

# Mark Auslender

## List of Publications by Year in descending order

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156  
papers

1,990  
citations

304743

22  
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315739

38  
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156  
all docs

156  
docs citations

156  
times ranked

1335  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity enhancement of guided-wave surface-plasmon resonance sensors. Optics Letters, 2008, 33, 2539.	3.3	227
2	Low-temperature resistivity minimum in ceramic manganites. Journal of Applied Physics, 2000, 88, 2578-2582.	2.5	164
3	Low-temperature resistivity minima in single-crystalline and ceramic La <sub>0.8</sub> Sr <sub>0.2</sub> MnO <sub>3</sub> : Mesoscopic transport and intergranular tunneling. Journal of Applied Physics, 2001, 89, 6639-6641.	2.5	83
4	Generalized kinetic equations for charge carriers in graphene. Physical Review B, 2007, 76, .	3.2	80
5	Scattering-matrix propagation algorithm in full-vectorial optics of multilayer grating structures. Optics Letters, 1996, 21, 1765.	3.3	59
6	Disorder-induced phase coexistence in bulk doped manganites and its suppression in nanometer-sized crystals: The case of La <sub>0.9</sub> Ca <sub>0.1</sub> MnO <sub>3</sub> . Physical Review B, 2007, 76, .	3.2	57
7	Equation of state and spin-correlation functions of ultrasmall classical Heisenberg magnets. Physical Review B, 1999, 60, 10122-10133.	3.2	54
8	Theoretical and Experimental Investigation of Enhanced Transmission Through Periodic Metal Nanoslits for Sensing in Water Environment. Plasmonics, 2009, 4, 281-292.	3.4	54
9	Nanometer size effect on magnetic order in $\text{La}_{1-x}\text{Mn}_x\text{O}_3$ . Predominant influence of doped electron localization. Physical Review B, 2008, 78, .	3.2	41
10	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
11	Metal grating on a substrate nanostructure for sensor applications. Photonics and Nanostructures - Fundamentals and Applications, 2009, 7, 170-175.	2.0	35
12	The nature of the low-temperature minimum of resistivity in ceramic manganites. Journal of Alloys and Compounds, 2001, 326, 81-84.	5.5	33
13	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
14	Generating Functionals in Nonequilibrium Statistical Mechanics. Fortschritte Der Physik, 1979, 27, 355-402.	4.4	30
15	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
16	Ferromagnetic transition in a double-exchange system containing impurities. Physical Review B, 2001, 65, .	3.2	29
17	Itinerant electron ferromagnetism in narrow energy bands. Journal of Physics C: Solid State Physics, 1988, 21, 5521-5537.	1.5	25
18	On the band structure and anisotropy of transport properties of ferromagnetic semiconductors CdCr <sub>2</sub> Se <sub>4</sub> and HgCr <sub>2</sub> Se <sub>4</sub> . Solid State Communications, 1989, 69, 761-764.	1.9	25

#	ARTICLE	IF	CITATIONS
19	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
20	Inherent inhomogeneity in the crystals of low-doped lanthanum manganites. Applied Physics Letters, 2008, 92, .	3.3	24
21	Sensor with increased sensitivity based on enhanced optical transmission in the infrared. Optics Communications, 2011, 284, 1435-1438.	2.1	24
22	One-dimensional antireflection gratings in (100) silicon: a numerical study. Applied Optics, 1998, 37, 369.	2.1	22
23	Chemical disorder influence on magnetic state of optimally-doped La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . Journal of Applied Physics, 2011, 110, .	2.5	21
24	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
25	FMR probing of $\tilde{\epsilon}$ spontaneous <sup>TM</sup> and Ru-doping induced ferromagnetism in Sm <sub>0.2</sub> Ca <sub>0.8</sub> Mn <sub>1-x</sub> Ru <sub>x</sub> O <sub>3</sub> (x=0.08) manganites. Solid State Communications, 2003, 126, 395-399.	1.9	20
26	Dual-surface plasmon excitation with thin metallic nanoslits. Journal of Nanophotonics, 2011, 5, 051821.	1.0	20
27	The spin polarization of conduction electrons in ferromagnetic semiconductors. Solid State Communications, 1984, 50, 1003-1005.	1.9	19
28	Electron magnetic resonance (EMR) study of electron-hole asymmetry in La <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> manganites (x=0.2,0.8). Journal of Magnetism and Magnetic Materials, 2005, 290-291, 910-913.	2.3	19
29	Magnetic resonance in crystalline La <sub>0.9</sub> Ca <sub>0.1</sub> MnO <sub>3</sub> : Comparative study of bulk and nanometer-sized samples. Journal of Magnetism and Magnetic Materials, 2006, 300, 12-15.	2.3	18
30	Magnetic Correlations and Spin Dynamics in Crystalline La <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> (x = 0, 0.1, 0.2.) Tj ETQq0 0.0 rgBT /Overlock 18	2.1	18
31	Silicon grating-based mirror for 13-1/4m polarized beams: matlab-aided design. Applied Optics, 1995, 34, 1053.	2.1	17
32	Interplay between itinerant and localized states inCaMn <sub>1-x</sub> Ru <sub>x</sub> O <sub>3</sub> (x=1/20.5)manganites. Physical Review B, 2006, 73, .	3.2	16
33	Spin waves in degenerate ferromagnetic semiconductors at low temperatures. European Physical Journal B, 1984, 56, 301-306.	1.5	15
34	Velocity-field relation in GaAlAs versus alloy composition. Journal of Applied Physics, 1993, 73, 7431-7434.	2.5	14
35	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
36	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

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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	Thermodynamics of Paramagnetic-Ferromagnetic Phase Transition in $\{m \text{ La}_{0.7} \text{ Ca}_{0.3}\} \text{ MnO}_3$ Manganite: $\tilde{\text{Griffiths}}$ singularity versus Chemical Disorder and Lattice Effects. IEEE Transactions on Magnetics, 2010, 46, 1299-1302.	2.1	14
39	The effective spin hamiltonian and phase separation instability of the almost half-filled hubbard model and the narrow-band $s\text{-}E'$ model. Solid State Communications, 1982, 44, 387-389.	1.9	13
40	New resonant cavity-enhanced absorber structures for mid-infrared detector applications. Optical and Quantum Electronics, 2012, 44, 95-102.	3.3	13
41	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
42	$s\text{-}f$ 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
43	Magnetic properties of crystalline $\text{La}_{0.9}\text{Ca}_{0.1}\text{MnO}_3$ : Comparison of bulk and nanometer-sized samples. Journal of Applied Physics, 2006, 99, 08Q305.	2.5	12
44	Polycrystalline PbSe on a polyimide substrate. Journal of Alloys and Compounds, 2010, 501, 6-13.	5.5	12
45	Electron paramagnetic resonance study of size and nonstoichiometry effects on magnetic ordering in half-doped $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ manganite. Journal of Applied Physics, 2010, 107, 09D702.	2.5	12
46	$\tilde{\text{Griffiths}}$ phase <sup>TM</sup> versus chemical disorder in low-doped manganites: $\text{La}_{0.9}\text{Sr}_{0.1}\text{MnO}_3$ crystal revisited. Journal of Applied Physics, 2011, 109, .	2.5	12
47	PDMS Deposition for Optical Devices by Dip-Pen Nanolithography. Macromolecular Materials and Engineering, 2017, 302, 1700053.	3.6	12
48	Ferromagnetic transition in a double-exchange system containing impurities in the Dynamical Mean-Field Approximation. Europhysics Letters, 2002, 59, 277-283.	2.0	11
49	Resonant and scatterometric grating-based nanophotonic structures for biosensing. Journal of Nanophotonics, 2007, 1, 011680.	1.0	11
50	Solar cell efficiency improvement using dip-pen nanolithography. Journal of Photonics for Energy, 2017, 8, 1.	1.3	11
51	Magnetic susceptibility of the spin polaron states in the $s\text{-}f$ exchange model above curie temperature. Journal of Magnetism and Magnetic Materials, 1981, 24, 117-124.	2.3	10
52	Density-of-states and tunneling phenomena in degenerate ferromagnetic semiconductors. Solid State Communications, 1985, 56, 701-703.	1.9	10
53	On the calculation of alloy scattering relaxation time for ternary III-V and II-VI semiconductors. Solid State Communications, 1993, 87, 335-339.	1.9	10
54	Reflection of infrared radiation from lamellar gratings on a silicon wafer. Journal of Applied Physics, 1999, 85, 7893-7898.	2.5	10

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55	CPA density of states and conductivity in a double-exchange system containing impurities. European Physical Journal B, 2001, 19, 525-529.	1.5	10
56	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
57	La- and Mn-sites deficient $\text{LaMnO}_3$ as 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
58	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
59	<title>Mid-infrared photoluminescence of PbSe film structures up to room temperature</title>. , 2008, , .		9
60	Nanometer Sized Effects on Magnetic Ordering in $\text{La}^{1-x}\text{Ca}_x$ Manganites, Probed by Magnetic Resonance. Nanoscience and Nanotechnology Letters, 2011, 3, 531-540.	0.4	9
61	Novel resonant cavity-enhanced absorber structures for high-efficiency midinfrared photodetector application. Journal of Nanophotonics, 2011, 5, 051824.	1.0	9
62	Ultrathin high efficiency photodetectors based on subwavelength grating and near-field enhanced absorption. Nanoscale, 2015, 7, 5476-5479.	5.6	9
63	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
64	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
65	Theoretical dependence of infrared absorption in bulk-doped silicon on carrier concentration. Applied Optics, 1993, 32, 1122.	2.1	8
66	Comment on "Low-temperature transport properties of non-stoichiometric $\text{La}_{0.95}\text{Sr}_x\text{MnO}_3$ ". Journal of Physics Condensed Matter, 2002, 14, 8755-8757.	1.8	8
67	Paramagnetic-ferromagnetic transition in a double-exchange model. Physical Review B, 2003, 67, .	3.2	8
68	Multi-layered grating diffraction graphical user interfaced simulation toolbox in the MATLAB environment. , 2004, , .		8
69	Comparative electron magnetic resonance study of magnetic ordering in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ( $x=0.1,0.3$ ) bulk and nanometer sized manganite crystals. Journal of Applied Physics, 2008, 103, 07F715.	2.5	8
70	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
71	IR transmission and reflection study of lamellar silicon grating-wafer structures. Infrared Physics and Technology, 1995, 36, 639-647.	2.9	7
72	Mechanisms of the electron paramagnetic resonance line broadening in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ . Journal of Applied Physics, 2013, 113, 17D705.	2.5	7

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73	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
74	Anisotropy of Magnetoresistance of the p-Type Ferromagnetic Semiconductor HgCr <sub>2</sub> Se <sub>4</sub> . Physica Status Solidi (B): Basic Research, 1990, 158, 307-317.	1.5	6
75	Free carrier contribution to dynamic dielectric function of heavily doped semiconductors. Application to n-type silicon. Physica Status Solidi (B): Basic Research, 1992, 174, 565-574.	1.5	6
76	Infrared transmission studies via lamellar gratings on Si wafer. Journal of Applied Physics, 1998, 83, 1654-1659.	2.5	6
77	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
78	Ferromagnetic transition in a double-exchange system with alloy disorder. Physica A: Statistical Mechanics and Its Applications, 2001, 302, 345-358.	2.6	6
79	Optical scatterometry evaluation of groove depth in lamellar silicon grating structures. Optical Engineering, 2001, 40, 1244.	1.0	6
80	Model of ground state in electron-doped Ca <sub>1-x</sub> Sm <sub>x</sub> MnO <sub>3</sub> (0 < x < 1/2) manganites and ferromagnetic resonance probing of spontaneous ferromagnetism in Ca <sub>0.8</sub> Sm <sub>0.2</sub> MnO <sub>3</sub> . Journal of Applied Physics, 2003, 93, 8077-8079.	2.5	6
81	Specific effects of nanometer scale size on magnetic ordering in La <sub>1-x</sub> CaxMnO <sub>3</sub> (x=0.1, 0.3 and 0.6) manganites. Journal of Non-Crystalline Solids, 2008, 354, 5282-5286.	3.1	6
82	Upmost efficiency, few-micron-sized midwave infrared HgCdTe photodetectors. Applied Optics, 2019, 58, F1.	1.8	6
83	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
84	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
85	On the Density of States of a Broad-Band Ferromagnetic Semiconductor at $T \ll T_C$ . Physica Status Solidi (B): Basic Research, 1982, 110, 369-377.	1.5	5
86	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
87	Groove depth dependence of IR transmission spectra through silicon gratings: experiment versus theory. Infrared Physics and Technology, 2000, 41, 149-154.	2.9	5
88	Electronic and magnetic ordering induced by Mo- and Ru doping of the Mn site in CaMnO <sub>3</sub> perovskite: EMR probing. Journal of Applied Physics, 2005, 97, 10H704.	2.5	5
89	Ferromagnetic ordering in LaMn <sub>1-x</sub> O <sub>3</sub> manganites: EMR probing. Journal of Magnetism and Magnetic Materials, 2007, 316, e640-e643.	2.3	5
90	EMR Probing of Magnetic Ordering in $\text{Pr}_{1-x}\text{Sr}_x\text{MnO}_3$ ( $x=0.22, 0.24, 0.26$ ) Manganite Single Crystals. IEEE Transactions on Magnetics, 2008, 44, 2918-2921.	2.1	5

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91	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
92	Inverse effect of magnetostriction in magnetoelectric laminates. Applied Physics Letters, 2013, 103, 022907.	3.3	5
93	Single-Crystal Silicon: Electrical and Optical Properties. Springer Handbooks, 2017, , 1-1.	0.6	5
94	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
95	The asymptotics of the electron density of states in the $\delta$ exchange model for a ferromagnetic semiconductor near $T_C$ . Physica Status Solidi (B): Basic Research, 1982, 114, K147.	1.5	4
96	Electron self-trapping at quantum and classical critical points. Annals of Physics, 2006, 321, 1762-1789.	2.8	4
97	Magnetic correlations and spin dynamics in CaMn <sub>0.96</sub> Mo <sub>0.04</sub> O <sub>3</sub> manganite compound: EPR study. Journal of Applied Physics, 2008, 103, 07F720.	2.5	4
98	Generating functional for a nonequilibrium system of electrons and phonons. Theoretical and Mathematical Physics(Russian Federation), 1975, 25, 1193-1200.	0.9	3
99	<title>Design and analysis of antireflection grating structure for a solar energy absorber</title> . , 1997, , .		3
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. Optical Engineering, 1999, 38, 552.	1.0	3
102	Electron self-trapping and the fluctuation density-of-states tail at the critical point. Physical Review B, 2005, 72, .	3.2	3
103	Nanometric Size Effect on Magnetic Ordering in Half-doped La <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> Manganite: EPR Probing. Journal of the Korean Physical Society, 2010, 57, 1559-1562.	0.7	3
104	Quasiinvariants of the motion and existence of the $\beta$ -limit in the nonequilibrium statistical operator method. Theoretical and Mathematical Physics(Russian Federation), 1974, 21, 1198-1207.	0.9	2
105	Longitudinal static spin susceptibility of the Heisenberg ferromagnet at $T < T_c$ . Physica A: Statistical Mechanics and Its Applications, 1980, 100, 443-451.	2.6	2
106	Energy and mobility of spin polarons in ferromagnetic semiconductors. Journal of Magnetism and Magnetic Materials, 1980, 15-18, 906-908.	2.3	2
107	Acceptor bound magnetic polaron in cubic semimagnetic semiconductor. Solid State Communications, 1988, 67, 535-539.	1.9	2
108	Thermal radiation law for a small semiconductor body. Journal of Quantitative Spectroscopy and Radiative Transfer, 1993, 49, 259-261.	2.3	2

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109	A method for the measurement of the thermal conductivity tensor in thin layers. Thin Solid Films, 1994, 249, 245-249.	1.8	2
110	<title>New Fourier-transform-based methods for electromagnetics of layer-grating structures</title>. , 1995, 2399, 95.		2
111	<title>S-matrix propagation algorithm for electromagnetics of multilayer grating structures</title>. , 1996, , .		2
112	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
113	Ru doping of the Mn site in La <sub>0.4</sub> Ca <sub>0.6</sub> MnO <sub>3</sub> perovskite: Electron magnetic resonance study of electronic and magnetic ordering. Journal of Applied Physics, 2006, 99, 08Q304.	2.5	2
114	EMR studies of La <sup>x</sup> CaxMnO <sub>3</sub> (; 0.9) manganites with canted antiferromagnetic ground states. Journal of Magnetism and Magnetic Materials, 2006, 300, e163-e166.	2.3	2
115	Ferromagnetic clustering and ordering in manganese deficient : An EMR probe. Journal of Magnetism and Magnetic Materials, 2007, 310, 1607-1609.	2.3	2
116	Optical properties of silica opal templates in the infrared and visible. Optical Materials, 2008, 30, 1735-1738.	3.6	2
117	Sensitivity enhancement of guided wave surface plasmon resonance sensors using top nano dielectric layer. Proceedings of SPIE, 2008, , .	0.8	2
118	Grating-based nanophotonic structured configurations for biosensing. Proceedings of SPIE, 2008, , .	0.8	2
119	Doped electron localization: Electron paramagnetic resonance probing of La <sub>0.3</sub> Ca <sub>0.7</sub> MnO <sub>3</sub> compound. Journal of Applied Physics, 2011, 109, .	2.5	2
120	Derivation of classical Markovian kinetic equations via generating functional technique. Physica A: Statistical Mechanics and Its Applications, 1976, 85, 71-83.	2.6	1
121	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
122	Equivalence of two forms of the nonequilibrium statistical operator. Theoretical and Mathematical Physics(Russian Federation), 1984, 58, 196-202.	0.9	1
123	<title>Dependence of IR optical properties of bulk-doped silicon on carrier concentration</title>. , 1993, 1972, 210.		1
124	Variable gratings for optical switching: rigorous electromagnetic simulation and design. , 1998, , .		1
125	Zn doping of La <sub>0.91</sub> Mn <sub>0.95</sub> O <sub>3</sub> 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
126	Paramagneticâ€“ferromagnetic transition in a double-exchange model. Physica B: Condensed Matter, 2006, 378-380, 286-287.	2.7	1



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127	Infrared Thermal Emission, Reflection, and Transmission of GaAs Periodic Microstructures. <i>Optical Review</i> , 2007, 14, 365-367.	2.0	1
128	Electron Magnetic Resonance Study of Magnetic Order, Paramagnetic Magnetic Correlations, and Spin Dynamics in La- and Mn-Deficient $\text{LaMnO}_3$ Manganites. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 4348-4351.	2.1	1
129	Upmost efficiency, few-micron-sized midwave infrared HgCdTe photodetectors: erratum. <i>Applied Optics</i> , 2019, 58, 5450.	1.8	1
130	Critical dynamics of an impurity spin in the Heisenberg ferromagnet below $T_C$ . <i>Theoretical and Mathematical Physics</i> (Russian Federation), 1979, 40, 746-749.	0.9	0
131	Contribution of the heat flux of localized spins to the thermopower of a ferromagnetic semiconductor in the paramagnetic phase. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1981, 87, 64-66.	2.1	0
132	Heating of localized spins in a magnetic semiconductor in the paramagnetic state. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1981, 81, 297-298.	2.1	0
133	Dispersion and damping of acoustic magnons in a multicomponent collinear magnet at low temperatures. <i>Theoretical and Mathematical Physics</i> (Russian Federation), 1982, 51, 388-393.	0.9	0
134	Longitudinal Nernst-Ettingshausen Effect in Heavily Doped EuO. <i>Physica Status Solidi (B): Basic Research</i> , 1984, 121, 737-741.	1.5	0
135	Zero infrared reflectance anomaly in doped silicon lamellar gratings. III. Electric field phase and energy flux distributions across the grating profile. <i>Infrared Physics and Technology</i> , 1996, 37, 565-573.	2.9	0
136	<title>Visual tool for electromagnetic simulation and design of multilayer grating structures</title>. , 1997, 3010, 90.		0
137	Visual tool for electromagnetic simulation and design of multilayer grating structures. , 1997, , .		0
138	S-matrix propagation algorithm for full-vectorial electromagnetic simulation and design of gratings. , 1997, 3110, 734.		0
139	<title>Electromagnetic simulations and design of lamellar and surface-relief gratings using S-matrix propagation algorithm</title>. , 1997, , .		0
140	Long-time asymptotic of temporal-spatial coherence function for light propagation through time dependent disorder. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1997, 228, 187-194.	2.1	0
141	Localization and dephasing driven by magnetic fluctuations in colossal magnetoresistance materials. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001, 9, 374-379.	2.7	0
142	The Nature of Low-Temperature Minimum of Resistivity in Ceramic Manganites. <i>Materials Science Forum</i> , 2001, 373-376, 601-604.	0.3	0
143	Optical Performance of Diffraction Microstructures: Design and Applications. , 2004, , .		0
144	Optical spectral properties of periodic micro- and nanostructures in Si and GaAs. , 2005, , .		0

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145	Optical and polarization phase manipulation of diffraction from grating nanostructure at excited waveguide resonance. Optical Materials, 2008, 30, 1731-1734.	3.6	0
146	Influence of Technologically Driven Disorder on Spin Dynamics in $\{m \text{ La}_{0.9}\{m \text{ Ca}_{0.1}\{m \text{ MnO}_{3}\}$ Manganites in Mid-to-Far Critical Range. IEEE Transactions on Magnetics, 2012, 48, 4570-4573.	2.1	0
147	Ultrathin High Efficiency Photodetectors Based on Near Field Enhanced Optical Absorption. , 2015, , .		0
148	High sensitivity photodetectors based on nanometer scaled periodic multilayered structures. , 2016, , .		0
149	An essential enhancing the responsivity of magnetoelectric laminate sensors by an adjustment of their magnetic bias configuration. , 2017, , .		0
150	Optimization of Fabry-Perot ring resonator embedding a grating based mirror. Optical and Quantum Electronics, 2018, 50, 1.	3.3	0
151	Concurrent Inverse Effects of Magnetostriction and Piezoelectricity in Magnetoelectric-Layered Structures. IEEE Transactions on Magnetics, 2018, 54, 1-4.	2.1	0
152	Ultra-thin Silicon Photonics Meta-detector for Perfect 850-950 nm Band Tunable Absorption. , 2021, , .		0
153	Fabrication of polymeric grating layers and their integration into optoelectronic devices using dip-pen nanolithography. , 2021, , .		0
154	EMR Study of Electronic and Magnetic Ordering in Doped $\text{CaMn}_{1-x,y}\text{M}_{x,y}\text{O}_3$ (M = Ru, Mo) Perovskites. Acta Physica Polonica A, 2005, 108, 235-242.	0.5	0
155	Grating Mirror Based High Efficiency Optical Resonance Cavity: Application to IR Photodetectors. , 2010, , .		0
156	IR color separation in transmission through gratings on (110) silicon: FTIR experiment versus theory. , 1999, , .		0