

Valery A Svetlichnyi

List of Publications by Year in descending order

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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	CO oxidation activity of Pt/CeO ₂ catalysts below 0 °C: platinum loading effects. Applied Catalysis B: Environmental, 2021, 286, 119931.	20.2	83
2	Doped GaSe crystals for laser frequency conversion. Light: Science and Applications, 2015, 4, e362-e362.	16.6	75
3	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
4	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
5	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
6	Structural Insight into Strong Pt-CeO ₂ Interaction: From Single Pt Atoms to PtO Clusters. Journal of Physical Chemistry C, 2019, 123, 1320-1334.	3.1	69
7	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
8	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
9	Growth of GaSe and GaS single crystals. Crystal Research and Technology, 2011, 46, 327-330.	1.3	45
10	Optimal Te-doping in GaSe for non-linear applications. Optics Express, 2012, 20, 5029.	3.4	45
11	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
12	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
13	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
14	Structure and properties of nanoparticles fabricated by laser ablation of Zn metal targets in water and ethanol. Russian Physics Journal, 2013, 56, 581-587.	0.4	38
15	Insights into formation of Pt species in Pt/CeO ₂ catalysts: Effect of treatment conditions and metal-support interaction. Catalysis Today, 2021, 375, 36-47.	4.4	35
16	Growth and optical properties of solid solution crystals GaSe _{1-x} S _x . Materials Chemistry and Physics, 2015, 154, 152-157.	4.0	34
17	Redox and Catalytic Properties of RhxCe _{1-x} O ₂ Solid Solution. Journal of Physical Chemistry C, 2017, 121, 26925-26938.	3.1	31
18	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

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19	Characterization of Bridgman grown GaSe:Al crystals. CrystEngComm, 2013, 15, 6323.	2.6	30
20	Limiting pump intensity for sulfur-doped gallium selenide crystals. Laser Physics Letters, 2014, 11, 055401.	1.4	29
21	The structure and catalytic properties of Rh-doped CeO ₂ catalysts. Physical Chemistry Chemical Physics, 2017, 19, 31883-31897.	2.8	29
22	Platinum state in highly active Pt/CeO ₂ catalysts from the X-ray photoelectron spectroscopy data. Journal of Structural Chemistry, 2017, 58, 1152-1159.	1.0	29
23	Highly Defective Dark Nano Titanium Dioxide: Preparation via Pulsed Laser Ablation and Application. Materials, 2020, 13, 2054.	2.9	27
24	Absorption anisotropy in sulfur doped gallium selenide crystals studied by THz-TDS. Optical Materials Express, 2014, 4, 2451.	3.0	26
25	Aptamer-Conjugated Superparamagnetic Ferroarabinogalactan Nanoparticles for Targeted Magnetodynamic Therapy of Cancer. Cancers, 2020, 12, 216.	3.7	26
26	<i>In situ</i> probing of Pt/TiO ₂ activity in low-temperature ammonia oxidation. Catalysis Science and Technology, 2021, 11, 250-263.	4.1	26
27	Impact of fs and ns pulses on indium and sulfur doped gallium selenide crystals. AIP Advances, 2014, 4, .	1.3	25
28	GaSe:Er ³⁺ crystals for SHG in the infrared spectral range. Optics Communications, 2014, 318, 205-211.	2.1	24
29	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
30	Characterization and magnetic properties study for magnetite nanoparticles obtained by pulsed laser ablation in water. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	21
31	Active polymer fibres doped with organic dyes: Generation and amplification of coherent radiation. Quantum Electronics, 2007, 37, 53-59.	1.0	20
32	Fluorescence and bioluminescence analysis of sequential UV-biological degradation of p-cresol in water. Luminescence, 2007, 22, 29-34.	2.9	20
33	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
34	Anti-stokes fluorescence of polymethine dyes excited by a titanium-sapphire laser. Russian Physics Journal, 2007, 50, 267-274.	0.4	19
35	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
36	Development of DNA Aptamers to Native EpCAM for Isolation of Lung Circulating Tumor Cells from Human Blood. Cancers, 2019, 11, 351.	3.7	19

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37	Photolysis of Phenol and para-Chlorophenol by UV Laser Excitation. High Energy Chemistry, 2001, 35, 258-264.	0.9	18
38	Influence of Titania Synthesized by Pulsed Laser Ablation on the State of Platinum during Ammonia Oxidation. Applied Sciences (Switzerland), 2020, 10, 4699.	2.5	18
39	Monolayer MgVOx/Al2O3 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
40	Structure and Properties of Biodegradable PLLA/ZnO Composite Membrane Produced via Electrospinning. Materials, 2021, 14, 2.	2.9	18
41	Laser-assisted preparation of highly-efficient photocatalytic nanomaterial based on bismuth silicate. Applied Surface Science, 2022, 575, 151732.	6.1	18
42	Limitation of high-power optical radiation by organic molecules: I. Substituted pyranes and cyanine dyes. Quantum Electronics, 2003, 33, 967-974.	1.0	17
43	Nonlinear optical characteristics and lasing ability of merocyanine dyes having different solvatochromic behaviour. Optics Communications, 2008, 281, 6072-6079.	2.1	17
44	Nonlinear optical crystals K7CaR2(B5O10)3 (R ²⁺ =Nd, Yb), growth and properties. Journal of Crystal Growth, 2019, 519, 54-59.	1.5	17
45	Dispersion properties of GaSe1-x S x in the terahertz range. Journal of Applied Spectroscopy, 2011, 77, 850-856.	0.7	16
46	Water-ethanol CuOx nanoparticle colloids prepared by laser ablation: Colloid stability and catalytic properties in nitrophenol hydrogenation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 613, 126115.	4.7	16
47	Physicochemical investigation of nanopowders prepared by laser ablation of crystalline silicon in water. Advanced Powder Technology, 2015, 26, 478-486.	4.1	15
48	CeO2-supported Pt-Ag bimetallic catalysts for 4-nitrophenol reduction. Catalysis Today, 2022, 384-386, 12-24.	4.4	15
49	Measurement of the two-photon absorption cross sections of dicyanomethylene-pyrans by thez-scan method. Quantum Electronics, 2005, 35, 415-418.	1.0	14
50	Dispersion properties of GaS studied by THz-TDS. CrystEngComm, 2014, 16, 1995.	2.6	14
51	Synthesis of CdS Nanoparticles by Laser Ablation of Metallic Cadmium Target in Presence Different Precursors. Advanced Materials Research, 0, 1085, 182-186.	0.3	14
52	LBO: optical properties and potential for THz application. Laser Physics Letters, 2015, 12, 115402.	1.4	14
53	Silica-supported Fe-Mo-O catalysts for selective oxidation of propylene glycol. Catalysis Today, 2019, 333, 133-139.	4.4	14
54	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

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55	Solid-state active media based on aminocoumarins. <i>Quantum Electronics</i> , 2003, 33, 498-502.	1.0	13
56	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
57	Agglomeration of iron oxide nanoparticles: pH effect is stronger than amino acid acidity. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	1.9	13
58	Mechanical activation for soft synthesis of bismuth silicates. <i>Ceramics International</i> , 2020, 46, 10797-10806.	4.8	13
59	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
60	Fluorescence Investigations of Phenol Phototransformation in Aqueous Solutions. <i>Journal of Fluorescence</i> , 2000, 10, 403-408.	2.5	12
61	Limitation of optical radiation power by organic molecules: II. Porphyrins and phthalocyanines. <i>Quantum Electronics</i> , 2004, 34, 139-146.	1.0	12
62	Optical properties of non-linear crystal grown from the melt GaSe ϵ AgGaSe ₂ . <i>Optics Communications</i> , 2013, 287, 145-149.	2.1	12
63	The formation of calcium phosphate coatings by pulse laser deposition on the surface of polymeric ferroelectric. <i>Applied Surface Science</i> , 2015, 349, 420-429.	6.1	12
64	Oxidative dehydrogenation of ethanol on modified OMS-2 catalysts. <i>Catalysis Today</i> , 2020, 357, 503-510.	4.4	12
65	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
66	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
67	Spectroscopic and laser properties of photoexcited organic fluorescers embedded in composite gel systems. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2007, 102, 208-217.	0.6	11
68	Technique of synthesis and optical properties of CdS/polymethylmethacrylate nanocomposites. <i>Russian Physics Journal</i> , 2006, 49, 1354-1359.	0.4	10
69	Optimization of the Process of Nanoparticle Fabrication by Laser Ablation of Bulk Targets in a Liquid. <i>Russian Physics Journal</i> , 2015, 57, 1789-1792.	0.4	10
70	Study of Ga ₂ S ₃ crystals grown from melt and PbCl ₂ flux. <i>Materials Research Bulletin</i> , 2016, 84, 462-467.	5.2	10
71	Effects of Silicon Dioxide Nanoparticles on Biological and Physiological Characteristics of <i>Medicago sativa</i> L. nothosubsp. <i>varia</i> (Martyn) in Natural Agroclimatic Conditions of the Subtaiga Zone in Western Siberia. <i>BioNanoScience</i> , 2017, 7, 672-679.	3.5	10
72	Phase matching in RT KTP crystal for down-conversion into the THz range. <i>Laser Physics Letters</i> , 2018, 15, 075401.	1.4	10

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73	New scandium borates $RxLayScz(BO_3)_4$ ($x+y+z=4$, $R=Sm, Tb$): Synthesis, growth, structure and optical properties. <i>Materials Research Bulletin</i> , 2020, 126, 110850.	5.2	10
74	Two-photon excitation of dyes in a polymer matrix by femtosecond pulses from a Ti:sapphire laser. <i>Quantum Electronics</i> , 2003, 33, 803-806.	1.0	9
75	Laser radiation intensity limiter based on polymethine dyes. <i>Quantum Electronics</i> , 2006, 36, 274-279.	1.0	9
76	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
77	Silver nanoparticles obtained by laser ablation as the active component of Ag/SiO ₂ catalysts for CO oxidation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2013, 110, 343-357.	1.7	9
78	Dispersion properties of sulfur doped gallium selenide crystals studied by THz TDS. <i>Optics Express</i> , 2015, 23, 32820.	3.4	9
79	Metal Oxide Nanoparticle Preparation by Pulsed Laser Ablation of Metallic Targets in Liquid. , 0, , .		9
80	Cu₂O Water Dispersions and Nano-Cu₂O/Fabric Composite: Preparation by Pulsed Laser Ablation, Characterization and Antibacterial Properties. <i>Nano Hybrids and Composites</i> , 0, 13, 75-81.	0.8	9
81	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
82	Optical properties of \hat{I}^2 -BBO and potential for THz applications. <i>Journal of Physics: Conference Series</i> , 2018, 951, 012003.	0.4	9
83	Ag/SiO _x nanocomposite powders synthesized from colloids obtained by pulsed laser ablation. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 553, 80-88.	4.7	9
84	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
85	Structure and Interaction Based Design of Anti-SARS-CoV-2 Aptamers. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	9
86	Lasing of dyes in polymer matrices in the UV and visible regions. <i>Quantum Electronics</i> , 2000, 30, 387-392.	1.0	8
87	Spectral and Luminescent Properties of Some Porphyrin Compounds in Different Electronic States. <i>Optics and Spectroscopy (English Translation of Optika I Spektroskopiya)</i> , 2005, 99, 751.	0.6	8
88	Theoretic and Experimental Study of Photoprocesses in Substituted 4-Dicyanomethylene-4H-pyrans. <i>High Energy Chemistry</i> , 2005, 39, 403-407.	0.9	8
89	Photonics of laser-excited symmetric cationic polymethine dyes. <i>Quantum Electronics</i> , 2007, 37, 118-123.	1.0	8
90	Parametrical conversion of the frequency of organic lasers into the middle-IR range of the spectrum. <i>Russian Physics Journal</i> , 2009, 52, 640-645.	0.4	8

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91	Characterization of optical quality of GaSe:Al crystals by exciton absorption peak parameters. Journal of Materials Science: Materials in Electronics, 2014, 25, 1757-1760.	2.2	8
92	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
93	Structure and Properties of Nanocrystalline Iron Oxide Powder Prepared by the Method of Pulsed Laser Ablation. Russian Physics Journal, 2017, 59, 2012-2016.	0.4	8
94	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. BioNanoScience, 2017, 7, 703-711.	3.5	8
95	Preparation of $\hat{\text{I}}^3\text{-AL(OH)}_3$ and $\hat{\text{I}}^3\text{-AL}_2\text{O}_3$ Nanoparticles by the Method of Pulsed Laser Ablation of Metal Aluminum in Water. Russian Physics Journal, 2017, 60, 377-379.	0.4	8
96	Influence of the reagent types on the characteristics of barium hexaferrites prepared by mechanochemical method. Materials Today Communications, 2019, 21, 100614.	1.9	8
97	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
98	Transient Absorption of Organic Molecules under High-Power Laser Excitation. Russian Physics Journal, 2005, 48, 901-906.	0.4	7
99	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
100	Optical properties of new indotricarbocyanine dye as a limiter of laser radiation power. Journal of Applied Spectroscopy, 2007, 74, 524-532.	0.7	7
101	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
102	Nd ³⁺ and Pr ³⁺ doped anti-zeolite matrix-LiBa ₁₂ (BO ₃) ₇ F ₄ : Crystal structures, luminescence properties. Materials Chemistry and Physics, 2020, 247, 122612.	4.0	7
103	A Study of Pt/Al ₂ O ₃ Nanocomposites Obtained by Pulsed Laser Ablation to Be Used as Catalysts of Oxidation Reactions. Journal of Structural Chemistry, 2020, 61, 316-329.	1.0	7
104	Iron Oxide Nanopowders Obtained via Pulsed Laser Ablation, for Supercapacitors. Russian Journal of Inorganic Chemistry, 2020, 65, 271-278.	1.3	7
105	The fluorescence analysis of laser photolysis of phenols in water. International Journal of Photoenergy, 2002, 4, 79-83.	2.5	6
106	Phototransformations of Phenols in Aqueous Solutions under Different Excitation Modes. High Energy Chemistry, 2002, 36, 272-275.	0.9	6
107	Title is missing!. High Energy Chemistry, 2002, 36, 338-343.	0.9	6
108	Experimental study of nonlinear absorption in polymethine dye solutions by thez-scan method. Quantum Electronics, 2006, 36, 51-55.	1.0	6

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109	The formation of porous nickel-containing polyacrylate nanocomposites. Russian Journal of Physical Chemistry A, 2008, 82, 2111-2116.	0.6	6
110	Influence of absorption from excited singlet states on the lasing parameters of polymethine dyes. Quantum Electronics, 2009, 39, 739-744.	1.0	6
111	Spectroscopy of the excited-state complex of zinc(II) with 3,3'-bis(dipyrrolylmethene). High Energy Chemistry, 2012, 46, 122-126.	0.9	6
112	Aerodynamic Synthesis of Biocompatible Matrices and their Functionalization by Nanoparticles Obtained by the Method of Laser Ablation. Russian Physics Journal, 2014, 57, 293-300.	0.4	6
113	Growth and dichroic properties of LiBa ₁₂ (BO ₃) ₇ F ₄ crystal. Crystal Research and Technology, 2016, 51, 530-533.	1.3	6
114	Copper Nanoparticles for Ascorbic Acid Sensing in Water on Carbon Screen-printed Electrodes. Analytical Sciences, 2017, 33, 1415-1419.	1.6	6
115	Magnetic Properties of Soft Magnetic Alloys 5BDSR and 82K3HSR. Russian Physics Journal, 2019, 62, 411-415.	0.4	6
116	Development of Electrochemical Aptasensor for Lung Cancer Diagnostics in Human Blood. Sensors, 2021, 21, 7851.	3.8	6
117	Antibacterial Ferroelectric Hybrid Membranes Fabricated via Electrospinning for Wound Healing. Membranes, 2021, 11, 986.	3.0	6
118	ACTIVATION OF Au@CeO ₂ COMPOSITES PREPARED BY PULSED LASER ABLATION IN THE REACTION OF LOW-TEMPERATURE CO OXIDATION. Journal of Structural Chemistry, 2021, 62, 1918-1934.	1.0	6
119	Synthesis and Growth of Rare Earth Borates NaSrR(BO ₃) ₃ (BO ₃) ₂ (R = Ho@Lu, Y, Sc). Inorganic Chemistry, 2022, 61, 7497-7505.	4.0	6
120	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
121	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
122	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. Russian Physics Journal, 2013, 56, 405-410.	0.4	5
123	Optimal doping of GaSe with isovalent elements. Proceedings of SPIE, 2013, , .	0.8	5
124	Optimal Doping of GaSe Crystals for Nonlinear Optics Applications. Russian Physics Journal, 2014, 56, 1250-1257.	0.4	5
125	Features of the synthesis of nanocolloid oxides by laser ablation of bulk metal targets in solutions. Proceedings of SPIE, 2015, , .	0.8	5
126	Down-Conversion of Short-Wavelength Radiation in LBO Crystal. Russian Physics Journal, 2016, 59, 1307-1315.	0.4	5

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127	Synthesis and Characterization of CeO ₂ Nanoparticles. Key Engineering Materials, 0, 683, 281-287.	0.4	5
128	Synthesis and Bridgman Growth of Ga ₂ S ₃ Crystals. Key Engineering Materials, 0, 683, 71-76.	0.4	5
129	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
130	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
131	Photoactive bismuth silicate catalysts: Role of preparation method. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 425, 113670.	3.9	5
132	Spectral, luminescent and lasing properties of pyran derivatives. Quantum Electronics, 2003, 33, 807-810.	1.0	4
133	Luminescent analysis of photoinduced detoxification of phenol in the presence of humic substances. Journal of Applied Spectroscopy, 2006, 73, 829-833.	0.7	4
134	Two-photon absorption and laser photolysis of trans-stilbene substitutes. Optics Communications, 2007, 280, 379-386.	2.1	4
135	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
136	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
137	Ga ₂ S ₃ : Optical properties and perspectives for THz applications. , 2015, , .		4
138	Optical properties of PbIn ₆ Te ₁₀ in the long-wave IR. Laser Physics Letters, 2016, 13, 125405.	1.4	4
139	Comments on "Optical properties of borate crystals in the terahertz domain" Optics Communications, 2016, 365, 14-15.	2.1	4
140	Synthesis of cubic ferrite CoFe ₂ O ₄ by spray pyrolysis. Journal of Physics: Conference Series, 2018, 1115, 042011.	0.4	4
141	The influence of the preparation method on catalytic properties of Mo-Fe-O/SiO ₂ catalysts in selective oxidation of 1,2-propanediol. Catalysis Today, 2020, 357, 399-408.	4.4	4
142	Photocatalytic Activity of Zinc Oxide Nanoparticles Prepared by Laser Ablation in a Decomposition Reaction of Rhodamine B. Russian Physics Journal, 2020, 63, 1429-1437.	0.4	4
143	Comparative Study of Bismuth Composites Obtained via Pulsed Laser Ablation in a Liquid and in Air for Photocatalytic Application. Solid State Phenomena, 0, 312, 172-178.	0.3	4
144	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

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145	Emission of Concentrated Solutions of Organic Compounds Excited with High-Power Laser Radiation. Russian Physics Journal, 2003, 46, 470-477.	0.4	3
146	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
147	Lasing of a DCM dye layer in carbazole-based films. Journal of Applied Spectroscopy, 2006, 73, 194-199.	0.7	3
148	A double-frequency solid-state laser on organic compounds. Russian Physics Journal, 2009, 52, 655-660.	0.4	3
149	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
150	Thermal denaturation of egg protein under nanosecond pulsed laser heating of gold nanoparticles. Quantum Electronics, 2011, 41, 754-758.	1.0	3
151	Synthesis and photocatalytic properties of SiO ₂ /CdO/CdS nanocomposite materials. Russian Journal of Applied Chemistry, 2014, 87, 1599-1606.	0.5	3
152	Two-Photon Absorption of the DCM Molecule under Femtosecond Excitation between 720 and 920 Ånm. Russian Physics Journal, 2014, 56, 1046-1052.	0.4	3
153	Comparison of Vanillin and Isovanillin Photolysis in Aqueous Solutions. Russian Physics Journal, 2014, 56, 1287-1291.	0.4	3
154	Generating femtosecond pulses in the mid-IR and THz ranges in GaSe _{1-x} Te _x crystals. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 238-241.	0.6	3
155	Composite implants coated with biodegradable polymers prevent stimulating tumor progression. AIP Conference Proceedings, 2016, . .	0.4	3
156	Effect of doping on the mechanical properties of nonlinear GaSe crystals. Russian Metallurgy (Metally), 2016, 2016, 918-923.	0.5	3
157	Interaction of Humic Acids with Organic Toxicants. Russian Physics Journal, 2016, 59, 597-603.	0.4	3
158	Long bases standoff THz spectrometer: State-of-the-art and prospective. , 2017, , .		3
159	Remote Imaging by Nanosecond Terahertz Spectrometer with Standoff Detector. Russian Physics Journal, 2018, 60, 1638-1643.	0.4	3
160	CREATION OF A MAGNETIC DRIVEN GATE FOR THZ RAYS. Progress in Electromagnetics Research M, 2019, 80, 103-109.	0.9	3
161	Nanocrystalline Cobalt Ferrite Powders by Spray Solution Combustion Synthesis. International Journal of Self-Propagating High-Temperature Synthesis, 2020, 29, 1-9.	0.5	3
162	Study of an EuBO ₃ –ScBO ₃ system and EuSc ₃ (BO ₃) ₄ , EuSc(BO ₃) ₂ orthoborates. Dalton Transactions, 2021, 50, 13894-13901.	3.3	3

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