

Mykhailo Ya Valakh

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Raman and X-ray Photoelectron Spectroscopic Study of Aqueous Thiol-Capped Ag-Zn-Sn-S Nanocrystals. <i>Materials</i> , 2021, 14, 3593.	2.9	9
2	Raman and X-ray Photoemission Identification of Colloidal Metal Sulfides as Potential Secondary Phases in Nanocrystalline Cu_2ZnSnS_4 Photovoltaic Absorbers. <i>ACS Applied Nano Materials</i> , 2020, 3, 5706-5717.	5.0	25
3	Phonon Spectra of Strongly Luminescent Nonstoichiometric $Ag_{1-x}In_xS$, $Cu_{1-x}In_xS$, and $Hg_{1-x}In_xS$ Nanocrystals of Small Size. <i>Journal of Physical Chemistry C</i> , 2020, 124, 15511-15522.	3.1	17
4	Raman and Infrared Phonon Spectra of Novel Nonlinear Optical Materials $PbGa_2GeS_6$ and $PbGa_2GeSe_6$: Experiment and Theory. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900700.	1.5	3
5	Experimental Studies and Modeling of α -Starlike Plasmonic Nanostructures for SERS Application. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800280.	1.5	13
6	Raman Scattering Study of Mixed Quaternary $Ag_xGa_xGe_{1-x}Se_2$ ($0.167 \leq x \leq 0.333$) Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700230.	1.5	5
7	Experimental and theoretical study of Raman scattering spectra of ternary chalcogenides Tl_4HgI_6 , Tl_4HgBr_6 , and $TlHgCl_3$. <i>Journal of Raman Spectroscopy</i> , 2018, 49, 1840-1848.	2.5	7
8	Direct Determination of 3D Distribution of Elemental Composition in Single Semiconductor Nanoislands by Scanning Auger Microscopy. <i>Nanoscale Research Letters</i> , 2016, 11, 103.	5.7	7
9	Raman Scattering Study of Cu_3SnS_4 Colloidal Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2014, 118, 27554-27558.	3.1	48
10	Electronic structure, optical properties, and lattice dynamics of orthorhombic Cu_2CdGeS_4 and $Cu_2CdGeSe_4$. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1740-1748.	2.5	35