

E I Ageev

List of Publications by Year in descending order

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47
papers

419
citations

840585

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794469

19
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49
all docs

49
docs citations

49
times ranked

447
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlled oxide films formation by nanosecond laser pulses for color marking. Optics Express, 2014, 22, 24342.	1.7	64
2	Development of complete color palette based on spectrophotometric measurements of steel oxidation results for enhancement of color laser marking technology. Materials and Design, 2016, 89, 684-688.	3.3	46
3	Plasmonic nanosponges filled with silicon for enhanced white light emission. Nanoscale, 2020, 12, 1013-1021.	2.8	32
4	Controlled nanostructures formation on stainless steel by short laser pulses for products protection against falsification. Optics Express, 2018, 26, 2117.	1.7	31
5	Composition analysis of oxide films formed on titanium surface under pulsed laser action by method of chemical thermodynamics. Laser Physics, 2017, 27, 046001.	0.6	24
6	Non-contact ultrasonic acquisition of femtosecond laser-driven ablative Mbar-level shock waves on Ti alloy surface. Applied Physics Letters, 2016, 108, .	1.5	23
7	Laser coloration of titanium films: New development for jewelry and decoration. Optics and Laser Technology, 2017, 93, 9-13.	2.2	23
8	Metal-dielectric nanoantenna for radiation control of a single-photon emitter. Optical Materials Express, 2020, 10, 29.	1.6	15
9	3D Chiral MetaCrystals. Advanced Functional Materials, 2022, 32, 2109258.	7.8	14
10	Single-shot femtosecond laser processing of Al-alloy surface: An interplay between Mbar shock waves, enhanced microhardness, residual stresses, and chemical modification. Optics and Laser Technology, 2020, 126, 106131.	2.2	13
11	Correlated topographic and structural modification on Si surface during multi-shot femtosecond laser exposures: Si nanopolymorphs as potential local structural nanomarkers. Applied Surface Science, 2017, 416, 988-995.	3.1	12
12	Reconfigurable Near-Field Enhancement with Hybrid Metal-Dielectric Oligomers. Laser and Photonics Reviews, 2019, 13, 1800274.	4.4	12
13	Double-pulse femtosecond laser peening of aluminum alloy AA5038: Effect of inter-pulse delay on transient optical plume emission and final surface micro-hardness. Applied Physics Letters, 2016, 109, .	1.5	11
14	Laser cleaning of engraved rolls coupled with spectroscopic control. Optics and Laser Technology, 2013, 54, 170-175.	2.2	10
15	Contact and non-contact ultrasonic diagnostics of shock waves driven by single-shot femtosecond laser ablation of titanium. JETP Letters, 2015, 102, 693-696.	0.4	9
16	Influence of light incident angle on reflectance spectra of metals processed by color laser marking technology. Optical and Quantum Electronics, 2017, 49, 1.	1.5	8
17	Ultrasonic characterization of dry and wet nanosecond laser ablation of solids. International Journal of Heat and Mass Transfer, 2018, 127, 1095-1100.	2.5	8
18	Femtosecond laser filaments in gold colloidal solutions: supercontinuum and ultrasonic tracing. Journal of the Optical Society of America B: Optical Physics, 2019, 36, A125.	0.9	8

#	ARTICLE	IF	CITATIONS
19	Generation of web-like structures and nanoparticles by femtosecond laser ablation of silicon target in ambient air. <i>Optical and Quantum Electronics</i> , 2017, 49, 1.	1.5	7
20	Ultrafast Broadband Nonlinear Spectroscopy of a Colloidal Solution of Gold Nanoparticles. <i>JETP Letters</i> , 2019, 109, 298-302.	0.4	7
21	Filamentation of an Ultrashort Laser Pulse in a Medium with Artificial Nonlinearity. <i>JETP Letters</i> , 2019, 109, 432-436.	0.4	6
22	Double-pulse femtosecond laser ablation of the surface of stainless steel with variable interpulse delays. <i>JETP Letters</i> , 2016, 104, 421-424.	0.4	4
23	Evolution of size distribution of Si nanoparticles produced by pulsed laser ablation in water. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	4
24	Time-resolved detection of structural change in polyethylene films using mid-infrared laser pulses. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	3
25	Evolution of thin silver films under exposure to laser pulses in the air. <i>Optical and Quantum Electronics</i> , 2017, 49, 1.	1.5	3
26	Nonlinear optical properties of Sponge Si/Au nanoparticle. <i>Journal of Physics: Conference Series</i> , 2020, 1461, 012081.	0.3	3
27	Femtosecond Laser Fabrication of Hybrid Metal-Dielectric Structures with Nonlinear Photoluminescence. <i>Photonics</i> , 2021, 8, 121.	0.9	3
28	Femtosecond Laser-Assisted Formation of Hybrid Nanoparticles from Bi-Layer Gold-Silicon Films for Microscale White-Light Source. <i>Nanomaterials</i> , 2022, 12, 1756.	1.9	3
29	Modification of photosensitive glass-ceramic Foturan by ultrashort laser pulses. <i>Proceedings of SPIE</i> , 2010, , .	0.8	2
30	Study of the processes by which a photosensitive glass-ceramic is modified with the radiation of a CO ₂ laser. <i>Journal of Optical Technology (A Translation of Opticheskii Zhurnal)</i> , 2012, 79, 376.	0.2	2
31	Formation of nanoparticles from thin silver films under a liquid layer by single-shot nanosecond laser action. <i>Optical and Quantum Electronics</i> , 2020, 52, 1.	1.5	2
32	Formation of Luminescent Structures in Thin a-Si:H-Er Films Irradiated by Femtosecond Laser Pulses. <i>JETP Letters</i> , 2021, 114, 681-686.	0.4	2
33	Evolution of size distribution and structure of Si and SiO ₂ nanoparticles: laser-assisted formation and fragmentation. <i>Journal of Physics: Conference Series</i> , 2017, 917, 032027.	0.3	1
34	Purcell effect control in oligomer based active nanoantenna for the near-IR wavelength range. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
35	Laser annealing process for the tuning of the hybrid-sponge nanostructure photoluminescence. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
36	Hybrid Resonant Metal-dielectric Nanostructures for Local Color Generation. <i>JETP Letters</i> , 0, , 1.	0.4	1

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37	Optical resonant properties of plasmonic helices in visible range. AIP Conference Proceedings, 2020, , .	0.3	0
38	Polarized laser reshaping and near-field-enhanced applications in hybrid nanostructures. , 2019, , .		0
39	Tuning of far-field and near-field via fs-laser in various hybrid oligomers. Journal of Physics: Conference Series, 2020, 1461, 012172.	0.3	0
40	Laser fabrication of hybrid nanostructures with nonlinear response. , 2020, , .		0
41	Numerical modelling of scattering properties of tunable hybrid nanostructures. AIP Conference Proceedings, 2020, , .	0.3	0
42	Laser-induced periodic surface structures with broadband photoluminescence signal. AIP Conference Proceedings, 2020, , .	0.3	0
43	Purcell effect control in active silicon dielectric nanoantenna for the near-IR wavelength range. Journal of Physics: Conference Series, 2020, 1461, 012195.	0.3	0
44	Dielectric nanocavity for the emission control of a single-photon source. , 2020, , .		0
45	Fluorescence lifetime-based intracellular thermometry for photothermal therapy. Journal of Physics: Conference Series, 2021, 2015, 012107.	0.3	0
46	Up-conversion photoluminescence specificity of a hybrid sponge nanostructures. Journal of Physics: Conference Series, 2021, 2015, 012082.	0.3	0
47	Dielectric metasurface for emission control of magnetic dipole in the near-IR wavelength range. Journal of Physics: Conference Series, 2021, 2015, 012165.	0.3	0