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	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
2	Electroluminescence from colloidal semiconductor CdSe nanoplatelets in hybrid organicâ€“inorganic light emitting diode. Chemical Physics Letters, 2015, 619, 185-188.	2.6	55
3	Mechanisms responsible for the initiation of a fast breakdown in an atmospheric discharge. Plasma Sources Science and Technology, 2018, 27, 11LT01.	3.1	32
4	Novel Î²-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:r bearing pyrazole moiety for bright photo- and electroluminescence. Dyes and Pigments, 2019, 163, 201-209.	3.7	32
5	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:m complex with pyrazole-substituted 1,3-diketone and 1,10-phenanthroline. Journal of Luminescence, 2018,	3.1	29
6	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
7	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
8	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
9	Optics of colloidal quantum-confined CdSe nanoscrolls. Quantum Electronics, 2015, 45, 853-857.	1.0	20
10	Characterization of defects in colloidal CdSe nanocrystals by the modified thermostimulated luminescence technique. Semiconductors, 2013, 47, 1328-1332.	0.5	19
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:m complexes with pyrazole-substituted 1,3-diketones demonstrated an unusual spectral lines branching ratios. Dyes and Pigments, 2020, 181, 108558.	3.7	19
12	Colloidal Ag₂S/SiO₂ core/shell quantum dots with IR luminescence. Optical Materials Express, 2021, 11, 89.	3.0	17
13	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
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	Luminescent properties of complexes based on scandium (III) Î²-diketonates. Journal of Luminescence, 2018, 201, 509-519.	3.1	13
16	Nonlinear optical response of planar and spherical CdSe nanocrystals. Semiconductors, 2016, 50, 947-950.	0.5	12
17	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
18	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

#	Article	IF	Citations
19	Nonlinear absorption enhancement of Methylene Blue in the presence of Au/SiO2 core/shell nanoparticles. Dyes and Pigments, 2022, 197, 109829.	3.7	11
20	Manganese agglomeration and radiation damage in doped Li2B4O7. Radiation Measurements, 2019, 126, 106134.	1.4	9
21	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
22	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>Î²</mml:mi></mml:mrow></mml:math>-diketones. Spectrochimic	3.9	9
23	Photoluminescence of CdTe colloidal quantum wells in external electric field. Journal of Luminescence, 2017, 186, 194-198.	3.1	8
24	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
25	Role of photoinduced destruction of gold nanorods in the formation of nonlinear optical response. Optik, 2022, 250, 168352.	2.9	6
26	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
27	Extraction of high-contrast diffraction patterns of fine-structured electrical sparks from laser shadowgrams. Optics Express, 2021, 29, 14941.	3.4	5
28	Ultrafast and slow Mn2+ luminescence in lithium tetraborate. Journal of Alloys and Compounds, 2021, 883, 160852.	5.5	5
29	Precise optical registration of fine-structuredelectrical sparks and related challenges. Optics Express, 2021, 29, 35806-35819.	3.4	4
30	IR luminescence of plexcitonic structures based on Ag₂S/L-Cys quantum dots and Au nanorods. Optics Express, 2022, 30, 4668.	3.4	4
31	Plasmon-exciton nanostructures, based on CdS quantum dots with exciton and trap state luminescence. Journal of Luminescence, 2022, 248, 118874.	3.1	4
32	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