

# Igor M Dmitruk

## List of Publications by Year in descending order

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21  
papers

1,111  
citations

759233

12  
h-index

752698

20  
g-index

21  
all docs

21  
docs citations

21  
times ranked

1470  
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescence of Femtosecond Laser-Processed ZnSe Crystal. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-9.	2.7	3
2	Emission from silicon as a real-time figure of merit for laser-induced periodic surface structure formation. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 265102.	2.8	1
3	Clusters of Cesium-Lead-Iodide Perovskites in the Zeolite Matrix. <i>ACS Omega</i> , 2021, 6, 27711-27715.	3.5	1
4	Laser-Induced Periodic Ag Surface Structure with Au Nanorods Plasmonic Nanocavity Metasurface for Strong Enhancement of Adenosine Nucleotide Label-Free Photoluminescence Imaging. <i>ACS Omega</i> , 2020, 5, 14030-14039.	3.5	15
5	Experimental and Computational Studies of the Structure of CdSe Magic-Size Clusters. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3398-3406.	2.5	14
6	Soliton-like excitations in cations of linear conjugated systems. <i>Monatshefte für Chemie</i> , 2020, 151, 559-566.	1.8	2
7	Plasmonic Nanocavity Metasurface Based on Laser-Structured Silver Surface and Silver Nanoprisms for the Enhancement of Adenosine Nucleotide Photoluminescence. <i>ACS Applied Nano Materials</i> , 2019, 2, 7152-7161.	5.0	12
8	ZnO nested shell magic clusters as tetrapod nuclei. <i>RSC Advances</i> , 2017, 7, 21933-21942.	3.6	16
9	Tuning luminescent properties of CdSe nanoclusters by phosphine surface passivation. <i>Methods and Applications in Fluorescence</i> , 2016, 4, 044009.	2.3	4
10	Optical recording in copper-silica nanocomposite. <i>Applied Surface Science</i> , 2014, 302, 66-68.	6.1	0
11	Splitting of Plasmon Frequency in Spherical Metal Nanoparticles in Anisotropic Medium. <i>Plasmonics</i> , 2013, 8, 1699-1706.	3.4	4
12	Size and Temperature Effects on the Surface Plasmon Resonance in Silver Nanoparticles. <i>Plasmonics</i> , 2012, 7, 685-694.	3.4	92
13	Aqueous Phase Synthesized CdSe Nanoparticles with Well-Defined Numbers of Constituent Atoms. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18834-18840.	3.1	77
14	Size-Selective Growth and Stabilization of Small CdSe Nanoparticles in Aqueous Solution. <i>ACS Nano</i> , 2010, 4, 121-128.	14.6	100
15	Optically induced anisotropy of surface plasmons in spherical metal nanoparticles. <i>Physical Review B</i> , 2010, 82, .	3.2	5
16	Surface plasmon as a probe for melting of silver nanoparticles. <i>Nanotechnology</i> , 2010, 21, 045203.	2.6	45
17	Surface Plasmon as a Probe of Local Field Enhancement. <i>Plasmonics</i> , 2009, 4, 115-119.	3.4	13
18	Size-dependent surface-plasmon-enhanced photoluminescence from silver nanoparticles embedded in silica. <i>Physical Review B</i> , 2009, 79, .	3.2	139

#	ARTICLE	IF	CITATIONS
19	Influence of interparticle interaction on melting of gold nanoparticles in Au/polytetrafluoroethylene nanocomposites. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	18
20	Influence of annealing conditions on size and optical properties of copper nanoparticles embedded in silica matrix. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2007, 137, 247-254.	3.5	81
21	Ultra-stable nanoparticles of CdSe revealed from mass spectrometry. <i>Nature Materials</i> , 2004, 3, 99-102.	27.5	469