Andrey L Stepanov

List of Publications by Year
in descending order

178 papers	4,230 citations	126907 33 h-index	128289 60 g-index
181 all docs	181 docs citations	181 times ranked	5077 citing authors

#	Article	IF	Citations
1	Long-range effect in ion-implanted polymers. Vacuum, 2022, 200, 111038.	3.5	2
2	Raman study of germanium nanowires formed by low energy Ag+ ion implantation. Vacuum, 2021, 184, 109881.	3.5	7
3	Incoherent-light pulse annealing of nanoporous germanium layers formed by ion implantation. Vacuum, 2021, 186, 110060.	3.5	3
4	Ion-assisted stimulating deposition of Pt nanoparticles in SiO2 and optical properties. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	2.3	0
5	Formation of nanoporous Ge layers by ion implantation at different temperatures of c-Ge substrate. Vacuum, 2021, 194, 110552.	3.5	1
6	Diffraction grating on chalcogenide glass (GeSe5)80B20 fabricated by mask ion implantation. Nuclear Instruments & Methods in Physics Research B, 2020, 462, 187-190.	1.4	0
7	Fabrication of Ag/ZnO nanostructures for SERS applications. Applied Surface Science, 2020, 508, 145227.	6.1	31
8	Pulse ion annealing of silicon layers with silver nanoparticles formed by ion implantation. Vacuum, 2020, 182, 109724.	3.5	3
9	Biological cell scaffolds based on nanoporous germanium layers formed by ion implantation. Vacuum, 2020, 177, 109403.	3.5	2
10	Formation of Cu nanoparticles and Cu3Si phase in Si by ion implantation. Composites Communications, 2020, 21, 100415.	6.3	4
11	Optical reflectance of germanium surface modified by implanted silver ions. Optics Communications, 2020, 474, 126052.	2.1	6
12	Formation of porous germanium layers with various surface morphology in dependence on mass of implanted ions. Composites Communications, 2020, 19, 6-10.	6.3	9
13	Sputtering of silicon surface by silver-ion implantation. Nuclear Instruments & Methods in Physics Research B, 2019, 457, 1-3.	1.4	6
14	Modification of plasmon resonance properties of noble metal nanoparticles inside the glass matrices. Applied Surface Science, 2019, 475, 974-981.	6.1	12
15	Swelling and sputtering of porous germanium by silver ions. Composites Communications, 2019, 16, 57-60.	6.3	6
16	Diffraction diamond grating formed by silver-ion mask implantation. Vacuum, 2019, 164, 332-335.	3.5	5
17	New approach to create a counting grid by ion-mask implantation for analysis of small biological objects. Vacuum, 2019, 165, 320-323.	3.5	1
18	Photoelectric Properties of Composite Si Layers with Ag Nanoparticles Obtained by Ion Implantation and Laser Annealing. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2019, 126, 144-149.	0.6	2

#	Article	IF	Citations
19	Fabrication of Metal Dielectric Nanocomposites by Ion Implantation and Characterization by Nonlinear Optics Techniques. , 2019, , 159-195.		2
20	Study of silicon surface implanted by silver ions. Vacuum, 2019, 159, 353-357.	3.5	12
21	Synthesis and characterization of surface embedded silver nanoparticles in ZnO matrix. , 2019, , .		0
22	Temperature sensor based on a polymer diffraction grating with silver nanoparticles. Quantum Electronics, 2018, 48, 82-86.	1.0	9
23	Ag⁺-ion implantation of silicon. Phosphorus, Sulfur and Silicon and the Related Elements, 2018, 193, 110-114.	1.6	2
24	Porous germanium formed by low energy high dose Ag + -ion implantation. Vacuum, 2018, 152, 200-204.	3.5	14
25	Characterization of silicon surfaces implanted with silver ions at low energy using spectroscopic ellipsometry. Vacuum, 2018, 148, 254-257.	3.5	10
26	Ion Implantation as a Method to Form the Porous Germanium with Copper Nanoparticles. Nanotechnologies in Russia, 2018, 13, 487-495.	0.7	3
27	Porous germanium with Ag nanoparticles formed by ion implantation. Journal of Physics: Conference Series, 2018, 1092, 012125.	0.4	0
28	A Diamond Diffraction Grating Formed via Ion Implantation. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 1047-1051.	0.6	2
29	The Effect of Pulsed Laser Radiation on a Si Layer with a High Dose of Implanted Ag+ Ions. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2018, 125, 571-577.	0.6	3
30	Raman Scattering of Light by Molecules of Methyl Orange Dye on the Surface of Silicon Containing Ion-Synthesized Silver Nanoparticles. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 29	0.6	1
31	Formation of Porous Germanium Layers by Silver-Ion Implantation. Technical Physics Letters, 2018, 44, 354-357.	0.7	1
32	Laser annealing of metal nanoparticles synthesized in glasses by ion implantation. Proceedings of SPIE, 2017, , .	0.8	0
33	Laccaseâ€containing ureasilâ€“polymer composite as the sensing layer of an amperometric biosensor. Journal of Applied Polymer Science, 2017, 134, 45278.	2.6	14
34	Optical characterization of nanocomposite polymer formed by ion implantation of boron. Journal of Materials Science: Materials in Electronics, 2017, 28, 7115-7120.	2.2	4
35	A diffraction grating created in diamond substrate by boron ion implantation. Technical Physics Letters, 2017, 43, 104-106.	0.7	8
36	Characterization of the Surface of Silver Ion-Implanted Silicon by Optical Reflectance. Journal of Applied Spectroscopy, 2017, 84, 785-789.	0.7	6

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37	Charge separation and carrier dynamics in donor-acceptor heterojunction photovoltaic systems. Structural Dynamics, 2017, 4, 061503.	2.3	13
38	Synthesis of Porous Germanium with Silver Nanoparticles by Ion Implantation. Nanotechnologies in Russia, 2017, 12, 508-513.	0.7	3
39	Laser Annealing of Metal Nanoparticles Synthesized in Glasses by Ion Implantation. , 2016, , 115-130.		2
40	Nonlinear Optical Properties of Metal Nanoparticles in Silicate Glass. , 2016, , 165-179.		10
41	Luminescence of CdSe quantum dots near a layer of silver nanoparticles ion-synthesized in sapphire. Technical Physics Letters, 2016, 42, 1067-1070.	0.7	2
42	Effects of Gamma-Irradiation and Ion Implantation in Chalcogenide Glasses. , 2016, , 341-358.		3
43	Formation of a periodic diffractive structure based on poly(methyl methacrylate) with ion-implanted silver nanoparticles. Technical Physics Letters, 2016, 42, 182-185.	0.7	10
44	Plasmon-enhanced luminescence of CdSe quantum dots on the porous silicon with silver nanoparticles. Russian Chemical Bulletin, 2016, 65, 2773-2775.	1.5	3
45	Spectral Ellipsometry and Electron Backscatter Diffraction Analyses of Silicon Surfaces Implanted with Silver Ions. Journal of Applied Spectroscopy, 2016, 83, 47-50.	0.7	8
46	Carbonization in boron-ion-implanted polymethylmethacrylate as revealed from Raman spectroscopy and electrical measurements. Spectroscopy Letters, 2016, 49, 5-10.	1.0	11
47	Synthesis of porous silicon with silver nanoparticles by low-energy ion implantation. Russian Microelectronics, 2015, 44, 546-551.	0.5	3
48	Copper nanoparticles synthesized in polymers by ion implantation: Surface morphology and optical properties of the nanocomposites. Journal of Materials Research, 2015, 30, 86-92.	2.6	15
49	Optical properties of the synthesized ZnO with ion implanted silver nanoparticles. Technical Physics Letters, 2015, 41, 537-539.	0.7	1
50	Raman spectra observation of silver nanoparticles in porous silicon fabricated by ion implantation. Nanotechnologies in Russia, 2015, 10, 231-234.	0.7	2
51	Photoluminescence of Composite Films of Poly(N-Vinylcarbazole) with CdSe/CdS Core/Shell Quantum Dots Located Near the Layer of Silver Nanoparticles on a Dielectric Material. Journal of Applied Spectroscopy, 2015, 82, 773-778.	0.7	9
52	Chemical Functionalization, Self-Assembly, and Applications of Nanomaterials and Nanocomposites. Journal of Nanomaterials, 2014, 2014, 1-2.	2.7	7
53	Low-temperature positron annihilation study of B+-ion implanted PMMA. Low Temperature Physics, 2014, 40, 747-751.	0.6	4
54	Synergistic effect of V/N codoping by ion implantation on the electronic and optical properties of TiO2. Journal of Applied Physics, 2014, 115, 143106.	2.5	8

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55	On the application of methods of positron annihilation spectroscopy for studying radiation-stimulated processes in chalcogenide glassy semiconductors. Semiconductors, 2014, 48, 9-12.	0.5	6
56	Organometal Halide Perovskite Solar Cell Materials Rationalized: Ultrafast Charge Generation, High and Microsecond-Long Balanced Mobilities, and Slow Recombination. Journal of the American Chemical Society, 2014, 136, 5189-5192.	13.7	1,106
57	Influence of metal doping on optical properties of Si nanoparticles. Optics Communications, 2014, 316, 56-60.	2.1	14
58	Structural Defects and Positronium Formation in 40 keV B⁺-Implanted Polymethylmethacrylate. Journal of Physical Chemistry B, 2014, 118, 4194-4200.	2.6	20
59	New approach to the synthesis of porous silicon with silver nanoparticles using ion implantation technique. Nanotechnologies in Russia, 2014, 9, 163-167.	0.7	9
60	Magneto-Optics of Cobalt and Nickel Nanoparticles Implanted in SiO₂: Comparative Study. Solid State Phenomena, 2014, 215, 214-217.	0.3	1
61	Optical properties of chalcogenide glasses with ion-synthesized copper nanoparticles. Technical Physics Letters, 2013, 39, 1-4.	0.7	15
62	The ion implantation-induced properties of one-dimensional nanomaterials. Nanoscale Research Letters, 2013, 8, 175.	5.7	24
63	Efficiency enhancements in Ag nanoparticles-SiO2-TiO2 sandwiched structure via plasmonic effect-enhanced light capturing. Nanoscale Research Letters, 2013, 8, 73.	5.7	38
64	The formation of periodic diffractive plasmonic nanostructures with implanted copper nanoparticles by local ion etching of silica glass. Technical Physics Letters, 2013, 39, 591-593.	0.7	3
65	Comparative Study of Optical Properties of Polarizing Oxide Glasses with Silver Nanorods and Chalcogenide Glasses with Copper Nanoparticles. Physics Procedia, 2013, 48, 191-195.	1.2	6
66	Raman spectroscopy of gold nanoparticles in polycrystalline LiF film. Physics of the Solid State, 2013, 55, 1899-1902.	0.6	3
67	Fabrication and characterization of Ag-implantation modificated TiO2 films followed with thermal annealing. Nuclear Instruments & Methods in Physics Research B, 2013, 307, 373-376.	1.4	5
68	Synthesis of periodic plasmonic microstructures with copper nanoparticles in silica glass by low-energy ion implantation. Applied Physics A: Materials Science and Processing, 2013, 111, 261-264.	2.3	40
69	Structural modification of chalcogenide glasses by gamma-irradiation studied with DBAL technique. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2420-2423.	0.8	8
70	New organicâ€inorganic hybrid ureasilâ€based polymer and glassâ€polymer composites with ionâ€implanted silver nanoparticles. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 2444-2447.	0.8	9
71	Synthesis and optical properties of silver nanoparticles in ORMOCER. Applied Physics A: Materials Science and Processing, 2012, 108, 375-378.	2.3	19
72	Yttrium Nanoparticle Hydrogen Gas Sensors. NATO Science for Peace and Security Series B: Physics and Biophysics, 2011, , 381-389.	0.3	0

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73	Synthesis and nonlinear optical properties of Lif films containing gold nanoparticles. Technical Physics Letters, 2011, 37, 939-941.	0.7	6
74	Specificity of silver nanoparticle synthesis in quartz glass upon low-energy ion implantation. Nanotechnologies in Russia, 2011, 6, 490-495.	0.7	2
75	Laser annealing of dielectrics with metal nanoparticles. Optics and Spectroscopy (English Translation) Tj ETQq1 1 0.784314 rgBT /Ove	0.6	6
76	FMR and TEM Studies of Co and Ni Nanoparticles Implanted in the SiO2 Matrix. Applied Magnetic Resonance, 2011, 40, 363-375.	1.2	12
77	Ion synthesis and nonlinear optical properties of metal nanoparticles. Proceedings of SPIE, 2010, , .	0.8	0
78	Low-temperature Raman spectroscopy of copper and silver nanoparticles ion-synthesized in a silica glass and subjected to laser annealing. Physics of the Solid State, 2010, 52, 1255-1259.	0.6	4
79	Laser-based 2D and 3D nanomanufacturing for plasmonic applications. International Journal of Nanomanufacturing, 2010, 6, 3.	0.3	0
80	Laser annealing of metal nanoparticles implanted in dielectrics. , 2010, , .		0
81	Optical and AFM study of ion-synthesised silver nanoparticles in thin surface layers of SiO2 glass. Journal of Non-Crystalline Solids, 2010, 356, 1258-1261.	3.1	17
82	Optical properties of metal nanoparticles. Proceedings of SPIE, 2010, , .	0.8	11
83	Nonlinear optical properties of gold nanoparticles dispersed in different optically transparent matrices. Physics of the Solid State, 2009, 51, 55-60.	0.6	36
84	Synthesis of nanostructured yttrium with the use of cluster beams and investigation of the optical and electrical properties of yttrium hydride species. Physics of the Solid State, 2009, 51, 1716-1722.	0.6	1
85	Laser annealing of silica glass with ion-synthesized copper nanoparticles. Physics of the Solid State, 2009, 51, 1912-1918.	0.6	1
86	Scattering of a surface plasmon polariton beam by chains ofÂdipole nanoparticles. Applied Physics B: Lasers and Optics, 2008, 93, 203-207.	2.2	0
87	Leakage radiation microscopy of surface plasmon polaritons. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 149, 220-229.	3.5	231
88	Laser annealing induced melting of silver nanoparticles in a glass matrix. Technical Physics Letters, 2008, 34, 1014-1017.	0.7	5
89	Magnetic and magneto-optical properties of ion-synthesized cobalt nanoparticles in silicon oxide. Physics of the Solid State, 2008, 50, 2088-2094.	0.6	10
90	Novel efficient design of Y-splitter for surface plasmon polariton applications. Optics Express, 2008, 16, 14369.	3.4	29

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91	Excitation and focusing of surface plasmon polaritons by nanostructuring. Proceedings of SPIE, 2008, , .	0.8	0
92	Optical Components for Surface Plasmon Polaritons Fabricated by Two Photon Polymerization. , 2007, , .		0
93	Two-photon polymerization and applications in plasmonics. , 2007, 6581, 174.		1
94	2-Photon Polymerization for Plasmonic Applications. , 2007, , .		1
95	Focusing and manipulation of surface plasmon polaritons by laser fabricated dielectric structures. , 2007, , .		2
96	Analysis of the angular acceptance of surface plasmon Bragg mirrors. Optics Letters, 2007, 32, 2704.	3.3	25
97	Rapid prototyping of optical components for surface plasmon polaritons. Optics Express, 2007, 15, 4205.	3.4	41
98	Optical nonlinearities of Au nanoparticles embedded in a zinc oxide matrix. Optics Communications, 2007, 273, 538-543.	2.1	55
99	Third-order nonlinear-optical parameters of gold nanoparticles in different matrices. Journal of Luminescence, 2007, 127, 181-185.	3.1	47
100	Rapid laser prototyping of plasmonic components. Applied Physics A: Materials Science and Processing, 2007, 89, 321-325.	2.3	40
101	Nonlinear optical properties of copper nanoparticles synthesized in indium tin oxide matrix by ion implantation. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 1348.	2.1	25
102	Surface plasmon interference fringes in back-reflection. Europhysics Letters, 2006, 74, 693-698.	2.0	20
103	Laser-based rapid prototyping of plasmonic components. , 2006, , .		0
104	Investigation of the nonlinear optical characteristics of composite materials based on sapphire with silver, copper, and gold nanoparticles by the reflection Z-scan method. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2006, 101, 615-622.	0.6	11
105	Optical properties of Cu implanted ZnO. Nuclear Instruments & Methods in Physics Research B, 2006, 249, 474-477.	1.4	40
106	Effect of copper ion implantation on the optical properties and low-temperature conductivity of carbon films. Semiconductors, 2006, 40, 414-419.	0.5	8
107	Splitting of a surface plasmon polariton beam by chains of nanoparticles. Applied Physics B: Lasers and Optics, 2006, 84, 29-34.	2.2	42
108	Surface Plasmon Polariton Machâ€“Zehnder Interferometer and Oscillation Fringes. Plasmonics, 2006, 1, 141-145.	3.4	35

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109	Optical Properties of Metal Nanoparticles Formed by Ion Implantation and Modified by Laser Annealing. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2006, , 139-160.	0.1	1
110	How to erase surface plasmon fringes. Applied Physics Letters, 2006, 89, 091117.	3.3	98
111	Application of RZ-scan technique for investigation of nonlinear refraction of sapphire doped with Ag, Cu, and Au nanoparticles. Optics Communications, 2005, 253, 205-213.	2.1	58
112	Optical properties and luminescence of metallic nanoclusters in ZnO:Cu. Physica B: Condensed Matter, 2005, 363, 88-95.	2.7	57
113	Evaluation of the dipole interaction of a pair of metal particles in the region of the plasmon resonance. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2005, 98, 107-112.	0.6	1
114	Nonlinear optical properties of gold nanoparticles synthesized by ion implantation in sapphire matrix. Technical Physics Letters, 2005, 31, 702-705.	0.7	21
115	Synthesis of Silver Nanoparticles by the Ion Implantation Method and Investigation of their Optical Properties. Journal of Applied Spectroscopy, 2005, 72, 229-234.	0.7	38
116	Nonlinear optical absorption of ZnO doped with copper nanoparticles in the picosecond and nanosecond pulse laser field. Applied Optics, 2005, 44, 2839.	2.1	42
117	Dielectric optical elements for surface plasmons. Optics Letters, 2005, 30, 893.	3.3	161
118	Quantitative analysis of surface plasmon interaction with silver nanoparticles. Optics Letters, 2005, 30, 1524.	3.3	110
119	Nonlinear optical response of silver and copper nanoparticles in the near-ultraviolet spectral range. Physics of the Solid State, 2004, 46, 351-356.	0.6	14
120	Synthesis and magnetic properties of nickel nanoparticles in magnesium fluoride matrix. Technical Physics Letters, 2004, 30, 151-153.	0.7	13
121	Application of ion implantation for synthesis of copper nanoparticles in a zinc oxide matrix for obtaining new nonlinear optical materials. Technical Physics Letters, 2004, 30, 846-849.	0.7	13
122	Optical changes induced by high fluence implantation of Au ions on sapphire. Nuclear Instruments & Methods in Physics Research B, 2004, 218, 139-144.	1.4	15
123	Saturated absorption and nonlinear refraction of silicate glasses doped with silver nanoparticles at 532 nm. Optical and Quantum Electronics, 2004, 36, 949-960.	3.3	81
124	Radiation-induced change of polyimide properties under high-fluence and high ion current density implantation. Applied Physics A: Materials Science and Processing, 2004, 78, 1067-1072.	2.3	26
125	Characterization of nonlinear optical parameters of copper- and silver-doped silica glasses at Î» = 1064 nm. Physica Status Solidi (B): Basic Research, 2004, 241, 935-944.	1.5	55
126	Saturated absorption and reverse saturated absorption of Cu:SiO2 atÎ» = 532 nm. Physica Status Solidi (B): Basic Research, 2004, 241, R1-R4.	1.5	57

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127	Nanosecond pulse laser and furnace annealing of silver nanoparticles formed by implantation in silicate glass. Surface and Coatings Technology, 2004, 185, 30-37.	4.8	30
128	Nanostructuring of silicate glass under low-energy Ag-ion implantation. Surface Science, 2004, 566-568, 1250-1254.	1.9	37
129	Novel nanoparticle matter: ZrN-nanoparticles. Applied Physics B: Lasers and Optics, 2003, 77, 681-686.	2.2	18
130	Non-linear optical properties of metal nanoparticles implanted in silicate glass. Nuclear Instruments & Methods in Physics Research B, 2003, 206, 624-628.	1.4	35
131	Nonlinear optical susceptibilities of copper- and silver-doped silicate glasses in the ultraviolet range. Physica Status Solidi (B): Basic Research, 2003, 238, R5-R7.	1.5	48
132	Synthesis of new carbon-nitrogen nanoclusters by annealing diamond-like carbon films in nitrogen. Semiconductors, 2003, 37, 220-223.	0.5	1
133	Modification of the nanostructure of diamond-like carbon films by bombardment with xenon ions. Semiconductors, 2003, 37, 723-726.	0.5	1
134	Nonlinear absorption in dielectric layers containing copper nanoparticles. Physics of the Solid State, 2003, 45, 1355-1359.	0.6	2
135	Nonlinear properties of composites based on dielectric layers containing copper and silver nanoparticles. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2003, 95, 967-975.	0.6	17
136	Effect of the ion beam current density on the formation of implanted metal nanoparticles in a dielectric matrix. Technical Physics Letters, 2003, 29, 977-979.	0.7	12
137	Nonlinear absorption of visible light in silicate glasses doped with copper nanoparticles. Quantum Electronics, 2003, 33, 1081-1084.	1.0	7
138	Laser annealing of metal-dielectric nanocomposites formed by ion implantation. Philosophical Magazine Letters, 2002, 82, 149-155.	1.2	5
139	Copper ion implantation and laser annealing of silica. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 468-472.	1.4	14
140	Optical properties of polymethylmethacrilate with implanted silver nanoparticles. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 473-477.	1.4	45
141	Ion synthesis and laser annealing of Cu nanoparticles in Al 2 O 3. Applied Physics A: Materials Science and Processing, 2002, 74, 441-446.	2.3	24
142	Implantation and laser annealing of Cu nanoparticles in silica. Surface and Coatings Technology, 2002, 158-159, 526-529.	4.8	8
143	Novel laser universal cluster ablation sourceâ€"LUCAS. Vacuum, 2002, 67, 223-227.	3.5	9
144	The formation of hydrogenated yttrium nanoparticles. Technical Physics Letters, 2002, 28, 642-644.	0.7	5

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145	Copper nanoparticles synthesized in sapphire by ion implantation. Technical Physics Letters, 2002, 28, 864-867.	0.7	3
146	Formation of Metallic Nanoparticles in Silicate Glass through Ion Implantation. Glass Physics and Chemistry, 2002, 28, 90-95.	0.7	13
147	Large enhancement of the third-order optical susceptibility in Cu-silica composites produced by low-energy high-current ion implantation. Journal of Applied Physics, 2001, 90, 1064-1066.	2.5	57
148	Influence of Xe+-ion irradiation on the microstructure of diamond-like carbon films. Vacuum, 2001, 62, 15-19.	3.5	8
149	Synthesis of yttrium clusters. Vacuum, 2001, 64, 9-14.	3.5	8
150	Interaction of high-power excimer-laser pulses with soda-lime silicate glass containing ion-implanted metal nanoparticles. Vacuum, 2001, 64, 169-177.	3.5	11
151	Depth profiles of metal ions implanted in dielectrics at low energies. Physics of the Solid State, 2001, 43, 766-771.	0.6	9
152	Effect of the target surface temperature on the distribution of nanoparticles formed by ion implantation. Technical Physics Letters, 2001, 27, 554-556.	0.7	2
153	The effect of the irradiated glass target temperature on the implanted silver distribution profile. Technical Physics Letters, 2001, 27, 862-864.	0.7	0
154	Interaction of high-power laser pulses with glasses containing implanted metallic nanoparticles. Physics of the Solid State, 2001, 43, 2192-2198.	0.6	13
155	Optical transmission of dielectric layers with metallic nanoparticles inhomogeneously distributed over the sample thickness. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2001, 91, 815-819.	0.6	9
156	Laser annealing of sapphire with implanted copper nanoparticles. Nuclear Instruments & Methods in Physics Research B, 2001, 178, 120-125.	1.4	26
157	Annealing of europium-implanted silicon by nanosecond ion-beam pulses. Philosophical Magazine Letters, 2001, 81, 29-38.	1.2	2
158	Optical reflection from dielectric layers containing metal particles formed by ion implantation. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2000, 89, 408-412.	0.6	11
159	Depth distribution of Cu, Ag and Au ions implanted at low energy into insulators. Nuclear Instruments & Methods in Physics Research B, 2000, 166-167, 26-30.	1.4	55
160	Excimer laser annealing of glasses containing implanted metal nanoparticles. Nuclear Instruments & Methods in Physics Research B, 2000, 166-167, 882-886.	1.4	27
161	Optical reflectance of insulators containing implanted metal nanoparticles. Nuclear Instruments & Methods in Physics Research B, 2000, 161-163, 913-916.	1.4	10
162	Formation of metal-polymer composites by ion implantation. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2000, 80, 23-28.	0.6	47

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163	Dependence of optical properties of implanted silver nanoparticles in float glass on substrate temperature. Nuclear Instruments & Methods in Physics Research B, 1999, 148, 1054-1058.	1.4	32
164	Modification of size distribution of ion implanted silver nanoparticles in sodium silicate glass using laser and thermal annealing. Nuclear Instruments & Methods in Physics Research B, 1999, 149, 89-98.	1.4	44
165	Reflectance of the dielectric layers containing metal nanoparticles formed by ion implantation. Journal of Non-Crystalline Solids, 1999, 244, 275-279.	3.1	37
166	Formation of silver nanoparticles in sodaâ€“lime silicate glass by ion implantation near room temperature. Journal of Non-Crystalline Solids, 1999, 260, 65-74.	3.1	85
167	Ion synthesis of Fe and Ag granular films in viscous and solid state polymers. Vacuum, 1998, 51, 289-294.	3.5	11
168	Synthesis of metallic dispersion and continuous films in the viscous polymer by implantation of cobalt ions. Surface and Coatings Technology, 1998, 106, 214-219.	4.8	17
169	Reduction of the size of the implanted silver nanoparticles in float glass during excimer laser annealing. Applied Surface Science, 1998, 136, 298-305.	6.1	58
170	Optical properties of polymer layers with silver particles. Journal of Non-Crystalline Solids, 1998, 223, 250-253.	3.1	17
171	Kinetics of silver nanoparticle formation in a viscous-flow polymer. Surface Science, 1998, 395, L242-L245.	1.9	14
172	An optical study of silver particles fabricated by ion implantation in a silicon polymer. Philosophical Magazine Letters, 1998, 77, 261-266.	1.2	4
173	Evaluation of efficiency of optical effective medium theories by comparison with the generalized Mie theory for metal nanoparticles. , 0, , .		0
174	Leakage radiation imaging of surface plasmon polaritons. , 0, , .		0
175	New Organic-Inorganic Hybrid Ureasil-Based Polymer Materials Studied by PALS and SEM Techniques. Materials Science Forum, 0, 733, 171-174.	0.3	6
176	Spectral Ellipsometry of Cobalt-Ions Implanted Silicon Surface. Solid State Phenomena, 0, 233-234, 526-529.	0.3	2
177	Ion-Irradiation-Induced Carbon Nanostructures in Optoelectronic Polymer Materials. , 0, , .		5
178	Laserâ€induced heating of porous Ge layers implanted with Ag ⁺ and Cu ⁺ ions. Journal of Raman Spectroscopy, 0, , .	2.5	1