

Petr I Nikitin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

149
papers

2,970
citations

31
h-index

48
g-index

169
ext. papers

3,693
ext. citations

5
avg, IF

5.38
L-index

#	Paper	IF	Citations
149	Express high-sensitive detection of ochratoxin A in food by a lateral flow immunoassay based on magnetic biolabels.. <i>Food Chemistry</i> , 2022 , 383, 132427	8.5	1
148	Direct photoacoustic measurement of silicon nanoparticle degradation promoted by a polymer coating. <i>Chemical Engineering Journal</i> , 2022 , 430, 132860	14.7	4
147	Laser Synthesized Core-Satellite Fe-Au Nanoparticles for Multimodal In Vivo Imaging and In Vitro Photothermal Therapy. <i>Pharmaceutics</i> , 2022 , 14, 994	6.4	2
146	Macrophage blockade using nature-inspired ferrihydrite for enhanced nanoparticle delivery to tumor.. <i>International Journal of Pharmaceutics</i> , 2022 , 621, 121795	6.5	0
145	Magnetofection In Vivo by Nanomagnetic Carriers Systemically Administered into the Bloodstream. <i>Pharmaceutics</i> , 2021 , 13,	6.4	2
144	Systematic Review of Cancer Targeting by Nanoparticles Revealed a Global Association between Accumulation in Tumors and Spleen. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
143	Real-time detection of ochratoxin A in wine through insight of aptamer conformation in conjunction with graphene field-effect transistor.. <i>Biosensors and Bioelectronics</i> , 2021 , 200, 113890	11.8	9
142	Nonviral Locally Injected Magnetic Vectors for In Vivo Gene Delivery: A Review of Studies on Magnetofection. <i>Nanomaterials</i> , 2021 , 11,	5.4	4
141	Rapid and Easy-to-Use Method for Accurate Characterization of Target Binding and Kinetics of Magnetic Particle Bioconjugates for Biosensing. <i>Sensors</i> , 2021 , 21,	3.8	6
140	In vivo blockade of mononuclear phagocyte system with solid nanoparticles: Efficiency and affecting factors. <i>Journal of Controlled Release</i> , 2021 , 330, 111-118	11.7	22
139	Nanobiosensing based on optically selected antibodies and superparamagnetic labels for rapid and highly sensitive quantification of polyvalent hepatitis B surface antigen. <i>Analytical Methods</i> , 2021 , 13, 2424-2433	3.2	8
138	Long-Term Fate of Magnetic Particles in Mice: A Comprehensive Study. <i>ACS Nano</i> , 2021 ,	16.7	17
137	Spectral-Phase Interferometry Detection of Ochratoxin A via Aptamer-Functionalized Graphene Coated Glass. <i>Nanomaterials</i> , 2021 , 11,	5.4	5
136	Nanomagnetic lateral flow assay for high-precision quantification of diagnostically relevant concentrations of serum TSH. <i>Talanta</i> , 2020 , 216, 120961	6.2	18
135	Enhancement of the blood-circulation time and performance of nanomedicines via the forced clearance of erythrocytes. <i>Nature Biomedical Engineering</i> , 2020 , 4, 717-731	19	54
134	Nanoparticle Beacons: Supersensitive Smart Materials with On/Off-Switchable Affinity to Biomedical Targets. <i>ACS Nano</i> , 2020 , 14, 1792-1803	16.7	26
133	Dynamic light scattering biosensing based on analyte-induced inhibition of nanoparticle aggregation. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 3423-3431	4.4	14

132	Multiplex label-free biosensor for detection of autoantibodies in human serum: Tool for new kinetics-based diagnostics of autoimmune diseases. <i>Biosensors and Bioelectronics</i> , 2020 , 159, 112187	11.8	19
131	Data on characterization of glass biochips and validation of the label-free biosensor for detection of autoantibodies in human serum. <i>Data in Brief</i> , 2020 , 30, 105648	1.2	2
130	Fast processes of nanoparticle blood clearance: Comprehensive study. <i>Journal of Controlled Release</i> , 2020 , 326, 181-191	11.7	24
129	Designing a magnetic inductive micro-electrode for virus monitoring: modelling and feasibility for hepatitis B virus. <i>Mikrochimica Acta</i> , 2020 , 187, 463	5.8	5
128	Interferometric detection of chloramphenicol via its immunochemical recognition at polymer-coated nano-corrugated surfaces. <i>Sensors and Actuators B: Chemical</i> , 2019 , 282, 984-991	8.5	13
127	Nanoparticle-based drug delivery via RBC-hitchhiking for the inhibition of lung metastases growth. <i>Nanoscale</i> , 2019 , 11, 1636-1646	7.7	81
126	Rapid lateral flow assays based on the quantification of magnetic nanoparticle labels for multiplexed immunodetection of small molecules: application to the determination of drugs of abuse. <i>Mikrochimica Acta</i> , 2019 , 186, 621	5.8	40
125	Analytical Platform with Selectable Assay Parameters Based on Three Functions of Magnetic Nanoparticles: Demonstration of Highly Sensitive Rapid Quantitation of Staphylococcal Enterotoxin B in Food. <i>Analytical Chemistry</i> , 2019 , 91, 9852-9857	7.8	24
124	Magnetometry based method for investigation of nanoparticle clearance from circulation in a liver perfusion model. <i>Nanotechnology</i> , 2019 , 30, 105101	3.4	6
123	Magnetic hybrid magnetite/metal organic framework nanoparticles: facile preparation, post-synthetic biofunctionalization and tracking in vivo with magnetic methods. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 449, 590-596	2.8	23
122	Multiplex biosensing with highly sensitive magnetic nanoparticle quantification method. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 459, 260-264	2.8	34
121	Ultrasensitive quantitative detection of small molecules with rapid lateral-flow assay based on high-affinity bifunctional ligand and magnetic nanolabels. <i>Analytica Chimica Acta</i> , 2018 , 1034, 161-167	6.6	35
120	Synthesis of Luminescent Magnetic Nanoparticles with Controllable Surface Properties 2018 ,		1
119	Ultrasensitive detection enabled by nonlinear magnetization of nanomagnetic labels. <i>Nanoscale</i> , 2018 , 10, 11642-11650	7.7	40
118	Development and label-free investigation of logic-gating biolayers for smart biosensing. <i>Sensors and Actuators B: Chemical</i> , 2018 , 257, 971-979	8.5	18
117	Data on characterization and validation of assays for ultrasensitive quantitative detection of small molecules: Determination of free thyroxine with magnetic and interferometric methods. <i>Data in Brief</i> , 2018 , 21, 1603-1611	1.2	0
116	Volumetric registration of magnetic nanoparticles for optimization of quantitative immunochromatographic assays for detection of small molecules. <i>EPJ Web of Conferences</i> , 2018 , 185, 10006	0.3	1
115	Advanced Smart Nanomaterials with Integrated Logic-Gating and Biocomputing: Dawn of Theranostic Nanorobots. <i>Chemical Reviews</i> , 2018 , 118, 10294-10348	68.1	90

114	Highly reproducible and sensitive detection of mycotoxins by label-free biosensors. <i>Sensors and Actuators B: Chemical</i> , 2017 , 246, 1080-1084	8.5	35
113	Surface plasmon resonance as a tool for investigation of non-covalent nanoparticle interactions in heterogeneous self-assembly & disassembly systems. <i>Biosensors and Bioelectronics</i> , 2017 , 88, 3-8	11.8	31
112	Synthesis and Characterization of Hybrid Core-Shell Fe ₃ O ₄ /SiO ₂ Nanoparticles for Biomedical Applications. <i>Acta Naturae</i> , 2017 , 9, 58-65	2.1	7
111	Synthesis and Characterization of Hybrid Core-Shell Fe ₃ O ₄ /SiO ₂ Nanoparticles for Biomedical Applications. <i>Acta Naturae</i> , 2017 , 9, 58-65	2.1	2
110	Synthesis of magnetic silica nanomarkers with controlled physicochemical properties. <i>Doklady Biochemistry and Biophysics</i> , 2016 , 470, 335-337	0.8	
109	Rapid dry-reagent immunomagnetic biosensing platform based on volumetric detection of nanoparticles on 3D structures. <i>Biosensors and Bioelectronics</i> , 2016 , 79, 423-9	11.8	57
108	MPQ-cytometry: a magnetism-based method for quantification of nanoparticle-cell interactions. <i>Nanoscale</i> , 2016 , 8, 12764-72	7.7	39
107	Multiplex Biosensing Based on Highly Sensitive Magnetic Nanolabel Quantification: Rapid Detection of Botulinum Neurotoxins A, B, and E in Liquids. <i>Analytical Chemistry</i> , 2016 , 88, 10419-10426	7.8	62
106	Combined Photodynamic Thermochemotherapy of Glial Tumors Controlled by MRI and Electronic Sensor. <i>Solid State Phenomena</i> , 2015 , 233-234, 757-760	0.4	
105	Direct immunosensing by spectral correlation interferometry: assay characteristics versus antibody immobilization chemistry. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 3955-64	4.4	20
104	A comprehensive study of interactions between lectins and glycoproteins for the development of effective theranostic nanoagents. <i>Doklady Biochemistry and Biophysics</i> , 2015 , 464, 315-8	0.8	10
103	A new real-time method for investigation of affinity properties and binding kinetics of magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 380, 231-235	2.8	26
102	Complexes of magnetic nanoparticles and scFv antibodies for targeting and visualizing cancer cells 2015 ,		2
101	Generation and delivery of nanoaerosols from biological and biologically active substances. <i>Journal of Aerosol Science</i> , 2014 , 69, 48-61	4.3	23
100	Biocomputing based on particle disassembly. <i>Nature Nanotechnology</i> , 2014 , 9, 716-22	28.7	97
99	Development of immunoassays using interferometric real-time registration of their kinetics. <i>Acta Naturae</i> , 2014 , 6, 85-95	2.1	3
98	Development of Immunoassays Using Interferometric Real-Time Registration of Their Kinetics. <i>Acta Naturae</i> , 2014 , 6, 85-95	2.1	13
97	Magnetic immunoassay for detection of staphylococcal toxins in complex media. <i>Analytical Chemistry</i> , 2013 , 85, 1154-63	7.8	67

96	Detection of pyrethroids by spectral correlation interferometry. <i>Applied Biochemistry and Microbiology</i> , 2013 , 49, 306-311	1.1	10
95	Binding of mucin to water-soluble and surface-grafted boronate-containing polymers. <i>Polymer Science - Series A</i> , 2012 , 54, 1-10	1.2	12
94	Magneto-hydrodynamic Thermochemotherapy and MRI of Malignant Tumorigenesis. <i>Solid State Phenomena</i> , 2012 , 190, 717-720	0.4	3
93	Inhibitor of inflammation, peptide fragment (65-76) of monocyte chemotactic protein-1 (MCP-1), inhibits binding of MCP-1 to heparin. <i>Biochemistry (Moscow) Supplement Series A: Membrane and Cell Biology</i> , 2011 , 5, 29-36	0.7	
92	Synthetic peptide fragment (65-76) of monocyte chemotactic protein-1 (MCP-1) inhibits MCP-1 binding to heparin and possesses anti-inflammatory activity in stable angina patients after coronary stenting. <i>Inflammation Research</i> , 2011 , 60, 955-64	7.2	12
91	Reversible conformational transitions of a polymer brush containing boronic acid and its interaction with mucin glycoprotein. <i>Macromolecular Bioscience</i> , 2011 , 11, 275-84	5.5	22
90	Effect of the C-terminal domain peptide fragment (65-76) of monocytic chemotactic protein-1 (MCP-1) on the interaction between MCP-1 and heparin. <i>Doklady Biological Sciences</i> , 2010 , 433, 289-92	0.9	2
89	Non-Invasive in vivo Mapping and Long-Term Monitoring of Magnetic Nanoparticles in Different Organs of Animals 2010 ,		6
88	Antitumor effects of the combination of magneto-hydrodynamic thermochemotherapy and magnetic resonance tomography. <i>Pharmaceutical Chemistry Journal</i> , 2010 , 44, 291-295	0.9	9
87	Highly sensitive room-temperature method of non-invasive in vivo detection of magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 1658-1661	2.8	31
86	Quantitative real-time in vivo detection of magnetic nanoparticles by their nonlinear magnetization. <i>Journal of Applied Physics</i> , 2008 , 103, 07A304	2.5	36
85	Picoscopes, New Label-Free Biosensors 2008 ,		2
84	New type of biosensor based on magnetic nanoparticle detection. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 311, 445-449	2.8	148
83	Optical picoscopes: new opportunities for biosensing and for molecular technologies 2007 ,		2
82	Magnetic Immunoassays. <i>Sensor Letters</i> , 2007 , 5, 296-299	0.9	40
81	Innovative analytical system for screening on lectins. <i>Biosensors and Bioelectronics</i> , 2006 , 22, 28-34	11.8	9
80	Synthesis of polymer magnetic microspheres for immunomagneto-metric assay. <i>Polymer Science - Series A</i> , 2006 , 48, 353-358	1.2	5
79	Picoscope, a new label-free biosensor. <i>Sensors and Actuators B: Chemical</i> , 2005 , 111-112, 500-504	8.5	25

78	ZnO-based semimagnetic semiconductors: growth and magnetism aspects. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004 , 109, 196-199	3.1	18
77	Magneto-Optical Study of Diluted Magnetic Semiconductor Nanostructures Prepared by Pulsed Laser Deposition. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003 , 16, 465-468		
76	Optical and magneto-optical study of CdTe crystals doped with rare earth ions. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003 , 105, 161-164	3.1	10
75	Magnetic field sensors based on thin film multi-layer structures. <i>Sensors and Actuators A: Physical</i> , 2003 , 106, 26-29	3.9	7
74	Epitaxial yttrium iron garnet film as an active medium of an even-harmonic magnetic field transducer. <i>Sensors and Actuators A: Physical</i> , 2003 , 106, 270-273	3.9	25
73	New direct optical biosensors for multi-analyte detection. <i>Sensors and Actuators B: Chemical</i> , 2003 , 90, 46-51	8.5	28
72	Giant Faraday Rotation in CdTe Spin-Doped with Rare Earth Ions. <i>Physica Status Solidi (B): Basic Research</i> , 2002 , 229, 787-790	1.3	8
71	Platelet-shaped nanoparticles of PbI ₂ and PbMnI ₂ embedded in polymer matrix. <i>Materials Science and Engineering C</i> , 2002 , 19, 59-62	8.3	10
70	Multichannel optical biosensors for label-free high-throughput screening 2002 , 4578, 126		2
69	Giant magnetoresistance of semimagnetic semiconductors and applications for magnetic field sensors. <i>Sensors and Actuators A: Physical</i> , 2001 , 91, 173-176	3.9	2
68	Magneto-optical characterization of magnetic photorefractive semiconductors. <i>Optical Materials</i> , 2001 , 18, 147-149	3.3	
67	Technological aspects of fabrication of semimagnetic semiconductor nanocrystals. <i>Materials Science and Engineering C</i> , 2001 , 15, 79-81	8.3	6
66	Surface plasmon resonance interferometry for micro-array biosensing. <i>Sensors and Actuators A: Physical</i> , 2000 , 85, 189-193	3.9	109
65	Spin-tunneling magnetoresistive sensors. <i>Sensors and Actuators A: Physical</i> , 2000 , 85, 221-226	3.9	7
64	Sandwiched thin-film structures for the magnetoresistive spin-tunnelling sensors. <i>Sensors and Actuators A: Physical</i> , 2000 , 81, 57-59	3.9	1
63	Growth and investigation of ZnHgMnTe crystals for magnetic field sensors. <i>Sensors and Actuators A: Physical</i> , 2000 , 81, 240-243	3.9	1
62	Laser and sputter-deposited amorphous films for stress detection. <i>Sensors and Actuators A: Physical</i> , 2000 , 81, 254-257	3.9	5
61	Dark-field surface plasmon resonance microscopy. <i>Optics Communications</i> , 2000 , 174, 151-155	2	39

60	Spectral-phase interference method for detecting biochemical reactions on a surface. <i>Quantum Electronics</i> , 2000 , 30, 1099-1104	1.8	34
59	Phase jump under surface plasmon resonance and its use for biosensing and microscopy 1999 ,		1
58	Surface plasmon resonance interferometry for biological and chemical sensing. <i>Sensors and Actuators B: Chemical</i> , 1999 , 54, 43-50	8.5	126
57	Surface plasmon resonance bio- and chemical sensors with phase-polarisation contrast. <i>Sensors and Actuators B: Chemical</i> , 1999 , 54, 51-56	8.5	43
56	Enhancement of magneto-optical effects in ZnHgMnTe solid solutions. <i>Journal of Crystal Growth</i> , 1999 , 197, 698-701	1.6	3
55	Phase jumps and interferometric surface plasmon resonance imaging. <i>Applied Physics Letters</i> , 1999 , 75, 3917-3919	3.4	120
54	Ferromagnetic liquid droplets. <i>JETP Letters</i> , 1998 , 67, 723-726	1.2	5
53	The detection of phenols in water using a surface plasmon resonance system with specific receptors. <i>Sensors and Actuators B: Chemical</i> , 1998 , 51, 305-310	8.5	27
52	Surface plasmon resonance interferometer for bio- and chemical-sensors. <i>Optics Communications</i> , 1998 , 150, 5-8	2	153
51	Two-dimensional and zero-dimensional structures of semimagnetic semiconductors prepared by pulsed laser deposition. <i>Thin Solid Films</i> , 1998 , 336, 176-178	2.2	10
50	Deposition of thin ferromagnetic films for application in magnetic sensor microsystems. <i>Sensors and Actuators A: Physical</i> , 1998 , 68, 442-446	3.9	11
49	Phase-polarisation contrast for surface plasmon resonance biosensors. <i>Biosensors and Bioelectronics</i> , 1998 , 13, 1263-9	11.8	40
48	Spatial features of laser deposition of amorphous Co [Fe B Si] magnetic films in an inhomogeneous magnetic field. <i>Quantum Electronics</i> , 1998 , 28, 78-80	1.8	4
47	Experimental study of spontaneous electric field generated by a laser plasma. <i>Applied Physics Letters</i> , 1998 , 73, 25-27	3.4	38
46	Faraday effect in CdMnTe nanocrystals grown by the laser deposition method. <i>Quantum Electronics</i> , 1998 , 28, 561-563	1.8	6
45	Electric fields of a laser plasma formed by optical breakdown of air near various targets. <i>Quantum Electronics</i> , 1998 , 28, 24-28	1.8	12
44	Visualisation of the angular dependence of the reflected-radiation phase under conditions of a surface-plasmon resonance and its sensor applications. <i>Quantum Electronics</i> , 1998 , 28, 835-839	1.8	12
43	Evidence of ferromagnetic behavior of small liquid droplets produced from amorphous alloys by laser ablation. <i>Applied Physics Letters</i> , 1998 , 72, 3455-3457	3.4	4

42	Phase properties of a surface-plasmon resonance from the viewpoint of sensor applications. <i>Quantum Electronics</i> , 1998 , 28, 444-448	1.8	31
41	Electric fields of a laser spark produced by radiation with various parameters. <i>Quantum Electronics</i> , 1997 , 27, 536-541	1.8	16
40	Space-time structure of the magnetic field of a laser plasma and methods for its enhancement outside the plasma. <i>Physical Review E</i> , 1997 , 55, 3393-3399	2.4	3
39	Silicon-based surface plasmon resonance combined with surface-enhanced Raman scattering for chemical sensing. <i>Review of Scientific Instruments</i> , 1997 , 68, 2554-2557	1.7	10
38	Nonlinear magnetic stochastic resonance: Noise-strength-constant-force diagrams. <i>Physical Review E</i> , 1997 , 56, 6400-6409	2.4	37
37	Interferometer based on a surface-plasmon resonance for sensor applications. <i>Quantum Electronics</i> , 1997 , 27, 653-654	1.8	70
36	Amorphous magnetic films produced by pulsed laser deposition. <i>Journal of Applied Physics</i> , 1997 , 82, 1408-1415	2.5	32
35	Detection of nitrogen dioxide by means of a gold film in a surface-plasmon resonance scheme. <i>Technical Physics Letters</i> , 1997 , 23, 920-922	0.7	2
34	Frequency mixing in a bistable system in the presence of noise. <i>Journal of Experimental and Theoretical Physics</i> , 1997 , 85, 343-350	1	24
33	Observation of stochastic resonance in a monostable magnetic system. <i>JETP Letters</i> , 1997 , 65, 828-832	1.2	5
32	A new technique for high frequency sub-threshold magnetic field sensing in nanometer scale based upon magnetostochastic resonance. <i>Sensors and Actuators A: Physical</i> , 1997 , 59, 277-279	3.9	3
31	Faraday effect in thin amorphous magnetic films. <i>Sensors and Actuators A: Physical</i> , 1997 , 59, 323-326	3.9	6
30	Silicon-based surface plasmon resonance chemical sensors. <i>Sensors and Actuators B: Chemical</i> , 1997 , 38, 53-57	8.5	14
29	Laser synthesis and magneto-optics of thin films of amorphous magnetics. <i>Quantum Electronics</i> , 1996 , 26, 375-376	1.8	8
28	Frequency mixing phenomena in a bistable system. <i>Journal of Applied Physics</i> , 1996 , 79, 6113	2.5	16
27	Study of biochemical reactions in thin organic films by means of evanescent optical wave. <i>Applied Surface Science</i> , 1996 , 92, 426-430	6.7	8
26	Magnetostochastic resonance as a new method for investigations of surface and thin film magnetism. <i>Applied Surface Science</i> , 1996 , 92, 466-470	6.7	10
25	Electromagnetic diagnostics during pulsed laser deposition. <i>Applied Surface Science</i> , 1996 , 96-98, 139-148.	7	2

24	New method of magnetic field and current generation outside laser plasma. <i>Applied Physics Letters</i> , 1996 , 68, 173-175	3.4	5
23	Pesticide sensing by surface-plasmon resonance 1995 ,		2
22	Optoelectrical gas sensors based on surface plasmon resonance in Si-structure 1995 ,		1
21	. <i>IEEE Transactions on Magnetics</i> , 1995 , 31, 2491-2493	2	16
20	Smart integrated transducer for an optoelectronic (bio-) chemical sensor 1994 , 2361, 375		
19	Experimental observation of magnetostochastic resonance. <i>Journal of Applied Physics</i> , 1994 , 76, 6335-6337		34
18	A multi-purpose sensor based on surface plasmon polariton resonance in a Schottky structure. <i>Sensors and Actuators A: Physical</i> , 1994 , 42, 547-552	3.9	14
17	. <i>IEEE Transactions on Magnetics</i> , 1993 , 29, 3399-3401	2	7
16	. <i>IEEE Transactions on Magnetics</i> , 1993 , 29, 3422-3424	2	6
15	Anisotropic Faraday Rotation of Cubic Semimagnetic Semiconductor Cd _{1-x} FexTe. <i>Japanese Journal of Applied Physics</i> , 1993 , 32, 393	1.4	1
14	. <i>IEEE Transactions on Magnetics</i> , 1992 , 28, 3246-3248	2	7
13	Magnetic-field sensors for non-disturbing and wide-band measurements. <i>Sensors and Actuators A: Physical</i> , 1992 , 32, 671-677	3.9	2
12	Magnetic field fibre-optical sensors based on Faraday effect. <i>Sensors and Actuators A: Physical</i> , 1991 , 27, 767-774	3.9	12
11	Thermoelectric phenomena in metals under large temperature gradients. <i>Journal of Applied Physics</i> , 1991 , 69, 3375-3377	2.5	7
10	Fiber optic magnetic field sensors based on Faraday effect in new materials 1991 ,		4
9	Metallic thin-film diffraction grating as a new type of radiation detector. <i>Sensors and Actuators A: Physical</i> , 1990 , 22, 498-502	3.9	4
8	New aspect of giant exciton Faraday rotation in Cd _{1-x} Mnx Te semimagnetic compound: Fundamentals and applications. <i>Sensors and Actuators A: Physical</i> , 1990 , 23, 875-878	3.9	12
7	The Faraday effect in semimagnetic semiconductors. <i>Uspekhi Fizicheskikh Nauk</i> , 1990 , 33, 974-989		38

- 6 Laser-plasma generation of currents along a conductive target. *Journal of Applied Physics*, **1990**, 68, 3140-3146⁷
- 5 Two-dimensional treatment of nonlinear thermoelectricity in homogeneous metals. *Physical Review B*, **1990**, 42, 7405-7408 3.3 10
- 4 The Faraday effect in semimagnetic semiconductors. *Uspekhi Fizicheskikh Nauk*, **1990**, 160, 167 0.5 10
- 3 Fire ball formation and evolution in the case of low-threshold optical breakdown plasma generation in ambient gases in front of various solid samples. *Journal of Applied Physics*, **1989**, 66, 5204-5215¹¹
- 2 Synthesis of sheet conductive layers on the surface of some insulator ceramics (TiO₂, ZrO₂, HfO₂) by multipulse CO₂-laser irradiation in an ammonia atmosphere. *Journal of Applied Physics*, **1989**, 66, 3682-3687⁴
- 1 Investigation of currents accompanying optical breakdown in air near a conducting target. *Soviet Journal of Quantum Electronics*, **1981**, 11, 923-928 6