

# Oleg Viagin

## List of Publications by Year in descending order

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16  
papers

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citations

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times ranked

765  
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#	ARTICLE	IF	CITATIONS
1	Photocatalytic activity of ZnO nanopowders: The role of production techniques in the formation of structural defects. <i>Catalysis Today</i> , 2019, 328, 99-104.	4.4	26
2	Insight into the mechanism of the photoluminescence of carbon nanoparticles derived from cryogenic studies. <i>Nanoscale</i> , 2018, 10, 9320-9328.	5.6	21
3	Excimer Emission of Acridine Orange Adsorbed on Gadolinium-Yttrium Orthovanadate Nanoparticles. <i>Journal of Fluorescence</i> , 2018, 28, 943-949.	2.5	3
4	Induction and inhibition of free radicals by the $GdVO_4:Eu^{3+}$ and $CeO_2$ nanoparticles under X-ray irradiation. <i>Functional Materials</i> , 2018, 25, 294-299.	0.1	1
5	Crystal growth and characterization of $Eu^{2+}$ doped $RbCaX_3$ ( $X = Cl, Br$ ) scintillators. <i>Journal of Crystal Growth</i> , 2017, 466, 39-44.	1.5	22
6	Formation mechanism of luminescence spectra of carbon nitride films doped by europium chloride $CN_x:EuCl_3$ . <i>Journal of Luminescence</i> , 2017, 186, 247-254.	3.1	8
7	Quantum splitting in praseodymium-doped lanthanum aluminum dimetaborate crystals at X-ray excitation. <i>Spectroscopy Letters</i> , 2017, 50, 359-363.	1.0	3
8	Low-temperature spectroscopy of optical centers in cerium-yttrium ( $Ce_{1-x}Y_xO_{2-x/2}$ ) and cerium-zirconium ( $Ce_{1-x}Zr_xO_2$ ) oxides. <i>Low Temperature Physics</i> , 2017, 43, 636-640.	0.6	12
9	Defect and intrinsic luminescence of $CeO_2$ nanocrystals. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600488.	1.5	19
10	Luminescent properties of composite scintillators based on PPO and o-POPOP doped $SiO_2$ xerogel matrices. <i>Journal of Luminescence</i> , 2016, 179, 178-182.	3.1	9
11	Formation of luminescent centers in $CeO_2$ nanocrystals. <i>Journal of Luminescence</i> , 2014, 145, 61-64.	3.1	49
12	Fluorescent carbon nanomaterials: "quantum dots" or nanoclusters?. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16075-16084.	2.8	155
13	Enhanced electronic excitation energy transfer between dye molecules incorporated in nano-scale media with apparent fractal dimensionality. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 2131-2138.	2.3	3
14	Improving of LSO(Ce) Scintillator Properties by Co-Doping. <i>IEEE Transactions on Nuclear Science</i> , 2013, 60, 1427-1431.	2.0	9
15	Mechanism of energy transfer in $Sr_2CeO_4:Eu^{3+}$ phosphor. <i>Optical Materials</i> , 2009, 31, 1808-1810.	3.6	43
16	Strong quenching of praseodymium f luminescence induced by a surface of $Y_2SiO_5:Pr^{3+}$ nanocrystal. <i>Journal of Luminescence</i> , 2009, 129, 1695-1697.	3.1	10