Alexandr S Selyukov

List of Publications by Year
in descending order

32	512	623734	677142
papers	citations	14 h-index	22 g-index

33	33	33	380
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonlinear absorption enhancement of Methylene Blue in the presence of Au/SiO2 core/shell nanoparticles. Dyes and Pigments, 2022, 197, 109829.	3.7	11
2	Role of photoinduced destruction of gold nanorods in the formation of nonlinear optical response. Optik, 2022, 250, 168352.	2.9	6
3	IR luminescence of plexcitonic structures based on Ag₂S/L-Cys quantum dots and Au nanorods. Optics Express, 2022, 30, 4668.	3.4	4
4	The structural and luminescence properties of plexcitonic structures based on Ag₂S/<scp>l</scp>-Cys quantum dots and Au nanorods. RSC Advances, 2022, 12, 6525-6532.	3.6	6
5	Plasmon-exciton nanostructures, based on CdS quantum dots with exciton and trap state luminescence. Journal of Luminescence, 2022, 248, 118874.	3.1	4
6	Extraction of high-contrast diffraction patterns of fine-structured electrical sparks from laser shadowgrams. Optics Express, 2021, 29, 14941.	3.4	5
7	Precise optical registration of fine-structuredelectrical sparks and related challenges. Optics Express, 2021, 29, 35806-35819.	3.4	4
8	Impact of ligand-centered excited states on luminescence sensitization in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si65.svg"><mml:mrow><mml:msup><mml:mrow><mml:mi mathvariant="normal">Pr</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:mrow></mml:math> complexes with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si66.svg"><mml:mrow><mml:mi>β</mml:mi></mml:mrow></mml:math>-diketones. Spectrochimic	3.9	9
9	Ultrafast and slow Mn2+ luminescence in lithium tetraborate. Journal of Alloys and Compounds, 2021, 883, 160852.	5.5	5
10	Colloidal Ag₂S/SiO₂ core/shell quantum dots with IR luminescence. Optical Materials Express, 2021, 11, 89.	3.0	17
11	Bright NIR-luminescent <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e655" altimg="si55.svg"><mml:msup><mml:mrow><mml:mi mathvariant="normal">Nd</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math> complexes with pyrazole-substituted 1,3-diketones demonstrated an unusual spectral lines branching ratios. Dyes and Pigments, 2020, 181, 108558.	3.7	19
12	Manganese agglomeration and radiation damage in doped Li2B4O7. Radiation Measurements, 2019, 126, 106134.	1.4	9
13	Luminescence properties of pyrazolic 1,3-diketone Ho3+ complex with 1,10-phenanthroline. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 222, 117229.	3.9	6
14	Radiative characteristics of nanopatch antennas based on plasmonic nanoparticles of various geometry and tris(2,2â€™-bipyridine) ruthenium(II) hexafluorophosphate. Journal Physics D: Applied Physics, 2019, 52, 325107.	2.8	14
15	Nonlinear Optical Properties of Hybrid Associates of Azure A Molecules with Zn0.5Cd0.5S Colloidal Quantum Dots. Bulletin of the Lebedev Physics Institute, 2019, 46, 93-96.	0.6	11
16	Investigation of a Near-Electrode Plasma Formed in the Atmospheric Discharge with Employment of Picosecond Laser Probing. Journal of Russian Laser Research, 2019, 40, 56-63.	0.6	9
17	Novel β-diketonate complexes of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow><mml:mtext>Eu</mml:mtext></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msup></mml:mrow></mml:math> bearing pyrazole moiety for bright photo- and electroluminescence. Dyes and Pigments, 2019, 163, 291-299.	3.7	32
18	Setup involving multi-frame laser probing for studying fast plasma formation with high temporal and spatial resolutions. Optics and Lasers in Engineering, 2019, 116, 82-88.	3.8	16

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19	Effect of Bonding Scandium(III) ion to 1,3-Diketones on Their Luminescent Properties. Journal of Russian Laser Research, 2018, 39, 165-169.	0.6	1
20	Luminescent properties of complexes based on scandium (III) Î²-diketonates. Journal of Luminescence, 2018, 201, 509-519.	3.1	13
21	Influence of fluorinated chain length on luminescent properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0094.gif" overflow="scroll"><mml:msup><mml:mrow><mml:mi>Eu</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0095.gif" overflow="scroll"><mml:mi>Î²</mml:mi></mml:math>-diketonate complexes. Journal of Luminescence, 2018, 196, 161-168.	3.1	63
22	Mechanisms responsible for the initiation of a fast breakdown in an atmospheric discharge. Plasma Sources Science and Technology, 2018, 27, 11LT01.	3.1	32
23	Luminescence and electronic structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0034.gif" overflow="scroll"><mml:msup><mml:mrow><mml:mi>Nd</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:math> complex with pyrazole-substituted 1,3-diketone and 1,10-phenanthroline. Journal of Luminescence, 2018, 203, 546-553.	3.1	19
24	Photoluminescence of CdTe colloidal quantum wells in external electric field. Journal of Luminescence, 2017, 186, 194-198.	3.1	8
25	Advantages of STED-Inspired 3D Direct Laser Writing for Fabrication of Hybrid Nanostructures. Journal of Russian Laser Research, 2017, 38, 375-382.	0.6	11
26	Nonlinear optical response of planar and spherical CdSe nanocrystals. Semiconductors, 2016, 50, 947-950.	0.5	12
27	Electroluminescence of colloidal quasi-two-dimensional semiconducting CdSe nanostructures in a hybrid light-emitting diode. Journal of Experimental and Theoretical Physics, 2015, 120, 595-606.	0.9	20
28	Optics of colloidal quantum-confined CdSe nanoscrolls. Quantum Electronics, 2015, 45, 853-857.	1.0	20
29	Electroluminescence from colloidal semiconductor CdSe nanoplatelets in hybrid organicâ€“inorganic light emitting diode. Chemical Physics Letters, 2015, 619, 185-188.	2.6	55
30	Organic light-emitting diode with an emitter based on a planar layer of CdSe semiconductor nanoplatelets. JETP Letters, 2014, 100, 86-90.	1.4	20
31	Synthesis and luminescent properties of neutral Eu(III) and Gd(III) complexes with 1-(1,5-dimethyl-1h-pyrazol-4-yl)-4,4,4-trifluoro-1,3-butanedione and 4,4,5,5,6,6,6-heptafluoro-1-(1-methyl-1H-pyrazol-4-yl)-1,3-hexanedione. Russian Journal of Inorganic Chemistry, 2013, 58, 411-415.	1.3	22
32	Characterization of defects in colloidal CdSe nanocrystals by the modified thermostimulated luminescence technique. Semiconductors, 2013, 47, 1328-1332.	0.5	19