

Andrei V Rode

List of Publications by Year in descending order

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215
papers

6,925
citations

66234

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64668

79
g-index

217
all docs

217
docs citations

217
times ranked

5558
citing authors

#	ARTICLE	IF	CITATIONS
1	Ablation of solids by femtosecond lasers: Ablation mechanism and ablation thresholds for metals and dielectrics. <i>Physics of Plasmas</i> , 2002, 9, 949-957.	0.7	711
2	Giant Optical Manipulation. <i>Physical Review Letters</i> , 2010, 105, 118103.	2.9	261
3	Unconventional magnetism in all-carbon nanofoam. <i>Physical Review B</i> , 2004, 70, .	1.1	235
4	Optical guiding of absorbing nanoclusters in air. <i>Optics Express</i> , 2009, 17, 5743.	1.7	222
5	Revealing Local Field Structure of Focused Ultrashort Pulses. <i>Physical Review Letters</i> , 2011, 106, 123901.	2.9	221
6	Long, low loss etched As ₂ S ₃ chalcogenide waveguides for all-optical signal regeneration. <i>Optics Express</i> , 2007, 15, 14414.	1.7	196
7	Photophoretic manipulation of absorbing aerosol particles with vortex beams: theory versus experiment. <i>Optics Express</i> , 2009, 17, 8201.	1.7	188
8	Ultrafast ablation with high-pulse-rate lasers. Part I: Theoretical considerations. <i>Journal of Applied Physics</i> , 1999, 85, 4213-4221.	1.1	184
9	Materials processing with a tightly focused femtosecond laser vortex pulse. <i>Optics Letters</i> , 2010, 35, 3417.	1.7	173
10	Fabrication and characterization of low loss rib chalcogenide waveguides made by dry etching. <i>Optics Express</i> , 2004, 12, 5140.	1.7	161
11	Evidence of superdense aluminium synthesized by ultrafast microexplosion. <i>Nature Communications</i> , 2011, 2, 445.	5.8	151
12	Physics of ultra-short laser interaction with matter: From phonon excitation to ultimate transformations. <i>Progress in Quantum Electronics</i> , 2013, 37, 215-323.	3.5	130
13	Formation of cluster-assembled carbon nano-foam by high-repetition-rate laser ablation. <i>Applied Physics A: Materials Science and Processing</i> , 2000, 70, 135-144.	1.1	125
14	Experimental evidence of new tetragonal polymorphs of silicon formed through ultrafast laser-induced confined microexplosion. <i>Nature Communications</i> , 2015, 6, 7555.	5.8	122
15	Water Droplet Motion Control on Superhydrophobic Surfaces: Exploiting the Wenzel-to-Cassie Transition. <i>Langmuir</i> , 2011, 27, 2595-2600.	1.6	118
16	Breakthrough switching speed with an all-optical chalcogenide glass chip: 640 Gbit/s demultiplexing. <i>Optics Express</i> , 2009, 17, 2182.	1.7	117
17	Ultrafast ablation with high-pulse-rate lasers. Part II: Experiments on laser deposition of amorphous carbon films. <i>Journal of Applied Physics</i> , 1999, 85, 4222-4230.	1.1	114
18	Robust trapping and manipulation of airborne particles with a bottle beam. <i>Optics Express</i> , 2011, 19, 17350.	1.7	105

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19	Selective trapping of multiple particles by volume speckle field. <i>Optics Express</i> , 2010, 18, 3137.	1.7	104
20	Structural analysis of a carbon foam formed by high pulse-rate laser ablation. <i>Applied Physics A: Materials Science and Processing</i> , 1999, 69, S755-S758.	1.1	85
21	Photosensitive post tuning of chalcogenide photonic crystal waveguides. <i>Optics Express</i> , 2007, 15, 1277.	1.7	81
22	Small Atomic Displacements Recorded in Bismuth by the Optical Reflectivity of Femtosecond Laser-Pulse Excitations. <i>Physical Review Letters</i> , 2008, 100, 027404.	2.9	79
23	Polarization-dependent ablation of silicon using tightly focused femtosecond laser vortex pulses. <i>Optics Letters</i> , 2012, 37, 226.	1.7	77
24	On the properties and stability of thermally evaporated GeAsSe thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 96, 615-625.	1.1	76
25	Recording and reading of three-dimensional optical memory in glasses. <i>Applied Physics B: Lasers and Optics</i> , 2003, 77, 361-368.	1.1	74
26	Wavelength dispersion of Verdet constants in chalcogenide glasses for magneto-optical waveguide devices. <i>Optics Communications</i> , 2005, 252, 39-45.	1.0	72
27	Boron nitride nanostructures formed by ultra-high-repetition rate laser ablation. <i>Diamond and Related Materials</i> , 2003, 12, 1269-1274.	1.8	70
28	Ablation of metals with picosecond laser pulses: Evidence of long-lived nonequilibrium conditions at the surface. <i>Physical Review B</i> , 2005, 71, .	1.1	69
29	Subpicosecond laser ablation of dental enamel. <i>Journal of Applied Physics</i> , 2002, 92, 2153-2158.	1.1	68
30	Precision ablation of dental enamel using a subpicosecond pulsed laser. <i>Australian Dental Journal</i> , 2003, 48, 233-239.	0.6	66
31	Table-top 50-W laser system for ultra-fast laser ablation. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 1051-1055.	1.1	63
32	Origin of magnetic moments in carbon nanofoam. <i>Physical Review B</i> , 2006, 74, .	1.1	62
33	Megahertz single-particle imaging at the European XFEL. <i>Communications Physics</i> , 2020, 3, .	2.0	58
34	Efficient beam converter for the generation of high-power femtosecond vortices. <i>Optics Letters</i> , 2010, 35, 2660.	1.7	56
35	High-temperature formation of concentric fullerene-like structures within foam-like carbon: Experiment and molecular dynamics simulation. <i>Physical Review B</i> , 2007, 75, .	1.1	54
36	Rapid sample delivery for megahertz serial crystallography at X-ray FELs. <i>IUCr</i> , 2018, 5, 574-584.	1.0	52

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37	Annealing induced phase transformations in amorphous As ₂ S ₃ films. Journal of Applied Physics, 2006, 100, 063524.	1.1	51
38	Passive mode locking of a Nd: YVO ₄ laser with an extra-long optical resonator. Optics Letters, 2003, 28, 1275.	1.7	50
39	Chalcogenide glass photonic crystals. Photonics and Nanostructures - Fundamentals and Applications, 2008, 6, 3-11.	1.0	48
40	Optical vortex beams for trapping and transport of particles in air. Applied Physics A: Materials Science and Processing, 2010, 100, 327-331.	1.1	46
41	Optical manipulation of particle ensembles in air. Optics Letters, 2012, 37, 1934.	1.7	46
42	Submicrometer-Thick Low-Loss As ₂ S ₃ Planar Waveguides for Nonlinear Optical Devices. IEEE Photonics Technology Letters, 2010, 22, 495-497.	1.3	44
43	Self-limited underdense microplasmas in bulk silicon induced by ultrashort laser pulses. Applied Physics Letters, 2014, 105, .	1.5	43
44	Rebonding of Se to As and Ge in Ge ₃₃ As ₁₂ Se ₅₅ films upon thermal annealing: Evidence from x-ray photoelectron spectra investigations. Journal of Applied Physics, 2007, 101, 113517.	1.1	42
45	Dry-etch of As ₂ S ₃ thin films for optical waveguide fabrication. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2005, 23, 1626-1632.	0.9	39
46	Fabrication of high-Q chalcogenide photonic crystal resonators by e-beam lithography. Applied Physics Letters, 2007, 90, 071102.	1.5	39
47	Birth and decay of coherent optical phonons in femtosecond-laser-excited bismuth. Physical Review B, 2008, 78, .	1.1	39
48	Thermal annealing of arsenic tri-sulphide thin film and its influence on device performance. Journal of Applied Physics, 2010, 107, 053106.	1.1	39
49	Observation of O ₂ inside voids formed in GeO ₂ glass by tightly-focused fs-laser pulses. Optical Materials Express, 2011, 1, 1150.	1.6	39
50	Modification of refractive index by a single femtosecond pulse confined inside a bulk of a photorefractive crystal. Physical Review B, 2010, 81, .	1.1	38
51	Photo-structuring of As ₂ S ₃ glass by femtosecond irradiation. Optics Express, 2006, 14, 7751.	1.7	37
52	Compact high-power optical source for resonant infrared pulsed laser ablation and deposition of polymer materials. Optics Express, 2006, 14, 12302.	1.7	37
53	Structural relaxation and optical properties in amorphous Ge ₃₃ As ₁₂ Se ₅₅ films. Journal of Non-Crystalline Solids, 2007, 353, 950-952.	1.5	37
54	Optically Induced Forces Imposed in an Optical Funnel on a Stream of Particles in Air or Vacuum. Physical Review Applied, 2015, 4, .	1.5	37

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55	Fabrication of low loss Ge ₃₃ As ₁₂ Se ₅₅ (AMTIR-1) planar waveguides. Applied Physics Letters, 2007, 91, 011115.	1.5	36
56	Ultrafast laser ablation for restoration of heritage objects. Applied Surface Science, 2008, 254, 3137-3146.	3.1	36
57	Generation of optical bottle beams by incoherent white-light vortices. Optics Express, 2008, 16, 20902.	1.7	36
58	Hollow Bessel-like beam as an optical guide for a stream of microscopic particles. Optics Express, 2013, 21, 30492.	1.7	35
59	Gallium transformation under femtosecond laser excitation: Phase coexistence and incomplete melting. Physical Review B, 2004, 70, .	1.1	34
60	Transient optical properties of dielectrics and semiconductors excited by an ultrashort laser pulse. Journal of the Optical Society of America B: Optical Physics, 2014, 31, C36.	0.9	34
61	Generation of high energy density by fs-laser-induced confined microexplosion. New Journal of Physics, 2013, 15, 025018.	1.2	33
62	Laser speckle field as a multiple particle trap. Journal of Optics (United Kingdom), 2010, 12, 124003.	1.0	32
63	Mechanisms of ablation-rate decrease in multiple-pulse laser ablation. Applied Physics A: Materials Science and Processing, 2001, 73, 143-149.	1.1	31
64	Plasma etching of As ₂ S ₃ films for optical waveguides. Journal of Non-Crystalline Solids, 2008, 354, 3179-3183.	1.5	31
65	Ablation of metals with picosecond laser pulses: Evidence of long-lived non-equilibrium surface states. Laser and Particle Beams, 2005, 23, 167-176.	0.4	29
66	Thermal characterization of Ge ^{As} Se glasses by differential scanning calorimetry. Journal of Materials Science: Materials in Electronics, 2007, 18, 419-422.	1.1	29
67	Laser ablation of carbon at the threshold of plasma formation. Applied Physics A: Materials Science and Processing, 1999, 69, S121-S127.	1.1	28
68	Light-induced metallization in laser-deposited gallium films. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 331.	0.9	28
69	Thin film deposition of Ge ₃₃ As ₁₂ Se ₅₅ by pulsed laser deposition and thermal evaporation: Comparison of properties. Journal of Non-Crystalline Solids, 2007, 353, 947-949.	1.5	28
70	Photoluminescence from voids created by femtosecond-laser pulses inside cubic-BN. Optics Letters, 2015, 40, 5711.	1.7	27
71	Dynamics of light-induced reflectivity switching in gallium films deposited on silica by pulsed laser ablation. Optics Letters, 2001, 26, 441.	1.7	26
72	Warm dense matter at the bench-top: Fs-laser-induced confined micro-explosion. High Energy Density Physics, 2012, 8, 13-17.	0.4	24

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73	Scanning the laser beam for ultrafast pulse laser cleaning of paint. Applied Physics A: Materials Science and Processing, 2008, 93, 135-139.	1.1	23
74	Dry etching characteristics of amorphous As ₂ S ₃ film in CHF ₃ plasma. Journal of Applied Physics, 2008, 104, .	1.1	23
75	Simple convergent-nozzle aerosol injector for single-particle diffractive imaging with X-ray free-electron lasers. Structural Dynamics, 2015, 2, 041717.	0.9	23
76	Ultrafast re-structuring of the electronic landscape of transparent dielectrics: new material states (Die-Met). Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	23
77	Shock waves in basalt rock generated with high-powered lasers in a confined geometry. Journal of Applied Physics, 1999, 86, 5461-5466.	1.1	22
78	Control over a phase state of the laser plume ablated by femtosecond laser: Spatial pulse shaping. Journal of Applied Physics, 2004, 95, 2250-2257.	1.1	22
79	¹³ C NMR and EPR of carbon nanofoam. Physica Status Solidi (B): Basic Research, 2006, 243, 3069-3072.	0.7	22
80	Nanoscale phase separation in ultrafast pulsed laser deposited arsenic trisulfide (As ₂ S ₃) films and its effect on plasma etching. Journal of Applied Physics, 2007, 102, .	1.1	22
81	Expansion-limited aggregation of nanoclusters in a single-pulse laser-produced plume. Physical Review B, 2009, 80, .	1.1	22
82	Polarization-sensitive photophoresis. Applied Physics Letters, 2012, 101, 051106.	1.5	22
83	Single-walled carbon nanotubes formation with a continuous CO ₂ -laser: experiments and theory. Applied Physics A: Materials Science and Processing, 2000, 70, 161-168.	1.1	21
84	Large phase shifts in As ₂ S ₃ waveguides for all-optical processing devices. Optics Letters, 2005, 30, 2605.	1.7	21
85	Structural changes in femtosecond laser modified regions inside fused silica. Journal of Optics (United Kingdom), 2010, 12, 124007.	1.0	21
86	Formation of nano-voids in transparent dielectrics by femtosecond lasers. Current Applied Physics, 2008, 8, 412-415.	1.1	20
87	Laser induced memory bits in photorefractive LiNbO ₃ and LiTaO ₃ . Applied Physics A: Materials Science and Processing, 2008, 93, 129-133.	1.1	20
88	Shaping self-imaging bottle beams with modified quasi-Bessel beams. Optics Letters, 2014, 39, 2278.	1.7	20
89	Visualizing aerosol-particle injection for diffractive-imaging experiments. Optics Express, 2016, 24, 6507.	1.7	19
90	Femtosecond X-ray diffraction from an aerosolized beam of protein nanocrystals. Journal of Applied Crystallography, 2018, 51, 133-139.	1.9	18

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91	Treating the Untreatable in Art and Heritage Materials: Ultrafast Laser Cleaning of "Cloth-of-Gold"; Langmuir, 2015, 31, 1596-1604.	1.6	17
92	Intensity measurements of a quasi-monochromatic X-ray beam formed by a spherically bent crystal. Optics Communications, 1990, 77, 163-166.	1.0	16
93	Silicon surface processing techniques for micro-systems fabrication. Thin Solid Films, 2003, 438-439, 445-451.	0.8	16
94	Ultrafast electronic relaxation in superheated bismuth. New Journal of Physics, 2013, 15, 013035.	1.2	16
95	Phase Transformation in Laser-Induced Micro-Explosion in Olivine (Fe,Mg) ₂ SiO ₄ . Advanced Engineering Materials, 2014, 16, 767-773.	1.6	16
96	Nano-phase separation of arsenic tri-sulphide (As ₂ S ₃) film and its effect on plasma etching. Journal of Non-Crystalline Solids, 2007, 353, 953-955.	1.5	15
97	Carbon nanofoam as a potential hydrogen storage material. Physica Status Solidi (B): Basic Research, 2007, 244, 4308-4310.	0.7	15
98	Formation of diamond-like carbon films and carbon foam by ultrafast laser ablation. Laser and Particle Beams, 2000, 18, 245-254.	0.4	14
99	A protective layer on As ₂ S ₃ film for photo-resist patterning. Journal of Non-Crystalline Solids, 2008, 354, 5253-5254.	1.5	14
100	Cluster formation through the action of a single picosecond laser pulse. Journal of Physics: Conference Series, 2007, 59, 762-768.	0.3	13
101	Ultrafast anisotropic disordering in graphite driven by intense hard X-ray pulses. High Energy Density Physics, 2019, 32, 63-69.	0.4	13
102	Three-dimensional write-read-erase memory bits by femtosecond laser pulses in photorefractive LiNbO ₃ crystals. Current Applied Physics, 2008, 8, 416-419.	1.1	12
103	Investigation of the structure of GexAsySe1-x-y glasses by x-ray photoelectron spectroscopy. Journal of Applied Physics, 2008, 103, 083537.	1.1	12
104	Confined micro-explosion induced by ultrashort laser pulse at SiO ₂ /Si interface. Applied Physics A: Materials Science and Processing, 2014, 114, 33-43.	1.1	12
105	Ultrashort pulsed laser ablation of granite for stone conservation. Optics and Laser Technology, 2022, 151, 108057.	2.2	12
106	SU-8 protective layer in photo-resist patterning on As ₂ S ₃ film. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 3183-3186.	0.8	11
107	Lifetime of optical phonons in fs-laser excited bismuth. Applied Physics A: Materials Science and Processing, 2008, 92, 873-876.	1.1	10
108	Using Diffuse Scattering to Observe X-Ray-Driven Nonthermal Melting. Physical Review Letters, 2021, 126, 015703.	2.9	10

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109	<title>Three-dimensional recording and structuring of chalcogenide glasses by femtosecond pulses</title>. , 2004, , .		9
110	Physical Aging of Arsenic Trisulfide Thick Films and Bulk Materials. Journal of the American Ceramic Society, 2007, 90, 1269-1271.	1.9	9
111	Effect of polarization on transport of particles in air by optical vortex beam. Journal of Optics (United Kingdom), 2012, 14, 055302.	1.0	9
112	Post-sample aperture for low background diffraction experiments at X-ray free-electron lasers. Journal of Synchrotron Radiation, 2017, 24, 1296-1298.	1.0	8
113	The investigation of heating and compression of high-aspect ratio targets with $\hat{\text{D}}\text{elfin-1}\hat{\text{E}}^{\text{TM}}$. Laser and Particle Beams, 1984, 2, 103-119.	0.4	7
114	Surface Roughness in Plasma-Etched $\text{As}_{2}\text{S}_{3}$ Films: Its Origin and Improvement. IEEE Nanotechnology Magazine, 2008, 7, 285-290.	1.1	7
115	Electron-phonon energy relaxation in bismuth excited by ultrashort laser pulse: temperature and fluence dependence. Applied Physics A: Materials Science and Processing, 2013, 110, 529-535.	1.1	7
116	Femtosecond laser-induced confined microexplosion: tool for creation high-pressure phases. MRS Advances, 2016, 1, 1149-1155.	0.5	7
117	Pulsation of harmonic and $\text{K}\hat{\pm}$ emission from laser-produced plasmas. Physical Review E, 1993, 47, 2778-2784.	0.8	6
118	Dynamic axial control over optically levitating particles in air with an electrically-tunable variable-focus lens. Biomedical Optics Express, 2016, 7, 2902.	1.5	6
119	Investigation of the effects of femtosecond laser metal surface texturing on bonding of PA $\hat{\text{E}}\text{6}$ to steel. Procedia Manufacturing, 2019, 29, 313-320.	1.9	6
120	Ablation of dental enamel using subpicosecond pulsed lasers. International Congress Series, 2003, 1248, 117-119.	0.2	5
121	Subpicosecond and picosecond laser ablation of dental enamel: comparative analysis. , 2004, 5340, 76.		5
122	Integrated shadow mask for sampled Bragg gratings in chalcogenide ($\text{As}_{2}\text{S}_{3}$) planar waveguides. Optics Express, 2007, 15, 7708.	1.7	5
123	Structural Characterization of Femtosecond Laser Modified Regions Inside Sapphire. Journal of Nanoscience and Nanotechnology, 2011, 11, 2931-2936.	0.9	5
124	Extreme Energy Density Confined Inside a Transparent Crystal: Status and Perspectives of Solid-Plasma-Solid Transformations. Nanomaterials, 2018, 8, 555.	1.9	5
125	X-ray focusing using lobster-eye optics: a comparison of theory with experiment. , 1995, , .		4
126	Beam smoothing and temporal effects:Optimized preparation of laser beams for direct-drive inertial confinement fusion. Laser and Particle Beams, 1997, 15, 277-295.	0.4	4

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127	Laser-matter interaction in the bulk of transparent dielectrics: Confined micro-explosion. Journal of Physics: Conference Series, 2007, 59, 5-10.	0.3	4
128	Error-free 640 Gbit/s demultiplexing using a chalcogenide planar waveguide chip. , 2008, , .		4
129	Reply to Comment on Water Droplet Motion Control on Superhydrophobic Surfaces: Exploiting the Wenzel-to-Cassie Transition. Langmuir, 2011, 27, 13962-13963.	1.6	4
130	Synthesis of super-dense phase of aluminum under extreme pressure and temperature conditions created by femtosecond laser pulses in sapphire. , 2012, , .		4
131	Transient Dielectric Function of Fs-Laser Excited Bismuth. Springer Series in Chemical Physics, 2009, , 217-219.	0.2	4
132	Measurement of the dynamics of the compression of high aspect-ratio shell targets in the "Delfin-1" installation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 105, 410-414.	0.9	3
133	Measurement of X-Ray Spectral Line Wavelengths by Using Two Bragg Reflections. Journal of X-Ray Science and Technology, 1990, 2, 149-159.	0.7	3
134	Preheating in the laser-driven compression of thermonuclear targets. Physical Review A, 1991, 43, 3024-3034.	1.0	3
135	<title>Ultrafast ablation with high-pulse-rate Nd:YAG lasers: II. Experiments on deposition of diamondlike carbon films</title>. , 1998, , .		3
136	Applications of high-power slow mode-locked lasers for ablation and nonlinear optics. , 2004, , .		3
137	Positive magnetisation in carbon nanostructures. Current Applied Physics, 2006, 6, 549-552.	1.1	3
138	Ultrafast Laser Induced Confined Microexplosion: A New Route to Form Super-Dense Material Phases. Springer Series in Materials Science, 2014, , 3-26.	0.4	3
139	<title>Capillary x-ray optics</title>. , 1993, 1741, 40.		2
140	Dynamics of light-induced reflectivity switching in gallium films deposited on silica by pulsed laser ablation: "Ferrata. Optics Letters, 2001, 26, 852.	1.7	2
141	Ultrafast Laser Ablation and Film Deposition. , 2006, , 99-129.		2
142	Ultrafast lasers for conservation of heritage artefacts. AICCM Bulletin, 2006, 30, 17-26.	0.1	2
143	Effects of non-equilibrium energy distribution of surface atoms on the onset and rate of laser ablation: experiments and theory. , 2006, 6261, 560.		2
144	Laser-Matter Interaction Confined Inside the Bulk of a Transparent Solid. , 2006, , 5-36.		2

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145	Surface Oxidation of Ge ₃₃ As ₁₂ Se ₅₅ Films. Journal of the American Ceramic Society, 2008, 91, 2371-2373.	1.9	2
146	Speckle field as a multiple particle trap. Proceedings of SPIE, 2010, , .	0.8	2
147	Optical Pipeline: Trapping and Guiding of Airborne Particles. Optics and Photonics News, 2010, 21, 37.	0.4	2
148	Quasi-Bessel hollow beam as optical guide for micro-particles. , 2013, , .		2
149	[INVITED] Coupling of polarisation of high frequency electric field and electronic heat conduction in laser created plasma. Optics and Laser Technology, 2016, 82, 69-71.	2.2	2
150	<title>Ultrafast ablation with high-pulse-repetition-rate lasers: I. Theoretical considerations</title>. , 1998, 3343, 847.		1
151	Optical characterization of Ge-As-Se glasses containing high content of germanium. , 2006, , .		1
152	Reflectivity oscillations of fs-laser excited Bismuth: excitation of coherent phonons. , 2006, 6261, 198.		1
153	Expansion-limited nanocluster growth in a plume formed by MHz-pulse-rate laser ablation. , 2006, , .		1
154	Advanced processing methods for As₂S₃ Waveguide Fabrication. , 2006, , .		1
155	Fabrication and Optical Characterization of Ge ₃₃ As ₁₂ Se ₅₅ (AMTIR-1) Thin Film Waveguides. , 2006, , .		1
156	Speckle Field As A Multiple Particle Trap. AIP Conference Proceedings, 2010, , .	0.3	1
157	Super-dense Al formed by ultrafast laser microexplosion. , 2011, , .		1
158	Polarization-sensitive Femtosecond Laser Ablation with Tightly Focused Vortex Pulses. , 2012, , .		1
159	Developing a needle-like optical funnel: numerical modelling. , 2019, , .		1
160	Formation of nanochannels in sapphire with ultrashort Bessel pulses. Optics Express, 2022, 30, 6016.	1.7	1
161	Hearts and Homes: The Potential of Conservation Laser Cleaning for Post-disaster Wellbeing and Waste Reduction. Studies in Conservation, 2022, 67, 309-318.	0.6	1
162	<title>Aberrations of images formed by curved capillary arrays and crystals</title>. , 1994, 2011, 161.		0

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163	<title>Focusing of synchrotron x-ray radiation with cylindrically curved arrays of reflectors</title>. , 1994, 2279, 305.		0
164	One-dimensional focusing of synchrotron x-ray radiation with curved arrays of reflectors. Review of Scientific Instruments, 1995, 66, 2197-2199.	0.6	0
165	Evidence of magnetic fields imprinted in ferromagnetic targets by the spontaneous magnetic field of a laser-produced plasma demonstrated by after-pulse pulsations of K α emission. Physics of Plasmas, 1997, 4, 3676-3683.	0.7	0
166	Acceleration of carbon ions in a skin-layer interaction regime in laser ablation experiments. , 2000, , .		0
167	Generation of third-harmonic radiation of IR picosecond lasers for ultrafast pulsed laser deposition. , 2003, , .		0
168	Transient dielectric function of Gallium undergoing order-disorder phase transition induced by femtosecond laser pulses. , 2003, , .		0
169	Wavelength dispersion of Verdet constant in Ge ₂₂ As ₂₀ Se ₅₈ , Ge ₃₃ As ₁₂ Se ₅₅ and As ₂ S ₃ chalcogenide thin films. , 2006, , .		0
170	Expansion-Limited Nanocluster Growth in a Plume Formed by MHz-Pulse-Rate Laser Ablation. , 2006, , .		0
171	Low loss etched Ge ₃₃ As ₁₂ Se ₅₅ chalcogenide waveguides. , 2006, , .		0
172	Magnetic ordering and spin-glass behaviour of carbon nanoclusters. , 2006, , .		0
173	Non-equilibrium transformations of solids induced by femtosecond laser: coherent displacement of atoms. , 2006, 6261, 283.		0
174	Nano-scale phase separation in As ₂ S ₃ film and its effect on scattering loss in plasma etched waveguides. , 2006, , .		0
175	Non-equilibrium Transformations of Solids Induced by Femtosecond Laser Pulses. AIP Conference Proceedings, 2006, , .	0.3	0
176	Chalcogenide Glasses for All-optical Processing. , 2006, , .		0
177	Novel Shadow Mask Structure for Sampled Bragg Gratings in Chalcogenide (As ₂ S ₃) Planar Waveguides. , 2007, , .		0
178	Positive Magnetisation in Carbon Nanoclusters Produced by High-Repetition-Rate Laser Ablation. Materials Research Society Symposia Proceedings, 2007, 998, 1.	0.1	0
179	Optimization of the Structural and Optical Properties of Ge-As-Se Glasses. , 2007, , .		0
180	High Quality Comb Filters in Chalcogenide Rib Waveguides. , 2007, , .		0

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181	Photosensitive post-tuning of chalcogenide photonic crystal waveguides. , 2007, , .		0
182	Characteristics of Ge-As-Se chalcogenide glasses and films. , 2007, , .		0
183	Fabrication Process Development for As ₂ S ₃ Planar Waveguides using Standard Semiconductor Processing. , 2007, , .		0
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