

Yevhenii Havryliuk

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Copper-Content Dependent Structural and Electrical Properties of CZTS Films Formed by "Green" Colloidal Nanocrystals. <i>Electronic Materials</i> , 2022, 3, 136-153.	1.9	2
2	Optical and Structural Characteristics of Rare Earth-Doped ZnO Nanocrystals Prepared in Colloidal Solution. <i>Photochem</i> , 2022, 2, 515-527.	2.2	8
3	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
4	Colloidal Cu-Zn-Sn-Te Nanocrystals: Aqueous Synthesis and Raman Spectroscopy Study. <i>Nanomaterials</i> , 2021, 11, 2923.	4.1	7
5	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
6	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
7	Raman study of flash-lamp annealed aqueous Cu_2ZnSnS_4 nanocrystals. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 222-227.	2.8	12
8	Thickness-dependent structural parameters of kesterite $Cu_2ZnSnSe_4$ thin films for solar cell absorbers. <i>Materials Letters</i> , 2018, 225, 82-84.	2.6	8
9	Raman Scattering Study of Mixed Quaternary $Ag_xGa_xGe_{1-x}Se_2$ (0.167 ≤ x ≤ 0.333) Crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700230.	1.5	5
10	Raman characterization of Cu_2ZnSnS_4 nanocrystals: phonon confinement effect and formation of Cu_xS phases. <i>RSC Advances</i> , 2018, 8, 30736-30746.	3.6	37
11	Vibrational spectroscopy of orthorhombic Cu_2ZnSiS_4 single crystal: Low-temperature polarized Raman scattering and first principle calculations. <i>Vibrational Spectroscopy</i> , 2017, 89, 81-84.	2.2	5
12	Raman characterization and modelling of $Cu_2ZnSn_{1-x}Ge_xS_4$ single crystals grown using chemical vapor transport. <i>Optical Materials</i> , 2017, 66, 671-677.	3.6	8
13	Optical properties of quaternary kesterite-type $Cu_2Zn(Sn_{1-x}Ge_x)S_4$ crystalline alloys: Raman scattering, photoluminescence and first-principle calculations. <i>RSC Advances</i> , 2016, 6, 67756-67763.	3.6	25