemical Disorder and Lattice Effects. IEEE Transactions on Magnetics, 2010, 46, 1299-1302.	2.1	14
30	Modeling of the magnetoelectric effect in finite-size three-layer laminates under closed-circuit conditions. Journal of Applied Physics, 2010, 107, 09D914.	2.5	5
31	Polycrystalline PbSe on a polyimide substrate. Journal of Alloys and Compounds, 2010, 501, 6-13.	5.5	12
32	Electron paramagnetic resonance study of size and nonstoichiometry effects on magnetic ordering in half-doped La0.5Ca0.5MnO3 manganite. Journal of Applied Physics, 2010, 107, 09D702.	2.5	12
33	Nanometric Size Effect on Magnetic Ordering in Half-doped La0.5Ca0.5MnO3 Manganite: EPR Probing. Journal of the Korean Physical Society, 2010, 57, 1559-1562.	0.7	3
34	Grating Mirror Based High Efficiency Optical Resonance Cavity: Application to IR Photodetectors. , 2010, , .		0
35	Paramagnetic spin correlations and spin dynamics in doped manganites as the precursors of their magnetic ordering. Journal of Applied Physics, 2009, 105, .	2.5	10
36	La- and Mn-sites deficient LaMnO₃as a model system for studying paramagnetic magnetic correlations and spin dynamics in doped manganites. Journal Physics D: Applied Physics, 2009, 42, 245002.	2.8	10

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37	Paramagnetic spin dynamics in the nonhomogeneous crystals of low-doped lanthanum manganites. Journal of Applied Physics, 2009, 105, 07D705.	2.5	14
38	Electron Magnetic Resonance Study of Magnetic Order, Paramagnetic Magnetic Correlations, and Spin Dynamics in La- and Mn-Deficient LaMnO$_{3}$ Manganites. IEEE Transactions on Magnetics, 2009, 45, 4348-4351.	2.1	1
39	Theoretical and Experimental Investigation of Enhanced Transmission Through Periodic Metal Nanoslits for Sensing in Water Environment. Plasmonics, 2009, 4, 281-292.	3.4	54
40	Metal grating on a substrate nanostructure for sensor applications. Photonics and Nanostructures - Fundamentals and Applications, 2009, 7, 170-175.	2.0	35
41	Optical properties of silica opal templates in the infrared and visible. Optical Materials, 2008, 30, 1735-1738.	3.6	2
42	Optical and polarization phase manipulation of diffraction from grating nanostructure at excited waveguide resonance. Optical Materials, 2008, 30, 1731-1734.	3.6	0
43	Nanometer size effect on magnetic order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.4</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Predominant influence of doped electron localization. Physical Review B, 2008, 78, .	3.2	41
44	<title>Mid-infrared photoluminescence of PbSe film structures up to room temperature</title>. , 2008, , .		9
45	EMR Probing of Magnetic Ordering in ${m Pr}_{1-x}{m Sr}_{x}{m MnO}_{3}$ ($x=$ 0.22, 0.24, 0.26) Manganite Single Crystals. IEEE Transactions on Magnetics, 2008, 44, 2918-2921.	2.1	5
46	Inherent inhomogeneity in the crystals of low-doped lanthanum manganites. Applied Physics Letters, 2008, 92, .	3.3	24
47	Specific effects of nanometer scale size on magnetic ordering in La1â^'xCaxMnO3 (x=0.1, 0.3 and 0.6) manganites. Journal of Non-Crystalline Solids, 2008, 354, 5282-5286.	3.1	6
48	Sensitivity enhancement of guided-wave surface-plasmon resonance sensors. Optics Letters, 2008, 33, 2539.	3.3	227
49	Sensitivity enhancement of guided wave surface plasmon resonance sensors using top nano dielectric layer. Proceedings of SPIE, 2008, , .	0.8	2
50	Grating-based nanophotonic structured configurations for biosensing. Proceedings of SPIE, 2008, , .	0.8	2
51	Magnetic correlations and spin dynamics in CaMn0.96Mo0.04O3 manganite compound: EPR study. Journal of Applied Physics, 2008, 103, 07F720.	2.5	4
52	Comparative electron magnetic resonance study of magnetic ordering in La1â^'xCaxMnO3 (x=0.1,0.3) bulk and nanometer sized manganite crystals. Journal of Applied Physics, 2008, 103, 07F715.	2.5	8
53	Resonant and scatterometric grating-based nanophotonic structures for biosensing. Journal of Nanophotonics, 2007, 1, 011680.	1.0	11
54	Generalized kinetic equations for charge carriers in graphene. Physical Review B, 2007, 76, .	3.2	80

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55	Disorder-induced phase coexistence in bulk doped manganites and its suppression in nanometer-sized crystals: The case ofLa0.9Ca0.1MnO3. Physical Review B, 2007, 76, .	3.2	57
56	Ferromagnetic clustering and ordering in manganese deficient : An EMR probe. Journal of Magnetism and Magnetic Materials, 2007, 310, 1607-1609.	2.3	2
57	Ferromagnetic ordering in LaMn1â^'xO3 manganites: EMR probing. Journal of Magnetism and Magnetic Materials, 2007, 316, e640-e643.	2.3	5
58	Magnetic Correlations and Spin Dynamics in Crystalline La$_{1-x}$Ca$_{x}$MnO$_{3} (x = 0, 0.1, 0.2,) Tj ETQq0 0 0 rgBT /Overlock 10	2.1	18
59	Infrared Thermal Emission, Reflection, and Transmission of GaAs Periodic Microstructures. Optical Review, 2007, 14, 365-367.	2.0	1
60	Magnetic properties of crystalline La0.9Ca0.1MnO3: Comparison of bulk and nanometer-sized samples. Journal of Applied Physics, 2006, 99, 08Q305.	2.5	12
61	Ru doping of the Mn site in La0.4Ca0.6MnO3 perovskite: Electron magnetic resonance study of electronic and magnetic ordering. Journal of Applied Physics, 2006, 99, 08Q304.	2.5	2
62	Electron self-trapping at quantum and classical critical points. Annals of Physics, 2006, 321, 1762-1789.	2.8	4
63	Paramagneticâ€“ferromagnetic transition in a double-exchange model. Physica B: Condensed Matter, 2006, 378-380, 286-287.	2.7	1
64	Magnetic resonance in crystalline La0.9Ca0.1MnO3: Comparative study of bulk and nanometer-sized samples. Journal of Magnetism and Magnetic Materials, 2006, 300, 12-15.	2.3	18
65	EMR studies of La1â^'x CaxMnO3 (; 0.9) manganites with canted antiferromagnetic ground states. Journal of Magnetism and Magnetic Materials, 2006, 300, e163-e166.	2.3	2
66	Interplay between itinerant and localized states inCaMn1â^'xRuxO3(xâ©½0.5)manganites. Physical Review B, 2006, 73, .	3.2	16
67	Optical spectral properties of periodic micro- and nanostructures in Si and GaAs. , 2005, , .		0
68	Electron magnetic resonance (EMR) study of electronâ€“hole asymmetry in La1â^'xCaxMnO3 manganites (x=0.2,0.8). Journal of Magnetism and Magnetic Materials, 2005, 290-291, 910-913.	2.3	19
69	Electronic and magnetic ordering induced by Mo- and Ru doping of the Mn site in CaMnO3 perovskite: EMR probing. Journal of Applied Physics, 2005, 97, 10H704.	2.5	5
70	Electron self-trapping and the fluctuation density-of-states tail at the critical point. Physical Review B, 2005, 72, .	3.2	3
71	EMR Study of Electronic and Magnetic Ordering in Doped CaMn_{1-x,y}M_{x,y}O₃(M = Ru, Mo) Perovskites. Acta Physica Polonica A, 2005, 108, 235-242.	0.5	0
72	Zn doping of La0.91Mn0.95O3 polycrystalline manganite: transition from metallic-to insulating-like ferromagnetic ground state. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1787-1789.	2.3	1

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73	Optical Performance of Diffraction Microstructures: Design and Applications. , 2004, , .		0
74	Multi-layered grating diffraction graphical user interfaced simulation toolbox in the MATLAB environment. , 2004, , .		8
75	FMR probing of â€˜spontaneousâ€™ and Ru-doping induced ferromagnetism in Sm0.2Ca0.8Mn1â^'xRuxO3 (xâ‰0.08) manganites. Solid State Communications, 2003, 126, 395-399.	1.9	20
76	Paramagnetic-ferromagnetic transition in a double-exchange model. Physical Review B, 2003, 67, .	3.2	8
77	Model of ground state in electron-doped Ca1â^'xSmxMnO3 (0<xâ©½0.20) manganites and ferromagnetic resonance probing of â€œspontaneous ferromagnetismâ€•in Ca0.8Sm0.2MnO3. Journal of Applied Physics, 2003, 93, 8077-8079.	2.5	6
78	Comment on ÂLow-temperature transport properties of non-stoichiometric La0.95 ÂxSrxMnO3Â. Journal of Physics Condensed Matter, 2002, 14, 8755-8757.	1.8	8
79	Ferromagnetic transition in a double-exchange system containing impurities in the Dynamical Mean-Field Approximation. Europhysics Letters, 2002, 59, 277-283.	2.0	11
80	Reflection of infrared radiation from lamellar gratings on a silicon wafer: Spectroscopy of nonspecular orders. Journal of Applied Physics, 2002, 91, 939-942.	2.5	2
81	Low-temperature resistivity minima in single-crystalline and ceramic La0.8Sr0.2MnO3: Mesoscopic transport and intergranular tunneling. Journal of Applied Physics, 2001, 89, 6639-6641.	2.5	83
82	The nature of the low-temperature minimum of resistivity in ceramic manganites. Journal of Alloys and Compounds, 2001, 326, 81-84.	5.5	33
83	CPA density of states and conductivity in a double-exchange system containing impurities. European Physical Journal B, 2001, 19, 525-529.	1.5	10
84	Localization and dephasing driven by magnetic fluctuations in colossal magnetoresistance materials. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 9, 374-379.	2.7	0
85	Ferromagnetic transition in a double-exchange system with alloy disorder. Physica A: Statistical Mechanics and Its Applications, 2001, 302, 345-358.	2.6	6
86	The Nature of Low-Temperature Minimum of Resistivity in Ceramic Manganites. Materials Science Forum, 2001, 373-376, 601-604.	0.3	0
87	Optical scatterometry evaluation of groove depth in lamellar silicon grating structures. Optical Engineering, 2001, 40, 1244.	1.0	6
88	Wavenumber-modulated patterns of transmission through one- and two-dimensional gratings on a silicon substrate. Journal of Optics, 2001, 3, S190-S195.	1.5	14
89	Ferromagnetic transition in a double-exchange system containing impurities. Physical Review B, 2001, 65, .	3.2	29
90	Groove depth dependence of IR transmission spectra through silicon gratings: experiment versus theory. Infrared Physics and Technology, 2000, 41, 149-154.	2.9	5

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91	Design and analysis of low-reflection grating microstructures for a solar energy absorber. Solar Energy Materials and Solar Cells, 2000, 61, 143-151.	6.2	24
92	Low-temperature resistivity minimum in ceramic manganites. Journal of Applied Physics, 2000, 88, 2578-2582.	2.5	164
93	Variable gratings for optical switching: rigorous electromagnetic simulation and design. Optical Engineering, 1999, 38, 552.	1.0	3
94	Reflection of infrared radiation from lamellar gratings on a silicon wafer. Journal of Applied Physics, 1999, 85, 7893-7898.	2.5	10
95	Localization and dephasing driven by magnetic fluctuations in low carrier density colossal magnetoresistance materials. European Physical Journal B, 1999, 9, 373-376.	1.5	6
96	Equation of state and spin-correlation functions of ultrasmall classical Heisenberg magnets. Physical Review B, 1999, 60, 10122-10133.	3.2	54
97	IR color separation in transmission through gratings on (110) silicon: FTIR experiment versus theory. , 1999, , .		0
98	One-dimensional antireflection gratings in (100) silicon: a numerical study. Applied Optics, 1998, 37, 369.	2.1	22
99	Infrared transmission studies via lamellar gratings on Si wafer. Journal of Applied Physics, 1998, 83, 1654-1659.	2.5	6
100	Transmission of polarized infrared radiation through lamellar gratings on a silicon wafer. Journal of Applied Physics, 1998, 84, 2236-2244.	2.5	3
101	Variable gratings for optical switching: rigorous electromagnetic simulation and design. , 1998, , .		1
102	<title>Visual tool for electromagnetic simulation and design of multilayer grating structures</title>. , 1997, 3010, 90.		0
103	<title>Design and analysis of antireflection grating structure for a solar energy absorber</title>. , 1997, , .		3
104	Visual tool for electromagnetic simulation and design of multilayer grating structures. , 1997, , .		0
105	S-matrix propagation algorithm for full-vectorial electromagnetic simulation and design of gratings. , 1997, 3110, 734.		0
106	<title>Electromagnetic simulations and design of lamellar and surface-relief gratings using S-matrix propagation algorithm</title>. , 1997, , .		0
107	Long-time asymptotic of temporal-spatial coherence function for light propagation through time dependent disorder. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 228, 187-194.	2.1	0
108	Scattering-matrix propagation algorithm in full-vectorial optics of multilayer grating structures. Optics Letters, 1996, 21, 1765.	3.3	59

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109	Zero infrared reflectance anomaly in doped silicon lamellar gratings. II. Electric field amplitude distributions across the grating profile. Infrared Physics and Technology, 1996, 37, 367-377.	2.9	9
110	Zero infrared reflectance anomaly in doped silicon lamellar gratings. III. Electric field phase and energy flux distributions across the grating profile. Infrared Physics and Technology, 1996, 37, 565-573.	2.9	0
111	<title>S-matrix propagation algorithm for electromagnetics of multilayer grating structures</title>. , 1996, , .		2
112	<title>New Fourier-transform-based methods for electromagnetics of layer-grating structures</title>. , 1995, 2399, 95.		2
113	IR transmission and reflection study of lamellar silicon grating-wafer structures. Infrared Physics and Technology, 1995, 36, 639-647.	2.9	7
114	Zero infrared reflectance anomaly in doped silicon lamellar gratings. I. From antireflection to total absorption. Infrared Physics and Technology, 1995, 36, 1077-1088.	2.9	36
115	Silicon grating-based mirror for 13-Î¼m polarized beams: matlab-aided design. Applied Optics, 1995, 34, 1053.	2.1	17
116	A method for the measurement of the thermal conductivity tensor in thin layers. Thin Solid Films, 1994, 249, 245-249.	1.8	2
117	Operator approach to electromagnetic coupled-wave calculations of lamellar gratings: infrared optical properties of intrinsic silicon gratings. Applied Optics, 1994, 33, 4807.	2.1	14
118	On the calculation of alloy scattering relaxation time for ternary IIIâ€“V and IIâ€“VI semiconductors. Solid State Communications, 1993, 87, 335-339.	1.9	10
119	Thermal radiation law for a small semiconductor body. Journal of Quantitative Spectroscopy and Radiative Transfer, 1993, 49, 259-261.	2.3	2
120	Theoretical dependence of infrared absorption in bulk-doped silicon on carrier concentration. Applied Optics, 1993, 32, 1122.	2.1	8
121	<title>Dependence of IR optical properties of bulk-doped silicon on carrier concentration</title>. , 1993, 1972, 210.		1
122	Velocityâ€field relation in GaAlAs versus alloy composition. Journal of Applied Physics, 1993, 73, 7431-7434.	2.5	14
123	Free carrier contribution to dynamic dielectric function of heavily doped semiconductors. Application to nâ€type silicon. Physica Status Solidi (B): Basic Research, 1992, 174, 565-574.	1.5	6
124	Anisotropy of Magnetoresistance of the p-Type Ferromagnetic Semiconductor HgCr2Se4. Physica Status Solidi (B): Basic Research, 1990, 158, 307-317.	1.5	6
125	On the band structure and anisotropy of transport properties of ferromagnetic semiconductors CdCr2Se4 and HgCr2Se4. Solid State Communications, 1989, 69, 761-764.	1.9	25
126	Anderson Localization in Ferromagnetic Semiconductors Due to Spin Disorder I. Narrow Conduction Band. Physica Status Solidi (B): Basic Research, 1988, 147, 613-620.	1.5	32

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127	Anderson Localization in Ferromagnetic Semiconductors Due to Spin Disorder. II. Wide Conduction Band. Physica Status Solidi (B): Basic Research, 1988, 148, 289-295.	1.5	8
128	Acceptor bound magnetic polaron in cubic semimagnetic semiconductor. Solid State Communications, 1988, 67, 535-539.	1.9	2
129	Itinerant electron ferromagnetism in narrow energy bands. Journal of Physics C: Solid State Physics, 1988, 21, 5521-5537.	1.5	25
130	The damping of spin waves in dirty conducting ferromagnets due to the electron-magnon interaction. European Physical Journal B, 1985, 61, 129-134.	1.5	5
131	Density-of-states and tunneling phenomena in degenerate ferromagnetic semiconductors. Solid State Communications, 1985, 56, 701-703.	1.9	10
132	Electron states in the s-f exchange model of a ferromagnetic semiconductor in the spin-wave region. II. Degenerate semiconductors. Journal of Physics C: Solid State Physics, 1985, 18, 3533-3545.	1.5	29
133	Electron states in the s-f exchange model of a ferromagnetic semiconductor in the spin wave region. Journal of Physics C: Solid State Physics, 1984, 17, 669-681.	1.5	20
134	The spin polarization of conduction electrons in ferromagnetic semiconductors. Solid State Communications, 1984, 50, 1003-1005.	1.9	19
135	Spin waves in degenerate ferromagnetic semiconductors at low temperatures. European Physical Journal B, 1984, 56, 301-306.	1.5	15
136	Equivalence of two forms of the nonequilibrium statistical operator. Theoretical and Mathematical Physics(Russian Federation), 1984, 58, 196-202.	0.9	1
137	Longitudinal Nernst-Ettingshausen Effect in Heavily Doped EuO. Physica Status Solidi (B): Basic Research, 1984, 121, 737-741.	1.5	0
138	s-f Scattering in ferromagnetic semiconductors at low temperatures. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1983, 119, 309-320.	0.9	12
139	Dispersion and damping of acoustic magnons in a multicomponent collinear magnet at low temperatures. Theoretical and Mathematical Physics(Russian Federation), 1982, 51, 388-393.	0.9	0
140	Effective spin Hamiltonian and phase separation in the almost half-filled Hubbard model and the narrow-band s-f model. Theoretical and Mathematical Physics(Russian Federation), 1982, 51, 601-607.	0.9	5
141	The effective spin hamiltonian and phase separation instability of the almost half-filled hubbard model and the narrow-band s-Æ' model. Solid State Communications, 1982, 44, 387-389.	1.9	13
142	On the Density of States of a Broadâ€Band Ferromagnetic Semiconductor at T â‰§ T_C. Physica Status Solidi (B): Basic Research, 1982, 110, 369-377.	1.5	5
143	The asymptotics of the electron density of states in the sâ€f exchange model for a ferromagnetic semiconductor near T_C. Physica Status Solidi (B): Basic Research, 1982, 114, K147.	1.5	4
144	Magnetic susceptibility of the spin polaron states in the s-f exchange model above curie temperature. Journal of Magnetism and Magnetic Materials, 1981, 24, 117-124.	2.3	10

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145	Contribution of the heat flux of localized spins to the thermopower of a ferromagnetic semiconductor in the paramagnetic phase. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 87, 64-66.	2.1	0
146	Heating of localized spins in a magnetic semiconductor in the paramagnetic state. Physics Letters, Section A: General, Atomic and Solid State Physics, 1981, 81, 297-298.	2.1	0
147	Longitudinal static spin susceptibility of the Heisenberg ferromagnet at T < Tc. Physica A: Statistical Mechanics and Its Applications, 1980, 100, 443-451.	2.6	2
148	Interaction of a conduction electron with critical fluctuations of the spin density in the s?d exchange model of a magnetic semiconductor. Estimate of the free energy and static conductivity. Theoretical and Mathematical Physics(Russian Federation), 1980, 43, 450-457.	0.9	5
149	Energy and mobility of spin polarons in ferromagnetic semiconductors. Journal of Magnetism and Magnetic Materials, 1980, 15-18, 906-908.	2.3	2
150	Generating Functionals in Nonequilibrium Statistical Mechanics. Fortschritte Der Physik, 1979, 27, 355-402.	4.4	30
151	Critical dynamics of an impurity spin in a perromagnet above T C. Theoretical and Mathematical Physics(Russian Federation), 1979, 38, 279-284.	0.9	1
152	Critical dynamics of an impurity spin in the Heisenberg ferromagnet below T C. Theoretical and Mathematical Physics(Russian Federation), 1979, 40, 746-749.	0.9	0
153	Derivation of classical Markovian kinetic equations via generating functional technique. Physica A: Statistical Mechanics and Its Applications, 1976, 85, 71-83.	2.6	1
154	Generating functionals in the nonequilibrium statistical mechanics of a nonideal Fermi gas. Theoretical and Mathematical Physics(Russian Federation), 1975, 22, 32-44.	0.9	4
155	Generating functional for a nonequilibrium system of electrons and phonons. Theoretical and Mathematical Physics(Russian Federation), 1975, 25, 1193-1200.	0.9	3
156	Quasiinvariants of the motion and existence of the ?-limit in the nonequilibrium statistical operator method. Theoretical and Mathematical Physics(Russian Federation), 1974, 21, 1198-1207.	0.9	2