

Petr I Nikitin

List of Publications by Year in descending order

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166
papers

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169
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169
docs citations

169
times ranked

2895
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct photoacoustic measurement of silicon nanoparticle degradation promoted by a polymer coating. <i>Chemical Engineering Journal</i> , 2022, 430, 132860.	12.7	14
2	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> , 2022, 200, 113890.	10.1	41
3	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.	8.2	27
4	Multiplex Label-Free Kinetic Characterization of Antibodies for Rapid Sensitive Cardiac Troponin I Detection Based on Functionalized Magnetic Nanotags. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4474.	4.1	13
5	Highly Sensitive Nanomagnetic Quantification of Extracellular Vesicles by Immunochromatographic Strips: A Tool for Liquid Biopsy. <i>Nanomaterials</i> , 2022, 12, 1579.	4.1	14
6	Laser Synthesized Core-Satellite Fe-Au Nanoparticles for Multimodal In Vivo Imaging and In Vitro Photothermal Therapy. <i>Pharmaceutics</i> , 2022, 14, 994.	4.5	17
7	Macrophage blockade using nature-inspired ferrihydrite for enhanced nanoparticle delivery to tumor. <i>International Journal of Pharmaceutics</i> , 2022, 621, 121795.	5.2	4
8	In vivo blockade of mononuclear phagocyte system with solid nanoparticles: Efficiency and affecting factors. <i>Journal of Controlled Release</i> , 2021, 330, 111-118.	9.9	44
9	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.	2.7	19
10	Nonviral Locally Injected Magnetic Vectors for In Vivo Gene Delivery: A Review of Studies on Magnetofection. <i>Nanomaterials</i> , 2021, 11, 1078.	4.1	13
11	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, 2802.	3.8	17
12	Long-Term Fate of Magnetic Particles in Mice: A Comprehensive Study. <i>ACS Nano</i> , 2021, 15, 11341-11357.	14.6	50
13	Spectral-Phase Interferometry Detection of Ochratoxin A via Aptamer-Functionalized Graphene Coated Glass. <i>Nanomaterials</i> , 2021, 11, 226.	4.1	13
14	Magnetofection In Vivo by Nanomagnetic Carriers Systemically Administered into the Bloodstream. <i>Pharmaceutics</i> , 2021, 13, 1927.	4.5	11
15	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, 13011.	4.1	24
16	Fast processes of nanoparticle blood clearance: Comprehensive study. <i>Journal of Controlled Release</i> , 2020, 326, 181-191.	9.9	46
17	Designing a magnetic inductive micro-electrode for virus monitoring: modelling and feasibility for hepatitis B virus. <i>Mikrochimica Acta</i> , 2020, 187, 463.	5.0	6
18	Nanomagnetic lateral flow assay for high-precision quantification of diagnostically relevant concentrations of serum TSH. <i>Talanta</i> , 2020, 216, 120961.	5.5	36

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19	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.	22.5	103
20	Nanoparticle Beacons: Supersensitive Smart Materials with On/Off-Switchable Affinity to Biomedical Targets. <i>ACS Nano</i> , 2020, 14, 1792-1803.	14.6	53
21	Dynamic light scattering biosensing based on analyte-induced inhibition of nanoparticle aggregation. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3423-3431.	3.7	23
22	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.	10.1	38
23	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.	1.0	4
24	Biosensing and Theranostics Using Functionalized Magnetic and Plasmonic Nanoparticles. , 2020, , .		0
25	Development of Rapid Multiparametric Methods of Molecular Biosensing for Early Diagnostics and Monitoring of Oncology Diseases. , 2020, , .		0
26	Multi-parameter label-free biosensing with self-assembled smart bilayers that transform each sensing channel into a multiplex channel. , 2020, , .		0
27	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.	5.0	67
28	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.	6.5	45
29	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.	7.8	21
30	Nanoparticle-based drug delivery via RBC-hitchhiking for the inhibition of lung metastases growth. <i>Nanoscale</i> , 2019, 11, 1636-1646.	5.6	126
31	Magnetometry based method for investigation of nanoparticle clearance from circulation in a liver perfusion model. <i>Nanotechnology</i> , 2019, 30, 105101.	2.6	14
32	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.	2.3	36
33	Multiplex biosensing with highly sensitive magnetic nanoparticle quantification method. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 459, 260-264.	2.3	51
34	Development and label-free investigation of logic-gating bilayers for smart biosensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 971-979.	7.8	25
35	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.	1.0	5
36	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	4

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37	Advanced Smart Nanomaterials with Integrated Logic-Gating and Biocomputing: Dawn of Theranostic Nanorobots. <i>Chemical Reviews</i> , 2018, 118, 10294-10348.	47.7	136
38	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.	5.4	48
39	Synthesis of Luminescent Magnetic Nanoparticles with Controllable Surface Properties. , 2018, , .		5
40	Intelligent Nanoparticle-Based Agents for Biomedical Applications: Rapid Design Using a Lateral Flow Assay. , 2018, , .		2
41	Highly sensitive optical methods for life-science applications. , 2018, , .		0
42	Real-Time Optical Methods for Development of Nanoparticle-Based Biosensors for Detection of Hepatitis B Surface Antigen. , 2018, , .		0
43	Designing a Capacitive Immunosensor for Detection of Hepatitis B Surface Antigen. , 2018, , .		0
44	Ultrasensitive detection enabled by nonlinear magnetization of nanomagnetic labels. <i>Nanoscale</i> , 2018, 10, 11642-11650.	5.6	48
45	Highly reproducible and sensitive detection of mycotoxins by label-free biosensors. <i>Sensors and Actuators B: Chemical</i> , 2017, 246, 1080-1084.	7.8	42
46	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.	10.1	41
47	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.	1.7	2
48	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.	1.7	8
49	MPQ-cytometry: a magnetism-based method for quantification of nanoparticle-cell interactions. <i>Nanoscale</i> , 2016, 8, 12764-12772.	5.6	48
50	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.	6.5	76
51	Lectin-based nanoagents for specific cell labelling and optical visualization. , 2016, , .		0
52	Optical method for studying self-assembly of various nanoparticles in liquids. , 2016, , .		0
53	Near infrared luminescent-magnetic nanoparticles for bimodal imaging in vivo. , 2016, , .		0
54	Synthesis of magnetic silica nanomarkers with controlled physicochemical properties. <i>Doklady Biochemistry and Biophysics</i> , 2016, 470, 335-337.	0.9	0

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55	Rapid dry-reagent immunomagnetic biosensing platform based on volumetric detection of nanoparticles on 3D structures. <i>Biosensors and Bioelectronics</i> , 2016, 79, 423-429.	10.1	70
56	Complexes of magnetic nanoparticles and scFv antibodies for targeting and visualizing cancer cells. , 2015, , .		3
57	Direct immunosensing by spectral correlation interferometry: assay characteristics versus antibody immobilization chemistry. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 3955-3964.	3.7	31
58	A comprehensive study of interactions between lectins and glycoproteins for the development of effective theranostic nanoagents. <i>Doklady Biochemistry and Biophysics</i> , 2015, 464, 315-318.	0.9	14
59	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.	2.3	39
60	Generation and delivery of nanoaerosols from biological and biologically active substances. <i>Journal of Aerosol Science</i> , 2014, 69, 48-61.	3.8	33
61	Biosensors based on spectral correlation interferometry for biomedical research and diagnostics. , 2014, , .		0
62	Biocomputing based on particle disassembly. <i>Nature Nanotechnology</i> , 2014, 9, 716-722.	31.5	132
63	Development of Immunoassays Using Interferometric Real-Time Registration of Their Kinetics. <i>Acta Naturae</i> , 2014, 6, 85-95.	1.7	22
64	Development of immunoassays using interferometric real-time registration of their kinetics. <i>Acta Naturae</i> , 2014, 6, 85-95.	1.7	5
65	Magnetic Immunoassay for Detection of Staphylococcal Toxins in Complex Media. <i>Analytical Chemistry</i> , 2013, 85, 1154-1163.	6.5	77
66	Detection of pyrethroids by spectral correlation interferometry. <i>Applied Biochemistry and Microbiology</i> , 2013, 49, 306-311.	0.9	23
67	Magneto-hydrodynamic Thermochemotherapy and MRI of Malignant Tumorigenesis. <i>Solid State Phenomena</i> , 2012, 190, 717-720.	0.3	3
68	Binding of mucin to water-soluble and surface-grafted boronate-containing polymers. <i>Polymer Science - Series A</i> , 2012, 54, 1-10.	1.0	14
69	Inhibitor of inflammation, peptide fragment (65â€“76) of monocyte chemoattractant 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.	0.6	0
70	Synthetic peptide fragment (65â€“76) of monocyte chemoattractant 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, 955-964.	4.0	15
71	Reversible Conformational Transitions of a Polymer Brush Containing Boronic Acid and its Interaction with Mucin Glycoprotein. <i>Macromolecular Bioscience</i> , 2011, 11, 275-284.	4.1	31
72	Antitumor effects of the combination of magneto-hydrodynamic thermochemotherapy and magnetic resonance tomography. <i>Pharmaceutical Chemistry Journal</i> , 2010, 44, 291-295.	0.8	9

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73	Effect of the C-terminal domain peptide fragment (65â€“76) of monocytic chemotactic protein-1 (MCP-1) on the interaction between MCP-1 and heparin. Doklady Biological Sciences, 2010, 433, 289-292.	0.6	6
74	MRI-Adaptive Magneto-Thermo-Chemotherapy for Improved Cancer Treatment. , 2010, , .		1
75	Non-Invasive in vivo Mapping and Long-Term Monitoring of Magnetic Nanoparticles in Different Organs of Animals. , 2010, , .		6
76	Highly sensitive room-temperature method of non-invasive in vivo detection of magnetic nanoparticles. Journal of Magnetism and Magnetic Materials, 2009, 321, 1658-1661.	2.3	42
77	Quantitative real-time in vivo detection of magnetic nanoparticles by their nonlinear magnetization. Journal of Applied Physics, 2008, 103, 07A304.	2.5	43
78	Optical picoscopes: new opportunities for biosensing and for molecular technologies. Proceedings of SPIE, 2007, , .	0.8	2
79	New type of biosensor based on magnetic nanoparticle detection. Journal of Magnetism and Magnetic Materials, 2007, 311, 445-449.	2.3	174
80	Magnetic Immunoassays. Sensor Letters, 2007, 5, 296-299.	0.4	50
81	Novel Static Criterion for Magnetic Sensor Film Saturation. Sensor Letters, 2007, 5, 189-191.	0.4	0
82	Synthesis of polymer magnetic microspheres for immunomagneto-metric assay. Polymer Science - Series A, 2006, 48, 353-358.	1.0	6
83	Innovative analytical system for screening on lectins. Biosensors and Bioelectronics, 2006, 22, 28-34.	10.1	10
84	Picoscope, a new label-free biosensor. Sensors and Actuators B: Chemical, 2005, 111-112, 500-504.	7.8	33
85	ZnO-based semimagnetic semiconductors: growth and magnetism aspects. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 109, 196-199.	3.5	20
86	Title is missing!. Journal of Superconductivity and Novel Magnetism, 2003, 16, 465-468.	0.5	0
87	Optical and magneto-optical study of CdTe crystals doped with rare earth ions. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 105, 161-164.	3.5	12
88	Magnetic field sensors based on thin film multi-layer structures. Sensors and Actuators A: Physical, 2003, 106, 26-29.	4.1	7
89	Epitaxial yttrium iron garnet film as an active medium of an even-harmonic magnetic field transducer. Sensors and Actuators A: Physical, 2003, 106, 270-273.	4.1	31
90	New direct optical biosensors for multi-analyte detection. Sensors and Actuators B: Chemical, 2003, 90, 46-51.	7.8	43

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91	<title>Multichannel optical biosensors for label-free high-throughput screening</title>. , 2002, 4578, 126.		4
92	Giant Faraday Rotation in CdTe Spin-Doped with Rare Earth Ions. Physica Status Solidi (B): Basic Research, 2002, 229, 787-790.	1.5	8
93	Platelet-shaped nanoparticles of Pbl ₂ and PbMnI ₂ embedded in polymer matrix. Materials Science and Engineering C, 2002, 19, 59-62.	7.3	13
94	Giant magnetoresistance of semimagnetic semiconductors and applications for magnetic field sensors. Sensors and Actuators A: Physical, 2001, 91, 173-176.	4.1	3
95	Magneto-optical characterization of magnetic photorefractive semiconductors. Optical Materials, 2001, 18, 147-149.	3.6	0
96	Technological aspects of fabrication of semimagnetic semiconductor nanocrystals. Materials Science and Engineering C, 2001, 15, 79-81.	7.3	6
97	Surface plasmon resonance interferometry for micro-array biosensing. Sensors and Actuators A: Physical, 2000, 85, 189-193.	4.1	130
98	Spin-tunneling magnetoresistive sensors. Sensors and Actuators A: Physical, 2000, 85, 221-226.	4.1	11
99	Sandwiched thin-film structures for the magnetoresistive spin-tunnelling sensors. Sensors and Actuators A: Physical, 2000, 81, 57-59.	4.1	1
100	Growth and investigation of ZnHgMnTe crystals for magnetic field sensors. Sensors and Actuators A: Physical, 2000, 81, 240-243.	4.1	1
101	Laser and sputter-deposited amorphous films for stress detection. Sensors and Actuators A: Physical, 2000, 81, 254-257.	4.1	5
102	Dark-field surface plasmon resonance microscopy. Optics Communications, 2000, 174, 151-155.	2.1	45
103	Spectral-phase interference method for detecting biochemical reactions on a surface. Quantum Electronics, 2000, 30, 1099-1104.	1.0	45
104	Novel peptide matrix for immobilization of biomolecules for surface plasmon resonance sensing. , 1999, , .		0
105	<title>Phase jump under surface plasmon resonance and its use for biosensing and microscopy</title>. , 1999, , .		1
106	Surface plasmon resonance interferometry for biological and chemical sensing. Sensors and Actuators B: Chemical, 1999, 54, 43-50.	7.8	145
107	Surface plasmon resonance bio- and chemical sensors with phase-polarisation contrast. Sensors and Actuators B: Chemical, 1999, 54, 51-56.	7.8	52
108	Enhancement of magneto-optical effects in ZnHgMnTe solid solutions. Journal of Crystal Growth, 1999, 197, 698-701.	1.5	4

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109	Phase jumps and interferometric surface plasmon resonance imaging. Applied Physics Letters, 1999, 75, 3917-3919.	3.3	149
110	Ferromagnetic liquid droplets. JETP Letters, 1998, 67, 723-726.	1.4	5
111	The detection of phenols in water using a surface plasmon resonance system with specific receptors. Sensors and Actuators B: Chemical, 1998, 51, 305-310.	7.8	38
112	Surface plasmon resonance interferometer for bio- and chemical-sensors. Optics Communications, 1998, 150, 5-8.	2.1	186
113	Two-dimensional and zero-dimensional structures of semimagnetic semiconductors prepared by pulsed laser deposition. Thin Solid Films, 1998, 336, 176-178.	1.8	12
114	Deposition of thin ferromagnetic films for application in magnetic sensor microsystems. Sensors and Actuators A: Physical, 1998, 68, 442-446.	4.1	13
115	Phase-polarisation contrast for surface plasmon resonance biosensors1This paper was presented at the Fifth World Congress on Biosensors, Berlin, Germany, 3â€“5 June 1998.1. Biosensors and Bioelectronics, 1998, 13, 1263-1269.	10.1	49
116	Spatial features of laser deposition of amorphous Co â€” Fe â€” B â€” Si magnetic films in an inhomogeneous magnetic field. Quantum Electronics, 1998, 28, 78-80.	1.0	4
117	Experimental study of spontaneous electric field generated by a laser plasma. Applied Physics Letters, 1998, 73, 25-27.	3.3	50
118	Faraday effect in CdMnTe nanocrystals grown by the laser deposition method. Quantum Electronics, 1998, 28, 561-563.	1.0	6
119	Electric fields of a laser plasma formed by optical breakdown of air near various targets. Quantum Electronics, 1998, 28, 24-28.	1.0	14
120	Visualisation of the angular dependence of the reflected-radiation phase under conditions of a surface-plasmon resonance and its sensor applications. Quantum Electronics, 1998, 28, 835-839.	1.0	13
121	Evidence of ferromagnetic behavior of small liquid droplets produced from amorphous alloys by laser ablation. Applied Physics Letters, 1998, 72, 3455-3457.	3.3	6
122	Phase properties of a surface-plasmon resonance from the viewpoint of sensor applications. Quantum Electronics, 1998, 28, 444-448.	1.0	41
123	Electric fields of a laser spark produced by radiation with various parameters. Quantum Electronics, 1997, 27, 536-541.	1.0	19
124	Space-time structure of the magnetic field of a laser plasma and methods for its enhancement outside the plasma. Physical Review E, 1997, 55, 3393-3399.	2.1	4
125	Silicon-based surface plasmon resonance combined with surface-enhanced Raman scattering for chemical sensing. Review of Scientific Instruments, 1997, 68, 2554-2557.	1.3	11
126	Nonlinear magnetic stochastic resonance: Noise-strengthâ€“constant-force diagrams. Physical Review E, 1997, 56, 6400-6409.	2.1	40

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127	Interferometer based on a surface-plasmon resonance for sensor applications. Quantum Electronics, 1997, 27, 653-654.	1.0	88
128	Amorphous magnetic films produced by pulsed laser deposition. Journal of Applied Physics, 1997, 82, 1408-1415.	2.5	34
129	Detection of nitrogen dioxide by means of a gold film in a surface-plasmon resonance scheme. Technical Physics Letters, 1997, 23, 920-922.	0.7	2
130	Frequency mixing in a bistable system in the presence of noise. Journal of Experimental and Theoretical Physics, 1997, 85, 343-350.	0.9	31
131	Observation of stochastic resonance in a monostable magnetic system. JETP Letters, 1997, 65, 828-832.	1.4	5
132	A new technique for high frequency sub-threshold magnetic field sensing in nanometer scale based upon magnetostochastic resonance. Sensors and Actuators A: Physical, 1997, 59, 277-279.	4.1	3
133	Faraday effect in thin amorphous magnetic films. Sensors and Actuators A: Physical, 1997, 59, 323-326.	4.1	6
134	Silicon-based surface plasmon resonance chemical sensors. Sensors and Actuators B: Chemical, 1997, 38, 53-57.	7.8	20
135	Frequency mixing phenomena in a bistable system. Journal of Applied Physics, 1996, 79, 6113.	2.5	18
136	Study of biochemical reactions in thin organic films by means of evanescent optical wave. Applied Surface Science, 1996, 92, 426-430.	6.1	8
137	Magnetostochastic resonance as a new method for investigations of surface and thin film magnetism. Applied Surface Science, 1996, 92, 466-470.	6.1	10
138	Electromagnetic diagnostics during pulsed laser deposition. Applied Surface Science, 1996, 96-98, 139-143.	6.1	2
139	New method of magnetic field and current generation outside laser plasma. Applied Physics Letters, 1996, 68, 173-175.	3.3	7
140	Laser synthesis and magneto-optics of thin films of amorphous magnetics. Quantum Electronics, 1996, 26, 375-376.	1.0	9
141	Stochastic resonance in a bistable magnetic system. IEEE Transactions on Magnetics, 1995, 31, 2491-2493.	2.1	19
142	<title>Pesticide sensing by surface-plasmon resonance</title>. , 1995, , .		3
143	<title>Optoelectronic gas sensors based on surface plasmon resonance in Si-structure</title>. Proceedings of SPIE, 1995, , .	0.8	1
144	<title>Smart integrated transducer for an optoelectronic (bio-) chemical sensor</title>. , 1994, 2361, 375.		0

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145	Experimental observation of magnetostochastic resonance. Journal of Applied Physics, 1994, 76, 6335-6337.	2.5	37
146	A multi-purpose sensor based on surface plasmon polariton resonance in a Schottky structure. Sensors and Actuators A: Physical, 1994, 42, 547-552.	4.1	18
147	Magneto-optical effects induced by exchange interaction in diluted magnetic semiconductors. IEEE Transactions on Magnetics, 1993, 29, 3399-3401.	2.1	7
148	The Faraday effect in dilute magnetic semiconductors in ultrahigh magnetic field. IEEE Transactions on Magnetics, 1993, 29, 3422-3424.	2.1	6
149	New Multinary Semimagnetic Semiconductors for Faraday Rotation Magnetic Field Sensors. Japanese Journal of Applied Physics, 1993, 32, 375.	1.5	4
150	Anisotropic Faraday Rotation of Cubic Semimagnetic Semiconductor $Cd_{1-x}Fe_xTe$. Japanese Journal of Applied Physics, 1993, 32, 393.	1.5	2
151	Faraday rotation in Fe-based semimagnetic semiconductors. IEEE Transactions on Magnetics, 1992, 28, 3246-3248.	2.1	8
152	Magnetic-field sensors for non-disturbing and wide-band measurements. Sensors and Actuators A: Physical, 1992, 32, 671-677.	4.1	3
153	Fiber optic magnetic field sensors based on Faraday effect in new materials. , 1991, , .		7
154	Magnetic field fibre-optical sensors based on Faraday effect. Sensors and Actuators A: Physical, 1991, 27, 767-774.	4.1	13
155	Thermoelectric phenomena in metals under large temperature gradients. Journal of Applied Physics, 1991, 69, 3375-3377.	2.5	9
156	Fiber-optical magnetic field sensors based on Faraday effect in new materials. , 1991, , .		0
157	Metallic thin-film diffraction grating as a new type of radiation detector. Sensors and Actuators A: Physical, 1990, 22, 498-502.	4.1	4
158	New aspect of giant exciton Faraday rotation in $Cd_{1-x}Mn_xTe$ semimagnetic compound: Fundamentals and applications. Sensors and Actuators A: Physical, 1990, 23, 875-878.	4.1	19
159	The Faraday effect in semimagnetic semiconductors. Uspekhi Fizicheskikh Nauk, 1990, 33, 974-989.	0.3	48
160	Laser-plasma generation of currents along a conductive target. Journal of Applied Physics, 1990, 68, 3140-3146.	2.5	10
161	Two-dimensional treatment of nonlinear thermoelectricity in homogeneous metals. Physical Review B, 1990, 42, 7405-7408.	3.2	11
162	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, 5204-5215.	2.5	14

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163	Synthesis of sheet conductive layers on the surface of some insulator ceramics (TiO ₂ , ZrO ₂ , HfO ₂) by multipulse CO ₂ laser irradiation in an ammonia atmosphere. Journal of Applied Physics, 1989, 66, 3682-3687.	2.5	5
164	Probe investigations of a surface plasma created by a train of nanosecond CO ₂ laser pulses. Soviet Journal of Quantum Electronics, 1989, 19, 535-537.	0.1	1
165	Investigation of currents accompanying optical breakdown in air near a conducting target. Soviet Journal of Quantum Electronics, 1981, 11, 923-928.	0.1	16
166	Combined Photodynamic Thermochemotherapy of Glioma Tumors Controlled by MRI and Electronic Sensor. Solid State Phenomena, 0, 233-234, 757-760.	0.3	0