

Andrei Kabashin

List of Publications by Year in descending order

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Version: 2024-02-01

161
papers

10,549
citations

41627

51
h-index

36203

101
g-index

162
all docs

162
docs citations

162
times ranked

11944
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.	6.6	14
2	Genetically encoded BRET-activated photodynamic therapy for the treatment of deep-seated tumors. <i>Light: Science and Applications</i> , 2022, 11, 38.	7.7	26
3	Laser-Ablative Synthesis of Ultrapure Magneto-Plasmonic Core-Satellite Nanocomposites for Biomedical Applications. <i>Nanomaterials</i> , 2022, 12, 649.	1.9	16
4	Laser synthesis of nanomaterials for nuclear nanomedicine. , 2022, , .		0
5	Laser-ablative synthesis and photoheating characterization of TiN NPs for biomedical applications. , 2022, , .		0
6	Transforming Nuclear Medicine with Nanoradiopharmaceuticals. <i>ACS Nano</i> , 2022, 16, 5036-5061.	7.3	30
7	Laser Synthesized Core-Satellite Fe-Au Nanoparticles for Multimodal In Vivo Imaging and In Vitro Photothermal Therapy. <i>Pharmaceutics</i> , 2022, 14, 994.	2.0	17
8	Synthesis of Titanium Nitride Nanoparticles by Pulsed Laser Ablation in Different Aqueous and Organic Solutions. <i>Nanomaterials</i> , 2022, 12, 1672.	1.9	10
9	Laser-ablative aqueous synthesis and characterization of elemental boron nanoparticles for biomedical applications. <i>Scientific Reports</i> , 2022, 12, .	1.6	14
10	Laser-synthesized TiN nanoparticles for biomedical applications: Evaluation of safety, biodistribution and pharmacokinetics. <i>Materials Science and Engineering C</i> , 2021, 120, 111717.	3.8	44
11	Laser Ablation-Assisted Synthesis of Plasmonic Si@Au Core-Satellite Nanocomposites for Biomedical Applications. <i>Nanomaterials</i> , 2021, 11, 592.	1.9	17
12	Smart Electrospun Hybrid Nanofibers Functionalized with Ligand-Free Titanium Nitride (TiN) Nanoparticles for Tissue Engineering. <i>Nanomaterials</i> , 2021, 11, 519.	1.9	11
13	Effect of Oxygen on Colloidal Stability of Titanium Nitride Nanoparticles Synthesized by Laser Ablation in Liquids. <i>Bulletin of the Lebedev Physics Institute</i> , 2021, 48, 216-220.	0.1	3
14	Comparison of pharmacokinetics and biodistribution of laser-synthesized plasmonic Au and TiN nanoparticles. <i>Journal of Physics: Conference Series</i> , 2021, 2058, 012004.	0.3	2
15	Plasmonic Si@Au core-satellite nanoparticles prepared by laser-assisted synthesis for photothermal therapy. <i>Journal of Physics: Conference Series</i> , 2021, 2058, 012008.	0.3	0
16	Laser-ablative synthesis of stable size-tunable Bi nanoparticles and their functionalization for radiotherapy applications. <i>Journal of Physics: Conference Series</i> , 2021, 2058, 012010.	0.3	0
17	Bare laser-synthesized plasmonic Au and TiN nanoparticles as functional additives to polymer nanofiber platforms for tissue engineering applications. <i>Journal of Physics: Conference Series</i> , 2021, 2058, 012002.	0.3	1
18	Novel advanced nanotechnologies for nuclear medicine. <i>Journal of Physics: Conference Series</i> , 2021, 2058, 012035.	0.3	1

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19	Temperature oscillations during photoinduced heating of aqueous suspensions of silicon nanoparticles. <i>Journal of Physics: Conference Series</i> , 2021, 2058, 012032.	0.3	0
20	Morphology and photoluminescence properties of silicon nanoparticles deposited in helium-nitrogen mixtures maintained at low residual pressures. <i>Journal of Physics: Conference Series</i> , 2021, 2058, 012011.	0.3	1
21	Tungsten disulfide nanoparticles produced by femtosecond laser ablation in water for nanophotonic applications. <i>Journal of Physics: Conference Series</i> , 2021, 2015, 012155.	0.3	0
22	Numerical Investigation of Ultrashort Laser-Ablative Synthesis of Metal Nanoparticles in Liquids Using the Atomistic-Continuum Model. <i>Molecules</i> , 2020, 25, 67.	1.7	13
23	Laser-Ablative Synthesis of Stable Aqueous Solutions of Elemental Bismuth Nanoparticles for Multimodal Theranostic Applications. <i>Nanomaterials</i> , 2020, 10, 1463.	1.9	33
24	Bare laser-synthesized palladium-gold alloy nanoparticles as efficient electrocatalysts for glucose oxidation for energy conversion applications. <i>Catalysis Science and Technology</i> , 2020, 10, 7955-7964.	2.1	9
25	Dual Regioselective Targeting the Same Receptor in Nanoparticle-Mediated Combination Immuno/Chemotherapy for Enhanced Image-Guided Cancer Treatment. <i>ACS Nano</i> , 2020, 14, 12781-12795.	7.3	43
26	Laser-Ablative Synthesis of Isotope-Enriched Samarium Oxide Nanoparticles for Nuclear Nanomedicine. <i>Nanomaterials</i> , 2020, 10, 69.	1.9	13
27	Tailoring Photoluminescence from Si-Based Nanocrystals Prepared by Pulsed Laser Ablation in He-N ₂ Gas Mixtures. <i>Molecules</i> , 2020, 25, 440.	1.7	8
28	Nonlinear photoacoustic response of suspensions of laser-synthesized plasmonic titanium nitride nanoparticles. <i>Optics Letters</i> , 2020, 45, 6695.	1.7	10
29	High-Order Harmonic Generation in Au Nanoparticle-Contained Plasmas. <i>Nanomaterials</i> , 2020, 10, 234.	1.9	10
30	Acoustic detection of nanoparticle structural stability in physiological media after their laser irradiation. , 2020, , .		0
31	Fabrication of Stable Nanofiber Matrices for Tissue Engineering via Electrospinning of Bare Laser-Synthesized Au Nanoparticles in Solutions of High Molecular Weight Chitosan. <i>Nanomaterials</i> , 2019, 9, 1058.	1.9	13
32	Laser-Processed Nanosilicon: A Multifunctional Nanomaterial for Energy and Healthcare. <i>ACS Nano</i> , 2019, 13, 9841-9867.	7.3	90
33	In vivo evaluation of safety, biodistribution and pharmacokinetics of laser-synthesized gold nanoparticles. <i>Scientific Reports</i> , 2019, 9, 12890.	1.6	174
34	Phase-Responsive Fourier Nanotransducers for Probing 2D Materials and Functional Interfaces. <i>Advanced Functional Materials</i> , 2019, 29, 1902692.	7.8	18
35	Bi-Modal Nonlinear Optical Contrast from Si Nanoparticles for Cancer Theranostics. <i>Advanced Optical Materials</i> , 2019, 7, 1801728.	3.6	32
36	⁶⁸ Ga-adsorption on the Si-nanoparticles. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 487, 012026.	0.3	4

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37	Laser- synthesized TiN nanoparticles as promising plasmonic alternative for biomedical applications. Scientific Reports, 2019, 9, 1194.	1.6	85
38	Nuclear nanomedicine using Si nanoparticles as safe and effective carriers of ¹⁸⁸ Re radionuclide for cancer therapy. Scientific Reports, 2019, 9, 2017.	1.6	53
39	Femtosecond laser-ablative synthesis of plasmonic Au and TiN nanoparticles for biomedical applications. , 2019, , .		1
40	In-situ temperature monitoring with photoacoustics during photothermal therapy and perspectives for glioblastoma treatment monitoring. , 2019, , .		1
41	Laser-ablative synthesis of aggregation-induced enhanced emission luminophore dyes in aqueous solutions. , 2019, , .		1
42	Bare laser-synthesized Au-based nanoparticles as nondisturbing surface-enhanced Raman scattering probes for bacteria identification. Journal of Biophotonics, 2018, 11, e201700225.	1.1	42
43	Ultra-narrow surface lattice resonances in plasmonic metamaterial arrays for biosensing applications. Biosensors and Bioelectronics, 2018, 104, 102-112.	5.3	103
44	Fabrication of thin ZnO films with wide-range tuned optical properties by reactive magnetron sputtering. Semiconductor Science and Technology, 2018, 33, 025004.	1.0	2
45	Electrospun PEO/Chitosan Nanofibers Templated with Gold Nanoparticles Prepared with Laser and Wet Synthesis. , 2018, , .		2
46	Organic Solvent and Surfactant Free Fluorescent Organic Nanoparticles by Laser Ablation of Aggregation-Induced Enhanced Emission Dyes. Advanced Optical Materials, 2018, 6, 1800164.	3.6	17
47	Recent Advances in Laser-Ablative Synthesis of Bare Au and Si Nanoparticles and Assessment of Their Prospects for Tissue Engineering Applications. International Journal of Molecular Sciences, 2018, 19, 1563.	1.8	34
48	Plasmonic Surface Lattice Resonances: A Review of Properties and Applications. Chemical Reviews, 2018, 118, 5912-5951.	23.0	931
49	Cavitation-Free Continuous-Wave Laser Ablation from a Solid Target to Synthesize Low-Size-Dispersed Gold Nanoparticles. ChemPhysChem, 2017, 18, 1185-1191.	1.0	11
50	Phase singularities in 3D plasmonic crystal metamaterials for ultra-sensitive biosensing. Proceedings of SPIE, 2017, , .	0.8	0
51	Influence of oxidation state on water solubility of Si nanoparticles prepared by laser ablation in water. , 2017, , .		2
52	Surface-enhanced Raman spectroscopy for identification and discrimination of beverage spoilage yeasts using patterned substrates and gold nanoparticles. Journal of Food Engineering, 2017, 212, 47-54.	2.7	24
53	Surface enhanced infrared absorption spectroscopy based on gold nanostars and spherical nanoparticles. Analytica Chimica Acta, 2017, 990, 141-149.	2.6	45
54	Toward multifunctional hybrid platforms for tissue engineering based on chitosan(PEO) nanofibers functionalized by bare laser-synthesized Au and Si nanoparticles. RSC Advances, 2017, 7, 31759-31766.	1.7	27

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55	3D plasmonic metamaterials for enhanced spectral sensitivity of optical nanosensors. , 2017, , .		0
56	Photoluminescence properties of silicon nanocrystals grown by nanosecond laser ablation of solid-state targets in an inert gas atmosphere. Bulletin of the Lebedev Physics Institute, 2017, 44, 353-356.	0.1	1
57	Patterning of photoluminescent nanostructured spots on silicon by air optical breakdown processing. , 2017, , .		0
58	Ultrapure laser-synthesized Si-based nanomaterials for biomedical applications: in vivo assessment of safety and biodistribution. Scientific Reports, 2016, 6, 25400.	1.6	80
59	Laser-synthesized oxide-passivated bright Si quantum dots for bioimaging. Scientific Reports, 2016, 6, 24732.	1.6	70
60	Gas-assisted electron-beam-induced nanopatterning of high-quality titanium oxide. Nanotechnology, 2016, 27, 115304.	1.3	5
61	What theranostic applications could ultrapure laser-synthesized Si nanoparticles have in cancer?. Nanomedicine, 2016, 11, 2247-2250.	1.7	45
62	3D plasmonic crystal metamaterials for ultra-sensitive biosensing. Scientific Reports, 2016, 6, 25380.	1.6	66
63	Ultrapure laser-synthesized Si nanoparticles with variable oxidation states for biomedical applications. Journal of Materials Chemistry B, 2016, 4, 7852-7858.	2.9	60
64	Detection of <i>Listeria innocua</i> on roll-to-roll produced SERS substrates with gold nanoparticles. RSC Advances, 2016, 6, 62981-62989.	1.7	23
65	Phase-sensitive plasmonics biosensors: from bulk to nanoscale architectures and novel functionalities. Proceedings of SPIE, 2016, , .	0.8	4
66	Structural properties of gold-silicon nanohybrids formed by femtosecond laser ablation in water at different fluences. Proceedings of SPIE, 2016, , .	0.8	5
67	Modeling of heat release in aqueous suspensions of solid-state nanoparticles under electromagnetic radio-frequency irradiation. , 2016, , .		2
68	Si nanoparticles as sensitizers for radio frequency-induced cancer hyperthermia. Proceedings of SPIE, 2016, , .	0.8	2
69	Laser ablative nanostructuring of Au in liquid ambience in continuous wave illumination regime. Proceedings of SPIE, 2016, , .	0.8	0
70	Grapheneâ€“Gold Metasurface Architectures for Ultrasensitive Plasmonic Biosensing. Advanced Materials, 2015, 27, 6163-6169.	11.1	262
71	Light-Tunable Plasmonic Nanoarchitectures Using Gold Nanoparticleâ€“Azobenzene-Containing Cationic Surfactant Complexes. Journal of Physical Chemistry C, 2015, 119, 3762-3770.	1.5	27
72	Size-controllable synthesis of bare gold nanoparticles by femtosecond laser fragmentation in water. Nanotechnology, 2015, 26, 065601.	1.3	88

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73	Thermal Cis-to-Trans Isomerization of Azobenzene-Containing Molecules Enhanced by Gold Nanoparticles: An Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17369-17377.	1.5	52
74	Advanced Electrocatalysts on the Basis of Bare Au Nanomaterials for Biofuel Cell Applications. <i>ACS Catalysis</i> , 2015, 5, 6489-6496.	5.5	72
75	Gold nanoparticles prepared by laser ablation in aqueous biocompatible solutions: assessment of safety and biological identity for nanomedicine applications. <i>International Journal of Nanomedicine</i> , 2014, 9, 5415.	3.3	68
76	Nanocomposites composed of P3HT:PCBM and nanoparticles synthesized by laser ablation of a bulk PbS target in liquid. <i>Colloid and Polymer Science</i> , 2014, 292, 3347-3354.	1.0	2
77	Laser-ablative engineering of phase singularities in plasmonic metamaterial arrays for biosensing applications. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	30
78	Gas-assisted electron-beam-induced nanopatterning of high-quality Si-based insulator. <i>Nanotechnology</i> , 2014, 25, 155301.	1.3	14
79	Radio frequency radiation-induced hyperthermia using Si nanoparticle-based sensitizers for mild cancer therapy. <i>Scientific Reports</i> , 2014, 4, 7034.	1.6	150
80	Singular phase nano-optics in plasmonic metamaterials for label-free single-molecule detection. <i>Nature Materials</i> , 2013, 12, 304-309.	13.3	382
81	Femtosecond laser fragmentation from water-dispersed microcolloids: toward fast controllable growth of ultrapure Si-based nanomaterials for biological applications. <i>Journal of Materials Chemistry B</i> , 2013, 1, 2489.	2.9	79
82	Particle-free inkjet printing of nanostructured porous indium tin oxide thin films. <i>RSC Advances</i> , 2013, 3, 19501.	1.7	27
83	Ultra-pure, water-dispersed Au nanoparticles produced by femtosecond laser ablation and fragmentation. <i>International Journal of Nanomedicine</i> , 2013, 8, 2601.	3.3	19
84	Plasmonic resonances in diffractive arrays of gold nanoantennas: near and far field effects. <i>Optics Express</i> , 2012, 20, 27941.	1.7	89
85	Phase-sensitive surface plasmon resonance biosensors: methodology, instrumentation and applications. <i>Annalen Der Physik</i> , 2012, 524, 637-662.	0.9	113
86	Nanofabrication with pulsed lasers. , 2011, , .		0
87	Nanofabrication with Pulsed Lasers. <i>Nanoscale Research Letters</i> , 2010, 5, 454-463.	3.1	136
88	Self-noise-filtering phase-sensitive surface plasmon resonance biosensing. <i>Optics Express</i> , 2010, 18, 14353.	1.7	35
89	Sensitivity of collective plasmon modes of gold nanoresonators to local environment. <i>Optics Letters</i> , 2010, 35, 956.	1.7	145
90	Silicon nanoparticles produced by femtosecond laser ablation in water as novel contamination-free photosensitizers. <i>Journal of Biomedical Optics</i> , 2009, 14, 021010.	1.4	79

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91	Plasmonic nanorod metamaterials for biosensing. Nature Materials, 2009, 8, 867-871.	13.3	1,529
92	Spectral, amplitude and phase sensitivity of a plasmonic gas sensor in a metallic photonic crystal slab geometry: Comparison of the near and far field phase detection strategies. Sensors and Actuators B: Chemical, 2009, 143, 76-86.	4.0	17
93	Laser ablation-based methods for nanostructuring of materials. Laser Physics, 2009, 19, 1136-1141.	0.6	19
94	Designing efficient zero calibration point for phase-sensitive surface plasmon resonance biosensing. Optics Express, 2009, 17, 2255.	1.7	19
95	Silicon based total internal reflection bio and chemical sensing with spectral phase detection. Optics Express, 2009, 17, 20847.	1.7	11
96	Phase and amplitude sensitivities in surface plasmon resonance bio and chemical sensing. Optics Express, 2009, 17, 21191.	1.7	243
97	Synthesis of Size-Tunable Polymer-Protected Gold Nanoparticles by Femtosecond Laser-Based Ablation and Seed Growth. Journal of Physical Chemistry C, 2009, 113, 9526-9531.	1.5	99
98	Spectral, amplitude and phase sensitivity of a plasmonic gas sensor in a metallic photonic crystal slab geometry. , 2009, , .		0
99	Ultrafast laser based "green" synthesis of non-toxic nanoparticles in aqueous solutions. Applied Physics A: Materials Science and Processing, 2008, 93, 955-959.	1.1	106
100	Laser-assisted local patterning of ZnO-based spots for mirror-less lasing. Applied Physics A: Materials Science and Processing, 2008, 93, 1011-1014.	1.1	3
101	Phase-sensitive spatially-modulated surface plasmon resonance polarimetry for detection of biomolecular interactions. Sensors and Actuators B: Chemical, 2008, 133, 628-631.	4.0	30
102	Surface plasmon resonance polarizator for biosensing and imaging. Optics Communications, 2008, 281, 5492-5496.	1.0	10
103	Photonic Crystal Fiber and Waveguide-Based Surface Plasmon Resonance Sensors for Application in the Visible and Near-IR. Electromagnetics, 2008, 28, 198-213.	0.3	53
104	Mechanical modulation method for ultrasensitive phase measurements in photonics biosensing. Optics Express, 2008, 16, 21305.	1.7	31
105	Phase interrogation of a planar integrated refractive index sensor. , 2008, , .		0
106	Synthesis of efficient ZnO-based random lasing medium using laser-induced air breakdown processing. Applied Physics Letters, 2007, 91, 201101.	1.5	14
107	Phase-sensitive time-modulated surface plasmon resonance polarimetry for wide dynamic range biosensing. Optics Express, 2007, 15, 1745.	1.7	101
108	Boundary integral method for the challenging problems in bandgap guiding, plasmonics and sensing. Optics Express, 2007, 15, 10231.	1.7	21

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109	Photonic bandgap fiber-based Surface Plasmon Resonance sensors. Optics Express, 2007, 15, 11413.	1.7	252
110	Phase-sensitive silicon-based total internal reflection sensor. Optics Express, 2007, 15, 12523.	1.7	26
111	Properties of nanostructured Ge produced by laser-induced air breakdown processing. Journal of Applied Physics, 2007, 101, 054311.	1.1	7
112	Femtosecond laser ablation in aqueous solutions: a novel method to synthesize non-toxic metal colloids with controllable size. Journal of Physics: Conference Series, 2007, 59, 354-359.	0.3	55
113	Wide dynamic range phase-sensitive surface plasmon resonance biosensor based on measuring the modulation harmonics. Biosensors and Bioelectronics, 2007, 23, 627-632.	5.3	57
114	Properties of nanoparticles generated during femtosecond laser machining in air and water. Applied Physics A: Materials Science and Processing, 2007, 87, 47-55.	1.1	189
115	Two-step femtosecond laser ablation-based method for the synthesis of stable and ultra-pure gold nanoparticles in water. Applied Physics A: Materials Science and Processing, 2007, 88, 269-272.	1.1	88
116	Fragmentation of colloidal nanoparticles by femtosecond laser-induced supercontinuum generation. Applied Physics Letters, 2006, 89, 233122.	1.5	107
117	Characterization of high refractive index semiconductor films by surface plasmon resonance. Applied Optics, 2006, 45, 6640.	2.1	9
118	Laser ablation-based synthesis of functionalized colloidal nanomaterials in biocompatible solutions. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 182, 330-334.	2.0	40
119	Photon crystal waveguide-based surface plasmon resonance biosensor. Applied Physics Letters, 2006, 89, 143518.	1.5	97
120	Influence of ambient medium on femtosecond laser processing of silicon. Applied Surface Science, 2005, 247, 163-168.	3.1	64
121	Near-infrared surface plasmon resonance sensing on a Si platform with nanoparticle-based signal enhancement. Optical Materials, 2005, 27, 1093-1096.	1.7	19
122	Femtosecond laser ablation of gold in water: influence of the laser-produced plasma on the nanoparticle size distribution. Applied Physics A: Materials Science and Processing, 2005, 80, 753-758.	1.1	179
123	Fabrication of functionalized gold nanoparticles by femtosecond laser ablation in aqueous solutions of biopolymers. , 2005, , .		2
124	Surface modifications during femtosecond laser ablation in vacuum, air, and water. , 2004, 5578, 554.		7
125	Optical breakdown processing: Influence of the ambient gas on the properties of the nanostructured Si-based layers formed. Journal of Applied Physics, 2004, 95, 5722-5728.	1.1	14
126	Laser ablation-based nanofabrication in aqueous solutions. Materials Research Society Symposia Proceedings, 2004, 850, 186.	0.1	2

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127	On efficiency of surface-plasmon-resonance-based absorption sensing with different absorbent materials. , 2004, 5327, 102.		0
128	Sensing properties of surface plasmon resonance in different multilayer Si-based structures. , 2004, , .		0
129	Near-infrared surface plasmon resonance sensing on a silicon platform. Sensors and Actuators B: Chemical, 2004, 97, 409-414.	4.0	58
130	Stabilization and Size Control of Gold Nanoparticles during Laser Ablation in Aqueous Cyclodextrins. Journal of the American Chemical Society, 2004, 126, 7176-7177.	6.6	335
131	Surface Chemistry of Gold Nanoparticles Produced by Laser Ablation in Aqueous Media. Journal of Physical Chemistry B, 2004, 108, 16864-16869.	1.2	564
132	Nanoparticle size reduction during laser ablation in aqueous solutions of cyclodextrins. , 2004, , .		16
133	Laser-assisted methods for nanofabrication. , 2004, , .		2
134	Laser-induced treatment of silicon in air and formation of Si/SiO _x photoluminescent nanostructured layers. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 101, 60-64.	1.7	52
135	Fabrication and Characterization of Gold Nanoparticles by Femtosecond Laser Ablation in an Aqueous Solution of Cyclodextrins. Journal of Physical Chemistry B, 2003, 107, 4527-4531.	1.2	232
136	Multi-layer Si-Based Surface Plasmon Resonance Structure for Absorption Sensing. Analytical Letters, 2003, 36, 3261-3270.	1.0	6
137	Silicon-based surface plasmon resonance sensing with two surface plasmon polariton modes. Applied Optics, 2003, 42, 6905.	2.1	52
138	Properties and sensing characteristics of surface-plasmon resonance in infrared light. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2003, 20, 1644.	0.8	84
139	Synthesis of colloidal nanoparticles during femtosecond laser ablation of gold in water. Journal of Applied Physics, 2003, 94, 7941.	1.1	464
140	Processing of metals and semiconductors by a femtosecond laser-based microfabrication system. , 2003, , .		23
141	Porous nanostructured layers on germanium produced by laser optical breakdown processing. , 2003, , .		1
142	Surface plasmon resonance sensor with silicon-based prism coupling. , 2003, , .		3
143	Visible photoluminescence from nanostructured Si-based layers produced by air optical breakdown on silicon. Applied Physics Letters, 2003, 82, 1619-1621.	1.5	53
144	Femtosecond laser ablation of gold in aqueous biocompatible solutions to produce colloidal gold nanoparticles. , 2003, , .		4

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145	Correlation between photoluminescence properties and morphology of laser-ablated Si/SiO _x nanostructured films. <i>Journal of Applied Physics</i> , 2002, 91, 3248-3254.	1.1	72
146	<title>Variable porous structure of laser-ablated silicon nanocluster films and its influence on photoluminescence properties</title>. , 2002, , .		1
147	<title>Air optical breakdown on silicon as a novel method to fabricate photoluminescent Si-based nanostructures</title>. , 2002, 4636, 59.		2
148	Fabrication of photoluminescent Si-based layers by air optical breakdown near the silicon surface. <i>Applied Surface Science</i> , 2002, 186, 578-582.	3.1	25
149	Photoluminescence characterization of Si-based nanostructured films produced by pulsed laser ablation. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2001, 19, 2217.	1.6	39
150	Effects of deposition and post-fabrication conditions on photoluminescent properties of nanostructured Si/SiO _x films prepared by laser ablation. <i>Applied Surface Science</i> , 2000, 168, 328-331.	3.1	23
151	Surface plasmon resonance bio- and chemical sensors with phase-polarisation contrast. <i>Sensors and Actuators B: Chemical</i> , 1999, 54, 51-56.	4.0	52
152	Phase jumps and interferometric surface plasmon resonance imaging. <i>Applied Physics Letters</i> , 1999, 75, 3917-3919.	1.5	149
153	Surface plasmon resonance interferometer for bio- and chemical-sensors. <i>Optics Communications</i> , 1998, 150, 5-8.	1.0	186
154	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. <i>Biosensors and Bioelectronics</i> , 1998, 13, 1263-1269.	5.3	49
155	Experimental study of spontaneous electric field generated by a laser plasma. <i>Applied Physics Letters</i> , 1998, 73, 25-27.	1.5	50
156	Electric fields of a laser plasma formed by optical breakdown of air near various targets. <i>Quantum Electronics</i> , 1998, 28, 24-28.	0.3	14
157	Electric fields of a laser spark produced by radiation with various parameters. <i>Quantum Electronics</i> , 1997, 27, 536-541.	0.3	19
158	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.	0.8	4
159	Interferometer based on a surface-plasmon resonance for sensor applications. <i>Quantum Electronics</i> , 1997, 27, 653-654.	0.3	88
160	New method of magnetic field and current generation outside laser plasma. <i>Applied Physics Letters</i> , 1996, 68, 173-175.	1.5	7
161	Laserâ€“plasma generation of currents along a conductive target. <i>Journal of Applied Physics</i> , 1990, 68, 3140-3146.	1.1	10