

# Oleg Viagin

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

393  
citations

1040056

9  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

765  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescent carbon nanomaterials: "quantum dots" or nanoclusters?. Physical Chemistry Chemical Physics, 2014, 16, 16075-16084.	2.8	155
2	Formation of luminescent centers in CeO <sub>2</sub> nanocrystals. Journal of Luminescence, 2014, 145, 61-64.	3.1	49
3	Mechanism of energy transfer in Sr <sub>2</sub> CeO <sub>4</sub> :Eu <sup>3+</sup> phosphor. Optical Materials, 2009, 31, 1808-1810.	3.6	43
4	Photocatalytic activity of ZnO nanopowders: The role of production techniques in the formation of structural defects. Catalysis Today, 2019, 328, 99-104.	4.4	26
5	Crystal growth and characterization of Eu <sup>2+</sup> doped RbCaX <sub>3</sub> (X = Cl, Br) scintillators. Journal of Crystal Growth, 2017, 466, 39-44.	1.5	22
6	Insight into the mechanism of the photoluminescence of carbon nanoparticles derived from cryogenic studies. Nanoscale, 2018, 10, 9320-9328.	5.6	21
7	Defect and intrinsic luminescence of CeO <sub>2</sub> nanocrystals. Physica Status Solidi (B): Basic Research, 2017, 254, 1600488.	1.5	19
8	Low-temperature spectroscopy of optical centers in cerium-yttrium (Ce <sub>1-x</sub> Y <sub>x</sub> O <sub>2-x/2</sub> ) and cerium-zirconium (Ce <sub>1-x</sub> Zr <sub>x</sub> O <sub>2</sub> ) oxides. Low Temperature Physics, 2017, 43, 636-640.	0.6	12
9	Strong quenching of praseodymium f <sup>4</sup> luminescence induced by a surface of Y <sub>2</sub> SiO <sub>5</sub> :Pr <sup>3+</sup> nanocrystal. Journal of Luminescence, 2009, 129, 1695-1697.	3.1	10
10	Improving of LSO(Ce) Scintillator Properties by Co-Doping. IEEE Transactions on Nuclear Science, 2013, 60, 1427-1431.	2.0	9
11	Luminescent properties of composite scintillators based on PPO and o-POPOP doped SiO <sub>2</sub> xerogel matrices. Journal of Luminescence, 2016, 179, 178-182.	3.1	9
12	Formation mechanism of luminescence spectra of carbon nitride films doped by europium chloride CN <sub>x</sub> : EuCl <sub>3</sub> . Journal of Luminescence, 2017, 186, 247-254.	3.1	8
13	Enhanced electronic excitation energy transfer between dye molecules incorporated in nano-scale media with apparent fractal dimensionality. Applied Physics A: Materials Science and Processing, 2014, 116, 2131-2138.	2.3	3
14	Quantum splitting in praseodymium-doped lanthanum aluminum dimetaborate crystals at X-ray excitation. Spectroscopy Letters, 2017, 50, 359-363.	1.0	3
15	Excimer Emission of Acridine Orange Adsorbed on Gadolinium-Yttrium Orthovanadate Nanoparticles. Journal of Fluorescence, 2018, 28, 943-949.	2.5	3
16	Induction and inhibition of free radicals by the GdVO <sub>4</sub> :Eu <sup>3+</sup> and CeO <sub>2</sub> nanoparticles under X-ray irradiation. Functional Materials, 2018, 25, 294-299.	0.1	1