

Valery A Svetlichnyi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4279778/publications.pdf>

Version: 2024-02-01

262
papers

2,472
citations

236925

25
h-index

330143

37
g-index

265
all docs

265
docs citations

265
times ranked

2261
citing authors

#	ARTICLE	IF	CITATIONS
1	CeO ₂ -supported Pt–Ag bimetallic catalysts for 4-nitrophenol reduction. <i>Catalysis Today</i> , 2022, 384-386, 12-24.	4.4	15
2	Laser-assisted preparation of highly-efficient photocatalytic nanomaterial based on bismuth silicate. <i>Applied Surface Science</i> , 2022, 575, 151732.	6.1	18
3	Green laser ablation-based synthesis of functional nanomaterials for generation, storage, and detection of hydrogen. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2022, 33, 100566.	5.9	13
4	Photoactive bismuth silicate catalysts: Role of preparation method. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 425, 113670.	3.9	5
5	Structure–and Interaction–Based Design of Anti–SARS–CoV–2 Aptamers. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	9
6	Study of RBO ₃ -ScBO ₃ phase diagrams and RSc ₃ (BO ₃) ₄ orthoborates (R = La, Pr and Nd). <i>Journal of Alloys and Compounds</i> , 2022, 905, 164162.	5.5	2
7	Effect of Laser and Temperature Treatment on the Optical Properties of Titanium Dioxide Nanoparticles Prepared Via Pulsed Laser Ablation. <i>Russian Physics Journal</i> , 2022, 64, 2115-2122.	0.4	3
8	Synthesis and Growth of Rare Earth Borates NaSrR(BO ₃) ₂ (R = Ho–Lu, Y, Sc). <i>Inorganic Chemistry</i> , 2022, 61, 7497-7505.	4.0	6
9	Electrochemical Study of Semiconductor Properties for Bismuth Silicate-Based Photocatalysts Obtained via Hydro-/Solvothermal Approach. <i>Materials</i> , 2022, 15, 4099.	2.9	1
10	Insights into formation of Pt species in Pt/CeO ₂ catalysts: Effect of treatment conditions and metal-support interaction. <i>Catalysis Today</i> , 2021, 375, 36-47.	4.4	35
11	Polymorphism in SmSc ₃ (BO ₃) ₄ : Crystal structure, luminescent and SHG properties. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156825.	5.5	12
12	<i>in situ</i> probing of Pt/TiO ₂ activity in low-temperature ammonia oxidation. <i>Catalysis Science and Technology</i> , 2021, 11, 250-263.	4.1	26
13	Structure and Properties of Biodegradable PLLA/ZnO Composite Membrane Produced via Electrospinning. <i>Materials</i> , 2021, 14, 2.	2.9	18
14	Study of an EuBO ₃ –ScBO ₃ system and EuSc ₃ (BO ₃) ₄ , EuSc(BO ₃) ₂ orthoborates. <i>Dalton Transactions</i> , 2021, 50, 13894-13901.	3.3	3
15	Study of an SmBO ₃ –ScBO ₃ system and new SmSc(BO ₃) ₂ orthoborate. <i>CrystEngComm</i> , 2021, 23, 1482-1488.	2.6	3
16	Water–ethanol CuOx nanoparticle colloids prepared by laser ablation: Colloid stability and catalytic properties in nitrophenol hydrogenation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 613, 126115.	4.7	16
17	CO oxidation activity of Pt/CeO ₂ catalysts below 0 °C: platinum loading effects. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119931.	20.2	83
18	Potential of Sub-THz-Wave Generation in Li ₂ B ₄ O ₇ Nonlinear Crystal at Room and Cryogenic Temperatures. <i>Crystals</i> , 2021, 11, 1321.	2.2	2

#	ARTICLE	IF	CITATIONS
19	Development of Electrochemical Aptasensor for Lung Cancer Diagnostics in Human Blood. <i>Sensors</i> , 2021, 21, 7851.	3.8	6
20	Bismuth silicates: preparation by pulsed laser ablation and photocatalytic activity. , 2021, , .		0
21	Interface features and electronic structure of Bi ₂ SiO ₅ /Bi ₂ O ₃ hetero-junction. , 2021, , .		0
22	The dielectric tensor rotation angle and optical properties of a nonlinear crystal of bismuth triborate in the millimeter-wave range. , 2021, , .		0
23	Ferromagnetic Driven THz Filters with Sectioned 3D Printed Cells. , 2021, , .		0
24	Antibacterial Ferroelectric Hybrid Membranes Fabricated via Electrospinning for Wound Healing. <i>Membranes</i> , 2021, 11, 986.	3.0	6
25	ACTIVATION OF Au@CeO ₂ COMPOSITES PREPARED BY PULSED LASER ABLATION IN THE REACTION OF LOW-TEMPERATURE CO OXIDATION. <i>Journal of Structural Chemistry</i> , 2021, 62, 1918-1934.	1.0	6
26	Growth and crystal structure of Li ₃ Ba ₄ Sc ₃ B ₈ O ₂₂ borate and its Tb ³⁺ -doped green-emitting phosphor. <i>Journal of Luminescence</i> , 2020, 217, 116755.	3.1	9
27	The influence of the preparation method on catalytic properties of Mo@Fe@O/SiO ₂ catalysts in selective oxidation of 1,2-propanediol. <i>Catalysis Today</i> , 2020, 357, 399-408.	4.4	4
28	Oxidative dehydrogenation of ethanol on modified OMS-2 catalysts. <i>Catalysis Today</i> , 2020, 357, 503-510.	4.4	12
29	Mechanical activation for soft synthesis of bismuth silicates. <i>Ceramics International</i> , 2020, 46, 10797-10806.	4.8	13
30	Nd ³⁺ and Pr ³⁺ doped anti-zeolite matrix-LiBa ₁₂ (BO ₃) ₇ F ₄ : Crystal structures, luminescence properties. <i>Materials Chemistry and Physics</i> , 2020, 247, 122612.	4.0	7
31	Synthesis and growth of new rare earth borates KCaR(BO ₃) ₂ (R= La, Pr and Nd). <i>Journal of Solid State Chemistry</i> , 2020, 282, 121091.	2.9	12
32	A Study of Pt/Al ₂ O ₃ Nanocomposites Obtained by Pulsed Laser Ablation to Be Used as Catalysts of Oxidation Reactions. <i>Journal of Structural Chemistry</i> , 2020, 61, 316-329.	1.0	7
33	Influence of Titania Synthesized by Pulsed Laser Ablation on the State of Platinum during Ammonia Oxidation. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4699.	2.5	18
34	Photocatalytic Activity of Zinc Oxide Nanoparticles Prepared by Laser Ablation in a Decomposition Reaction of Rhodamine B. <i>Russian Physics Journal</i> , 2020, 63, 1429-1437.	0.4	4
35	Nanocrystalline Cobalt Ferrite Powders by Spray Solution Combustion Synthesis. <i>International Journal of Self-Propagating High-Temperature Synthesis</i> , 2020, 29, 1-9.	0.5	3
36	Highly Defective Dark Nano Titanium Dioxide: Preparation via Pulsed Laser Ablation and Application. <i>Materials</i> , 2020, 13, 2054.	2.9	27

#	ARTICLE	IF	CITATIONS
37	Peculiarities of Structure and Morphology of Copper-Cerium Nanopowders Produced by Laser Ablation. Russian Physics Journal, 2020, 63, 150-159.	0.4	2
38	New scandium borates $RxLayScz(BO_3)_4$ ($x+y+z=4$, R=Sm, Tb): Synthesis, growth, structure and optical properties. Materials Research Bulletin, 2020, 126, 110850.	5.2	10
39	Aptamer-Conjugated Superparamagnetic Ferroarabinogalactan Nanoparticles for Targeted Magnetodynamic Therapy of Cancer. Cancers, 2020, 12, 216.	3.7	26
40	Monolayer $MgVO_x/Al_2O_3$ catalysts for propane oxidative dehydrogenation: Insights into a role of structural, redox, and acid-base properties in catalytic performance. Applied Catalysis A: General, 2020, 598, 117574.	4.3	18
41	Iron Oxide Nanopowders Obtained via Pulsed Laser Ablation, for Supercapacitors. Russian Journal of Inorganic Chemistry, 2020, 65, 271-278.	1.3	7
42	Fe and 5BDSR based composite fluoropolymer films for THz photonics applications. , 2020, , .		3
43	Variable THz attenuator based on 5BDSR microparticles in synthetic 80W-90 oil. , 2020, , .		3
44	Effect of extra laser irradiation on the photocatalytic properties of TiO_2 obtained by pulsed laser ablation. , 2020, , .		0
45	Silica-supported Fe-Mo-O catalysts for selective oxidation of propylene glycol. Catalysis Today, 2019, 333, 133-139.	4.4	14
46	Magnetic Properties of Soft Magnetic Alloys 5BDSR and 82K3HSR. Russian Physics Journal, 2019, 62, 411-415.	0.4	6
47	Chemical and Morphological Evolution of Copper Nanoparticles Obtained by Pulsed Laser Ablation in Liquid. Journal of Physical Chemistry C, 2019, 123, 21731-21742.	3.1	44
48	CREATION OF A MAGNETIC DRIVEN GATE FOR THZ RAYS. Progress in Electromagnetics Research M, 2019, 80, 103-109.	0.9	3
49	From highly dispersed Rh^{3+} to nanoclusters and nanoparticles: Probing the low-temperature NO+CO activity of Rh-doped CeO_2 catalysts. Applied Surface Science, 2019, 493, 1055-1066.	6.1	19
50	CS-SFD ALGORITHM FOR GNSS ANTI-JAMMING RECEIVERS. Progress in Electromagnetics Research M, 2019, 79, 91-100.	0.9	1
51	THz Properties of Fe and Ti Oxides Nanoparticles Obtained by Pulsed Laser Ablation. , 2019, , .		1
52	Influence of the reagent types on the characteristics of barium hexaferrites prepared by mechanochemical method. Materials Today Communications, 2019, 21, 100614.	1.9	8
53	Ti, Ni, and TiNi Alloys in the Generation of THz Pulses and Their Use in Bolometers. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 256-260.	0.6	2
54	Agglomeration of iron oxide nanoparticles: pH effect is stronger than amino acid acidity. Journal of Nanoparticle Research, 2019, 21, 1.	1.9	13

#	ARTICLE	IF	CITATIONS
55	Nonlinear optical crystals $K_7Ca_2(B_5O_{10})_3$ ($R^{3+} = Nd, Yb$), growth and properties. Journal of Crystal Growth, 2019, 519, 54-59.	1.5	17
56	Growth and optical properties of $LiTm(WO_4)_2$ crystal. Journal of Alloys and Compounds, 2019, 794, 21-25.	5.5	2
57	Restoration and conservation of old low-quality book paper using aqueous colloids of magnesium oxyhydroxide obtained by pulsed laser ablation. Journal of Cultural Heritage, 2019, 39, 42-48.	3.3	14
58	Development of DNA Aptamers to Native EpCAM for Isolation of Lung Circulating Tumor Cells from Human Blood. Cancers, 2019, 11, 351.	3.7	19
59	Structure and optical properties of nanoparticles obtained by pulsed laser ablation of copper in gases. Journal of Physics: Conference Series, 2019, 1145, 012029.	0.4	1
60	Comparative Study of Physicochemical and Antibacterial Properties of ZnO Nanoparticles Prepared by Laser Ablation of Zn Target in Water and Air. Materials, 2019, 12, 186.	2.9	62
61	Research of Magnetic Fluid in the THz Frequency Range. , 2019, , .		1
62	Experimental Equipment and Methodology for Testing the Irradiation Effect on the Antibacterial Activity of Nanoparticles. , 2019, , .		1
63	Ag-Pd nanoparticles prepared by laser ablation for selective oxidation of propylene glycol to lactic acid. IOP Conference Series: Materials Science and Engineering, 2019, 597, 012010.	0.6	1
64	Aspects of the Formation of Tin Oxide under Annealing of Nanopowders Obtained by Pulsed Laser Ablation of Metallic Tin in Aqueous Media. Russian Physics Journal, 2019, 62, 1529-1537.	0.4	0
65	Influence of different organic fuels on the phase composition, structure parameters and magnetic properties of hexaferrites $BaFe_{12}O_{19}$ synthesized by the sol-gel combustion. Journal of Alloys and Compounds, 2019, 771, 686-698.	5.5	22
66	Structural Insight into Strong $Pt-CeO_2$ Interaction: From Single Pt Atoms to PtO_x Clusters. Journal of Physical Chemistry C, 2019, 123, 1320-1334.	3.1	69
67	Interface interactions and CO oxidation activity of Ag/CeO ₂ catalysts: A new approach using model catalytic systems. Applied Catalysis A: General, 2019, 570, 51-61.	4.3	46
68	Comparative study of magnetite nanoparticles obtained by pulsed laser ablation in water and air. Applied Surface Science, 2019, 467-468, 402-410.	6.1	41
69	Oxidative dehydrogenation of ethane with CO ₂ over CrO _x catalysts supported on Al ₂ O ₃ , ZrO ₂ , CeO ₂ and CexZr1-xO ₂ . Catalysis Today, 2019, 333, 71-80.	4.4	72
70	The impact of photoactivation on the antibacterial effect of nanoparticles obtained by pulsed laser ablation. , 2019, , .		1
71	Laser fragmentation of photocatalyst particles based on bismuth silicates. , 2019, , .		1
72	Nonlinear optical properties of nanoparticles prepared via pulsed laser ablation. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
73	A Selective Pulse-Induction Metal Detector. Russian Physics Journal, 2018, 60, 2249-2251.	0.4	2
74	Transformation of a Pt@CeO ₂ Mechanical Mixture of Pulsed Laser Ablated Nanoparticles to a Highly Active Catalyst for Carbon Monoxide Oxidation. ChemCatChem, 2018, 10, 2232-2247.	3.7	41
75	Optical properties of $\hat{1}^2$ -BBO and potential for THz applications. Journal of Physics: Conference Series, 2018, 951, 012003.	0.4	9
76	Status and Prospects for Developing Electromagnetic Methods and Facilities for Engineer Reconnaissance in Russia. Russian Physics Journal, 2018, 60, 1888-1892.	0.4	1
77	Oxide nonlinear crystals: optical properties and phase-matching for terahertz wave generation. EPJ Web of Conferences, 2018, 195, 06012.	0.3	2
78	$\hat{1}^2$ -BBO: Optical Properties and Phase-Matching for THz Wave Generation. , 2018, , .		1
79	Influence of the Solvent on the Structure and Morphology of Nanoparticles Fabricated by Laser Ablation of Bulk Magnesium Targets. Russian Physics Journal, 2018, 61, 1047-1053.	0.4	5
80	Synthesis of cubic ferrite CoFe ₂ O ₄ by spray pyrolysis. Journal of Physics: Conference Series, 2018, 1115, 042011.	0.4	4
81	Antibacterial activity of zinc oxide nanoparticles obtained by pulsed laser ablation in water and air. MATEC Web of Conferences, 2018, 243, 00017.	0.2	5
82	Ag/SiO _x nanocomposite powders synthesized from colloids obtained by pulsed laser ablation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 553, 80-88.	4.7	9
83	Phase matching in RT KTP crystal for down-conversion into the THz range. Laser Physics Letters, 2018, 15, 075401.	1.4	10
84	Flux growth and optical properties of K ₇ CaY ₂ (B ₅ O ₁₀) ₃ nonlinear crystal. Materials Research Bulletin, 2018, 107, 333-338.	5.2	20
85	Remote Imaging by Nanosecond Terahertz Spectrometer with Standoff Detector. Russian Physics Journal, 2018, 60, 1638-1643.	0.4	3
86	Optical rectification in $\hat{1}^2$ -BBO. , 2018, , .		0
87	Study of iron oxide magnetic nanoparticles obtained via pulsed laser ablation of iron in air. Applied Surface Science, 2018, 462, 226-236.	6.1	31
88	Structure and Optical Properties of Nanocrystalline Titanium Dioxide Prepared via Pulsed Laser Ablation in Liquid. , 2018, , .		2
89	SHG in $\hat{1}^3$ -Ga ₂ S ₃ powder. , 2018, , .		0
90	Visualization of nanoconstructions with DNA-Aptamers for targeted molecules binding on the surface of screen-printed electrodes. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
91	Screening of lung cancer biomarker-proteins with a multiplex electrochemical sensor system based on aptamers. <i>Bulletin of Siberian Medicine</i> , 2018, 17, 13-21.	0.3	0
92	Observation of a different birefringence order at optical and THz frequencies in LBO crystal. <i>Optical Materials</i> , 2017, 66, 94-97.	3.6	13
93	Effects of Silicon Dioxide Nanoparticles on Biological and Physiological Characteristics of <i>Medicago sativa</i> L. nothosubsp. varia (Martyn) in Natural Agroclimatic Conditions of the Subtaiga Zone in Western Siberia. <i>BioNanoScience</i> , 2017, 7, 672-679.	3.5	10
94	Down-converters with doped solid solution crystals GaSe _{1-x} S _x for THz spectrometry. , 2017, , .		0
95	Structure and Properties of Nanocrystalline Iron Oxide Powder Prepared by the Method of Pulsed Laser Ablation. <i>Russian Physics Journal</i> , 2017, 59, 2012-2016.	0.4	8
96	The Influence of Silicon Oxide Nanoparticles on Morphometric Parameters of Monocotyledons and Dicotyledons in Soil and Climatic Conditions of Western Siberia, as well as on Microbiological Soil Properties. <i>BioNanoScience</i> , 2017, 7, 703-711.	3.5	8
97	Characterization and magnetic properties study for magnetite nanoparticles obtained by pulsed laser ablation in water. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	21
98	Redox and Catalytic Properties of Rh _x Ce _{1-x} O ₂ Solid Solution. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26925-26938.	3.1	31
99	Structure and Properties of Nanoparticles Fabricated by Laser Ablation of Bulk Metal Copper Targets in Water and Ethanol. <i>Russian Physics Journal</i> , 2017, 60, 1197-1205.	0.4	9
100	The structure and catalytic properties of Rh-doped CeO ₂ catalysts. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 31883-31897.	2.8	29
101	Structure and magnetic properties of titanium nickelide nanoparticles synthesized by pulsed laser ablation method. <i>Journal of Physics: Conference Series</i> , 2017, 857, 012007.	0.4	1
102	Preparation of γ -AL(OH) ₃ and γ -AL ₂ O ₃ Nanoparticles by the Method of Pulsed Laser Ablation of Metal Aluminum in Water. <i>Russian Physics Journal</i> , 2017, 60, 377-379.	0.4	8
103	Copper Nanoparticles for Ascorbic Acid Sensing in Water on Carbon Screen-printed Electrodes. <i>Analytical Sciences</i> , 2017, 33, 1415-1419.	1.6	6
104	Platinum state in highly active Pt/CeO ₂ catalysts from the X-ray photoelectron spectroscopy data. <i>Journal of Structural Chemistry</i> , 2017, 58, 1152-1159.	1.0	29
105	Long bases standoff THz spectrometer: State-of-the-art and prospective. , 2017, , .		3
106	Optical properties of vanadium and nitrogen doped 4H and 6H-SiC. , 2017, , .		0
107	High-resolution terahertz spectrometer with up to 110 m single-pass base. , 2016, , .		2
108	Down-Conversion of Short-Wavelength Radiation in LBO Crystal. <i>Russian Physics Journal</i> , 2016, 59, 1307-1315.	0.4	5

#	ARTICLE	IF	CITATIONS
109	Optical properties of $\text{PbIn}_6\text{Te}_{10}$ in the long-wave IR. Laser Physics Letters, 2016, 13, 125405.	1.4	4
110	Composite implants coated with biodegradable polymers prevent stimulating tumor progression. AIP Conference Proceedings, 2016, . .	0.4	3
111	Effect of N and F content on structural, optical and photocatalytic methylene blue degradation properties of TiO_2 . Journal of Chemical Research, 2016, 40, 729-734.	1.3	1
112	Production of CeO_2 Nanoparticles by Method of Laser Ablation of Bulk Metallic Cerium Targets in Liquid. Russian Physics Journal, 2016, 58, 1598-1604.	0.4	8
113	Growth and dichroic properties of $\text{LiBa}_{12}(\text{BO}_3)_7\text{F}_4$ crystal. Crystal Research and Technology, 2016, 51, 530-533.	1.3	6
114	Study of Ga_2S_3 crystals grown from melt and PbCl_2 flux. Materials Research Bulletin, 2016, 84, 462-467.	5.2	10
115	Specific features of photoprocesses in the dye merocyanine 540 and its complexes with water. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2016, 121, 190-199.	0.6	0
116	Effect of doping on the mechanical properties of nonlinear GaSe crystals. Russian Metallurgy (Metally), 2016, 2016, 918-923.	0.5	3
117	Identification of Products of Merocyanine 540 Decay by Photolysis and Thermolysis. Russian Physics Journal, 2016, 59, 577-584.	0.4	1
118	Interaction of Humic Acids with Organic Toxicants. Russian Physics Journal, 2016, 59, 597-603.	0.4	3
119	Metal-support interaction in Pd/CeO_2 model catalysts for CO oxidation: from pulsed laser-ablated nanoparticles to highly active state of the catalyst. Catalysis Science and Technology, 2016, 6, 6650-6666.	4.1	74
120	Comments on "Optical properties of borate crystals in the terahertz domain". Optics Communications, 2016, 365, 14-15.	2.1	4
121	ZnO nanoparticles obtained by pulsed laser ablation and their composite with cotton fabric: Preparation and study of antibacterial activity. Applied Surface Science, 2016, 372, 20-29.	6.1	73
122	Synthesis and photocatalytic properties of $\text{SiO}_2\text{-Cd}_2\text{SiO}_4\text{@CdS}$ nanocomposite powders. Russian Journal of Applied Chemistry, 2015, 88, 1248-1254.	0.5	0
123	The formation of calcium phosphate coatings by pulse laser deposition on the surface of polymeric ferroelectric. Applied Surface Science, 2015, 349, 420-429.	6.1	12
124	Photosensitized Reactions of Psoralen and Herbicides Revealed by the Pump-Probe Method. Advanced Materials Research, 2015, 1085, 161-165.	0.3	0
125	Intramolecular photo-physical processes and spectral-luminescence properties of a dye merocyanine 540 and its complexes with water. Proceedings of SPIE, 2015, . .	0.8	0
126	Dispersion properties of sulfur doped gallium selenide crystals studied by THz TDS. Optics Express, 2015, 23, 32820.	3.4	9

#	ARTICLE	IF	CITATIONS
127	Evolution of GaSe<inf>1−x</inf>S<inf>x</inf> phonon absorption peaks with S-doping studied by THz-TDS. , 2015, , .		0
128	Dispersion equations for the entire transparency range of GaSe. , 2015, , .		1
129	Physical origins of double peak phase matching in GaSe. , 2015, , .		0
130	Optical rectification and down-conversion of fs pulses into mid-IR and THz range in GaSe1-xSx. , 2015, , .		1
131	Modification and ab-initio spectroscopic application of modified commerce terahertz spectrometer by using homemade parts. , 2015, , .		0
132	Features of the synthesis of nanocolloid oxides by laser ablation of bulk metal targets in solutions. Proceedings of SPIE, 2015, , .	0.8	5
133	Doped GaSe crystals for laser frequency conversion. Light: Science and Applications, 2015, 4, e362-e362.	16.6	75
134	Physicochemical investigation of nanopowders prepared by laser ablation of crystalline silicon in water. Advanced Powder Technology, 2015, 26, 478-486.	4.1	15
135	Growth and optical properties of solid solution crystals GaSe1~xSx. Materials Chemistry and Physics, 2015, 154, 152-157.	4.0	34
136	Electrode modified by copper nanoparticles for ascorbic acid and dopamine simultaneous determination. Russian Journal of Electrochemistry, 2015, 51, 693-696.	0.9	1
137	Optimization of the Process of Nanoparticle Fabrication by Laser Ablation of Bulk Targets in a Liquid. Russian Physics Journal, 2015, 57, 1789-1792.	0.4	10
138	Features of the electronic structure and photophysical processes in asymmetric and symmetric (dicyanomethylene)-pyran dyes. Optics and Spectroscopy (English Translation of Optika i Tj ETQq0 0 0 rgBT /Overlook 10 Tf 60 297 Td		
139	Carbon electrodes modified by metal nanoparticles obtained by laser ablation method in organic substances determination. Russian Journal of Electrochemistry, 2015, 51, 362-367.	0.9	2
140	Generating femtosecond pulses in the mid-IR and THz ranges in GaSe1 ~ x Te x crystals. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 238-241.	0.6	3
141	Ga<inf>2</inf>S<inf>3</inf>: Optical properties and perspectives for THz applications. , 2015, , .		4
142	Long-wave IR source based on GaSe<inf>1−x</inf>S<inf>x</inf>. , 2015, , .		0
143	LBO: optical properties and potential for THz application. Laser Physics Letters, 2015, 12, 115402.	1.4	14
144	Identification of textile fiber by IR and Raman spectroscopy. , 2014, , .		2

#	ARTICLE	IF	CITATIONS
145	Absorption anisotropy in sulfur doped gallium selenide crystals studied by THz-TDS. <i>Optical Materials Express</i> , 2014, 4, 2451.	3.0	26
146	Solid solution GaSe$\text{GaSe}_{1-x}\text{S}_x$ crystals for THz applications. , 2014, , .		1
147	Synthesis and photocatalytic properties of SiO ₂ /CdO/CdS nanocomposite materials. <i>Russian Journal of Applied Chemistry</i> , 2014, 87, 1599-1606.	0.5	3
148	Two-Photon Absorption of the DCM Molecule under Femtosecond Excitation between 720 and 920Ånm. <i>Russian Physics Journal</i> , 2014, 56, 1046-1052.	0.4	3
149	Optimal Doping of GaSe Crystals for Nonlinear Optics Applications. <i>Russian Physics Journal</i> , 2014, 56, 1250-1257.	0.4	5
150	GaSe:Er ³⁺ crystals for SHG in the infrared spectral range. <i>Optics Communications</i> , 2014, 318, 205-211.	2.1	24
151	Dispersion properties of GaS studied by THz-TDS. <i>CrystEngComm</i> , 2014, 16, 1995.	2.6	14
152	Characterization of optical quality of GaSe:Al crystals by exciton absorption peak parameters. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 1757-1760.	2.2	8
153	Limiting pump intensity for sulfur-doped gallium selenide crystals. <i>Laser Physics Letters</i> , 2014, 11, 055401.	1.4	29
154	Aerodynamic Synthesis of Biocompatible Matrices and their Functionalization by Nanoparticles Obtained by the Method of Laser Ablation. <i>Russian Physics Journal</i> , 2014, 57, 293-300.	0.4	6
155	Comparison of Vanillin and Isovanillin Photolysis in Aqueous Solutions. <i>Russian Physics Journal</i> , 2014, 56, 1287-1291.	0.4	3
156	Impact of fs and ns pulses on indium and sulfur doped gallium selenide crystals. <i>AIP Advances</i> , 2014, 4, .	1.3	25
157	Stability and spectral-luminescence properties of CdS and ZnS nanoparticle dispersions, synthesized in various solvents. <i>Russian Physics Journal</i> , 2013, 56, 273-279.	0.4	9
158	Luminescent solar concentrators. I. Concentrators based on mixtures of dyes in PMMA. Spectral and luminescent properties, reabsorption and energy transfer. <i>Russian Physics Journal</i> , 2013, 56, 225-232.	0.4	2
159	Silver-nanoparticle based bactericidal coating for poly(glycolide-co-lactide) suture threads obtained by the method of laser ablation of bulk targets in alcohol solutions. <i>Russian Physics Journal</i> , 2013, 56, 405-410.	0.4	5
160	Structure and properties of nanoparticles fabricated by laser ablation of Zn metal targets in water and ethanol. <i>Russian Physics Journal</i> , 2013, 56, 581-587.	0.4	38
161	GaSe damage threshold under IR pulse pumping. <i>Proceedings of SPIE</i> , 2013, , .	0.8	1
162	Characterization of Bridgman grown GaSe:Al crystals. <i>CrystEngComm</i> , 2013, 15, 6323.	2.6	30

#	ARTICLE	IF	CITATIONS
163	Optimal doping of GaSe with isovalent elements. Proceedings of SPIE, 2013, , .	0.8	5
164	Optical properties of non-linear crystal grown from the melt GaSeâ€“AgGaSe2. Optics Communications, 2013, 287, 145-149.	2.1	12
165	Silver nanoparticles obtained by laser ablation as the active component of Ag/SiO2 catalysts for CO oxidation. Reaction Kinetics, Mechanisms and Catalysis, 2013, 110, 343-357.	1.7	9
166	Optimal Te-doping in GaSe for non-linear applications. Optics Express, 2012, 20, 5029.	3.4	45
167	Synthesis of noble metals nanoparticles in water by laser ablation method for biomedical applications and cosmetology. , 2012, , .		1
168	Composite fluorescent materials for luminescent solar concentrators — CdS quantum dots in a polymethylmethacrylate. , 2012, , .		0
169	Spectroscopy of the excited-state complex of zinc(II) with 3,3â€“bis(dipyrrolylmethene). High Energy Chemistry, 2012, 46, 122-126.	0.9	6
170	Quantum-chemical study of relation of spectral and luminescent properties of positively solvatochromic malononitrile-based merocyanine dyes with their structure. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2011, 110, 9-19.	0.6	4
171	Dispersion properties of GaSe1-x S x in the terahertz range. Journal of Applied Spectroscopy, 2011, 77, 850-856.	0.7	16
172	Optical properties of CdS/MMA dispersions and CdS/PMMA nanocomposites prepared by one-step, size-controlled synthesis. Russian Physics Journal, 2011, 53, 849-856.	0.4	4
173	Investigation of the toxicity of aqueous media after high-energy exposure by the spectralluminescent methods. Russian Physics Journal, 2011, 54, 627-633.	0.4	3
174	Growth of GaSe and GaS single crystals. Crystal Research and Technology, 2011, 46, 327-330.	1.3	45
175	Thermal denaturation of egg protein under nanosecond pulsed laser heating of gold nanoparticles. Quantum Electronics, 2011, 41, 754-758.	1.0	3
176	Limiting the intensity of femtosecond pulses with anti-stokes excitation of organic dye solutions. Russian Physics Journal, 2010, 53, 270-275.	0.4	0
177	A setup for investigating the absorption spectra of dyes in excited states by the pump-probe method utilizing a fluorescence probe. Instruments and Experimental Techniques, 2010, 53, 575-580.	0.5	5
178	Influence of absorption from excited singlet states on the lasing parameters of polymethine dyes. Quantum Electronics, 2009, 39, 739-744.	1.0	6
179	Parametrical conversion of the frequency of organic lasers into the middle-IR range of the spectrum. Russian Physics Journal, 2009, 52, 640-645.	0.4	8
180	Effect of excited state absorption on the transmissivity of organic-dye-based media under two-photon excitation. Russian Physics Journal, 2009, 52, 661-667.	0.4	1

#	ARTICLE	IF	CITATIONS
181	A double-frequency solid-state laser on organic compounds. Russian Physics Journal, 2009, 52, 655-660.	0.4	3
182	Spectral and luminescent properties of sensitizers based on psoralen substitutes. Russian Physics Journal, 2008, 51, 706-713.	0.4	0
183	Nonlinear optical characteristics and lasing ability of merocyanine dyes having different solvatochromic behaviour. Optics Communications, 2008, 281, 6072-6079.	2.1	17
184	The formation of porous nickel-containing polyacrylate nanocomposites. Russian Journal of Physical Chemistry A, 2008, 82, 2111-2116.	0.6	6
185	Structure and properties of organic nanocomposites for quantum electronics. High Energy Chemistry, 2008, 42, 597-600.	0.9	0
186	Electronic structure and intramolecular photophysical processes of cations of symmetric indopolycarbocyanine dyes. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2008, 105, 339-347.	0.6	7
187	Active media on the basis of hybrid nanocomposites for tunable lasers. , 2007, , .		0
188	Active polymer fibres doped with organic dyes: Generation and amplification of coherent radiation. Quantum Electronics, 2007, 37, 53-59.	1.0	20
189	Two-photon absorption and laser photochemical decomposition of trans-stilbene substitutes. , 2007, 6727, 169.		2
190	Optical limiting and photoprocesses of new indotricarbocyanine dye. Proceedings of SPIE, 2007, , .	0.8	0
191	Photonics of laser-excited symmetric cationic polymethine dyes. Quantum Electronics, 2007, 37, 118-123.	1.0	8
192	Fluorescence and bioluminescence analysis of sequential UV-biological degradation of p-cresol in water. Luminescence, 2007, 22, 29-34.	2.9	20
193	Two-photon absorption and laser photolysis of trans-stilbene substitutes. Optics Communications, 2007, 280, 379-386.	2.1	4
194	Spectroscopic and laser properties of photoexcited organic fluorophores embedded in composite gel systems. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2007, 102, 208-217.	0.6	11
195	Laser photolysis as applied to the determination of the two-photon absorption cross section of trans-stilbene. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2007, 102, 872-877.	0.6	2
196	Specific features of the two-photon absorption of cationic symmetric polymethine dyes. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2007, 103, 753-760.	0.6	5
197	Anti-stokes fluorescence of polymethine dyes excited by a titanium-sapphire laser. Russian Physics Journal, 2007, 50, 267-274.	0.4	19
198	Optical properties of new indotricarbocyanine dye as a limiter of laser radiation power. Journal of Applied Spectroscopy, 2007, 74, 524-532.	0.7	7

#	ARTICLE	IF	CITATIONS
199	<title>Photochemical transformation of methylphenols under different excitation</title>. , 2006, , .		0
200	Spectroscopy of ionic and neutral forms of some substituted porphyrins in ground and excited states. Journal of Molecular Structure, 2006, 787, 184-190.	3.6	7
201	Technique of synthesis and optical properties of CdS/polymethylmethacrylate nanocomposites. Russian Physics Journal, 2006, 49, 1354-1359.	0.4	10
202	Lasing of a DCM dye layer in carbazole-based films. Journal of Applied Spectroscopy, 2006, 73, 194-199.	0.7	3
203	Luminescent analysis of photoinduced detoxification of phenol in the presence of humic substances. Journal of Applied Spectroscopy, 2006, 73, 829-833.	0.7	4
204	Experimental study of nonlinear absorption in polymethine dye solutions by the z-scan method. Quantum Electronics, 2006, 36, 51-55.	1.0	6
205	Laser radiation intensity limiter based on polymethine dyes. Quantum Electronics, 2006, 36, 274-279.	1.0	9
206	Spectral and Luminescent Properties of Some Porphyrin Compounds in Different Electronic States. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2005, 99, 751.	0.6	8
207	Theoretic and Experimental Study of Photoprocesses in Substituted 4-Dicyanomethylene-4H-pyrans. High Energy Chemistry, 2005, 39, 403-407.	0.9	8
208	Spectral-Luminescent and Lasing Properties of Aminocoumarin Derivatives in Thin Polymer Films. Journal of Applied Spectroscopy, 2005, 72, 499-502.	0.7	2
209	Investigation of Spectral-Luminescent and Lasing Properties of Bifluorophoric Molecules. I. Bifluorophores of Linear Structure. Russian Physics Journal, 2005, 48, 189-195.	0.4	1
210	Transient Absorption of Organic Molecules under High-Power Laser Excitation. Russian Physics Journal, 2005, 48, 901-906.	0.4	7
211	Spectral, luminescent, and lasing properties of pyran derivatives in thin acrylic films under optical excitation. Russian Physics Journal, 2005, 48, 1069-1072.	0.4	0
212	Two-photon-induced fluorescence and electronic structure of substituted dicyanomethylene pyrans in solutions under femtosecond excitation. Russian Physics Journal, 2005, 48, 1182-1187.	0.4	3
213	Measurement of the two-photon absorption cross sections of dicyanomethylene-pyrans by the z-scan method. Quantum Electronics, 2005, 35, 415-418.	1.0	14
214	Three-photon absorption of radiation from a Ti:sapphire laser by methylstyrylbenzene. Quantum Electronics, 2005, 35, 649-652.	1.0	1
215	Two-photon excitation of phenalemine 512 by nanosecond pulses of a Nd:YAG laser. Quantum Electronics, 2004, 34, 722-726.	1.0	1
216	Limitation of optical radiation power by organic molecules: II. Porphyrins and phthalocyanines. Quantum Electronics, 2004, 34, 139-146.	1.0	12

#	ARTICLE	IF	CITATIONS
217	Spectral-luminescent and generation properties of rhodamine dyes in thin polymer films under optical excitation. Russian Journal of Applied Chemistry, 2004, 77, 1325-1330.	0.5	0
218	Broadband emission of dye mixtures in films and polymer matrices. Russian Physics Journal, 2004, 47, 1167-1171.	0.4	1
219	Active media for tunable blue-green lasers based on aminocoumarins in polymethylmethacrylate. Applied Physics B: Lasers and Optics, 2004, 78, 183-187.	2.2	7
220	<title>Phototransformation of cresols in water solutions with KrCl-laser excitation</title>. , 2004, , .		2
221	Emission of Concentrated Solutions of Organic Compounds Excited with High-Power Laser Radiation. Russian Physics Journal, 2003, 46, 470-477.	0.4	3
222	Specific Features of XeCl*-Laser Radiation Absorption by Concentrated Solutions of Organic Dyes. Russian Physics Journal, 2003, 46, 493-499.	0.4	1
223	Solid-state active media based on aminocoumarins. Quantum Electronics, 2003, 33, 498-502.	1.0	13
224	Limitation of high-power optical radiation by organic molecules: I. Substituted pyranes and cyanine dyes. Quantum Electronics, 2003, 33, 967-974.	1.0	17
225	Two-photon excitation of dyes in a polymer matrix by femtosecond pulses from a Ti:sapphire laser. Quantum Electronics, 2003, 33, 803-806.	1.0	9
226	Spectral, luminescent and lasing properties of pyran derivatives. Quantum Electronics, 2003, 33, 807-810.	1.0	4
227	Comparative analysis of the laser and lamp radiation absorption by the aqueous media with phenols. , 2003, , .		0
228	Photolysis of water phenol solutions under UV excitation by KrCl laser and KrCl excilamp. , 2002, , .		1
229	Improvement of photodecomposition methods of phenol containing exotoxins in aqueous media. , 2002, 4747, 240.		1
230	The fluorescence analysis of laser photolysis of phenols in water. International Journal of Photoenergy, 2002, 4, 79-83.	2.5	6
231	Phototransformations of Phenols in Aqueous Solutions under Different Excitation Modes. High Energy Chemistry, 2002, 36, 272-275.	0.9	6
232	Title is missing!. High Energy Chemistry, 2002, 36, 338-343.	0.9	6
233	Solid-state active media of tunable organic-compound lasers pumped with a laser. I. An XeCl laser. Applied Physics B: Lasers and Optics, 2001, 73, 25-29.	2.2	3
234	Photolysis of Phenol and para-Chlorophenol by UV Laser Excitation. High Energy Chemistry, 2001, 35, 258-264.	0.9	18

#	ARTICLE	IF	CITATIONS
235	Effect of cooperative interactions in optical ensembles on the threshold characteristics of lasing in the case of coherent optical pumping. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBT /@verlock	1.4	10
236	Phototransformations of substituted p-terphenyl upon excitation by a XeCl laser. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2000, 89, 514-518.	0.6	2
237	<title>Solid state active media with laser pumping</title>. , 2000, 4070, 122.		0
238	Emission of organic dyes in the case of nonlinear absorption upon excitation by the XeCl* laser. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2000, 89, 236-242.	0.6	0
239	Fluorescence Investigations of Phenol Phototransformation in Aqueous Solutions. Journal of Fluorescence, 2000, 10, 403-408.	2.5	12
240	Radiative and photochemical properties of organic compounds excited by high-power XeCl laser radiation. Quantum Electronics, 2000, 30, 489-494.	1.0	1
241	Lasing of dyes in polymer matrices in the UV and visible regions. Quantum Electronics, 2000, 30, 387-392.	1.0	8
242	Phototransformations of Substituted p-Terphenyl Upon Excitation by a XeCl Laser. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2000, 89, 514.	0.6	2
243	Effect of Cooperative Interactions in Optical Ensembles on the Threshold Characteristics of Lasing in the Case of Coherent Optical Pumping. Optics and Spectroscopy (English Translation of Optika I) Tj ETQq1 1 0.784314 rgBT /@verlock	1.4	10
244	Laser system: powerful XeCl* laser-dye laser for ecological monitoring of the atmosphere. , 1999, 3983, 428.		0
245	Blue-green laser radiation from dyes in matrix. , 1998, , .		1
246	Specific features of spontaneous and stimulated molecular radiation in high-power laser beams. , 1998, , .		0
247	Radiative properties of organic molecules in strong photon fields. Russian Physics Journal, 1997, 40, 375-379.	0.4	0
248	New mechanism of protection of an organism from free radxcals of an external environmental. , 0, , .		0
249	Two-photon pumped fluorescence and lasing of phenalenon derivatives. , 0, , .		0
250	Nonlinear processes in organic molecules under high power laser excitation. , 0, , .		0
251	Solid state active media for tunable organic-compounds laser. , 0, , .		0
252	Spectroscopic investigation of new BIS(phthalocyaninato)lanthanide complexes for optical limitation of powerful laser radiation. , 0, , .		0

#	ARTICLE	IF	CITATIONS
253	Synthesis of CdS Nanoparticles by Laser Ablation of Metallic Cadmium Target in Presence Different Precursors. <i>Advanced Materials Research</i> , 0, 1085, 182-186.	0.3	14
254	Metal Oxide Nanoparticle Preparation by Pulsed Laser Ablation of Metallic Targets in Liquid. , 0, , .		9
255	Novel Composite Material SiO ₂ ·xH ₂ O·yCdS/SiO ₂ ·4H ₂ O@CdS: Synthesis, Properties, Application. <i>Key Engineering Materials</i> , 0, 683, 312-317.	0.4	1
256	Spectral-Luminescence Properties of Water Dispersions of CdS and Ag Nanoparticles Stabilized with Na ₂ SiO ₃ . <i>Key Engineering Materials</i> , 0, 683, 325-330.	0.4	2
257	Synthesis and Characterization of CeO ₂ Nanoparticles. <i>Key Engineering Materials</i> , 0, 683, 281-287.	0.4	5
258	Optical Rectification in Doped GaSe Crystals. <i>Key Engineering Materials</i> , 0, 683, 237-242.	0.4	0
259	Synthesis and Bridgman Growth of Ga ₂ S ₃ Crystals. <i>Key Engineering Materials</i> , 0, 683, 71-76.	0.4	5
260	Cu ₂ O Water Dispersions and Nano-Cu ₂ O/Fabric Composite: Preparation by Pulsed Laser Ablation, Characterization and Antibacterial Properties. <i>Nano Hybrids and Composites</i> , 0, 13, 75-81.	0.8	9
261	Comparative Study of Bismuth Composites Obtained via Pulsed Laser Ablation in a Liquid and in Air for Photocatalytic Application. <i>Solid State Phenomena</i> , 0, 312, 172-178.	0.3	4
262	Increased Antibacterial Activity by Photoactivation of Composites Based on ZnO Nanoparticles. <i>Solid State Phenomena</i> , 0, 312, 303-308.	0.3	0