

Ivan G Orletskyi

List of Publications by Year in descending order

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papers

306
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933447

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31
docs citations

31
times ranked

291
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman spectroscopy of Cu-Sn-S ternary compound thin films prepared by the low-cost spray-pyrolysis technique. <i>Applied Optics</i> , 2016, 55, B158.	1.8	41
2	SnO ₂ films: formation, electrical and optical properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 118, 160-163.	3.5	37
3	Secondary phases in Cu ₂ ZnSnS ₄ films obtained by spray pyrolysis at different substrate temperatures and Cu contents. <i>Materials Letters</i> , 2018, 216, 173-175.	2.6	25
4	Structural, optical and electrical properties of Cu ₂ ZnSnS ₄ films prepared from a non-toxic DMSO-based sol-gel and synthesized in low vacuum. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 100, 154-160.	4.0	24
5	Structural, optical, and electrical properties of Cu ₂ SnS ₃ thin films produced by sol gel method. <i>Physics of the Solid State</i> , 2017, 59, 801-807.	0.6	18
6	Peculiarities in electrical and optical properties of Cu ₂ Zn _{1-x} Mn _x SnS ₄ films obtained by spray pyrolysis. <i>Technical Physics Letters</i> , 2016, 42, 291-294.	0.7	17
7	Low-temperature spray-pyrolysis of FeS ₂ films and their electrical and optical properties. <i>Physics of the Solid State</i> , 2016, 58, 37-41.	0.6	17
8	Optical properties and mechanisms of current flow in Cu ₂ ZnSnS ₄ films prepared by spray pyrolysis. <i>Physics of the Solid State</i> , 2016, 58, 1058-1064.	0.6	15
9	Coupling between structural properties and charge transport in nano-crystalline and amorphous graphitic carbon films, deposited by electron-beam evaporation. <i>Nanotechnology</i> , 2020, 31, 505706.	2.6	15
10	Modification of the properties of tin sulfide films grown by spray pyrolysis. <i>Inorganic Materials</i> , 2016, 52, 851-857.	0.8	12
11	Electrical Properties of Sis Heterostructures n-SnS ₂ /CdTeO ₃ /p-CdZnTe. <i>Ukrainian Journal of Physics</i> , 2019, 64, 164.	0.2	10
12	Electrical Properties and Energy Parameters of n-FeS ₂ /p-Cd _{1-x} Zn _x Te Heterojunctions. <i>Semiconductors</i> , 2018, 52, 1171-1177.	0.5	9
13	Fabrication and Characterization of Photosensitive n-CdO/p-InSe Heterojunctions. <i>Acta Physica Polonica A</i> , 2013, 124, 720-723.	0.5	8
14	Electrical properties of heterostructures MnS/n-CdZnTe obtained by spray pyrolysis. <i>Materials Research Express</i> , 2021, 8, 015905.	1.6	7
15	Electrical and photoelectric properties of n-CdO-p-InSe anisotype heterojunctions. <i>Semiconductors</i> , 2013, 47, 943-946.	0.5	6
16	Electrical and Photoelectric Properties of the TiN/p-InSe Heterojunction. <i>Semiconductors</i> , 2016, 50, 334-338.	0.5	6
17	Electrical properties of MOS diodes In/TiO ₂ /p-CdTe. <i>Semiconductors</i> , 2014, 48, 487-491.	0.5	5
18	Electrical properties of thin-film semiconductor heterojunctions n-TiO ₂ /p-CuInS ₂ . <i>Semiconductors</i> , 2014, 48, 1046-1050.	0.5	5

#	ARTICLE	IF	CITATIONS
19	Structural and optical properties of Cu ₂ ZnSn(S,Se) ₄ films obtained by magnetron sputtering of a Cu ₂ ZnSn alloy target. <i>Physics of the Solid State</i> , 2017, 59, 1643-1647.	0.6	5
20	Optical and electrical properties of thin NiO films deposited by reactive magnetron sputtering and spray pyrolysis. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2017, 122, 944-948.	0.6	5
21	Effect of fabrication conditions on charge transport and photo-response of n-ITO/p-Cd _{1-x} Zn _x Te heterojunctions. <i>Materials Research Express</i> , 2019, 6, 086219.	1.6	4
22	Influence of the base material on the interface properties of ZnO:Al/n-CdS/p-Cd _{1-x} Zn _x Te heterojunctions. <i>Engineering Research Express</i> , 2020, 2, 035037.	1.6	4
23	Electrical and Optical Properties of Cu ₂ Zn(Fe,Mn)Sn ₄ Films Prepared by Spray Pyrolysis. <i>Technical Physics</i> , 2018, 63, 243-249.	0.7	2
24	Optical properties of spin-coated SnS ₂ thin films. , 2018, , .		2
25	UV detector with internal gain based on SnO ₂ -ZnSe heterostructure. <i>Technical Physics Letters</i> , 2011, 37, 354-355.	0.7	1
26	Fabrication and Properties of the Photosensitive Anisotype n-Cd _x Zn _{1-x} O/p-CdTe Heterojunctions. <i>Acta Physica Polonica A</i> , 2014, 126, 1163-1166.	0.5	1
27	Silicon nanowire array architecture for heterojunction electronics. <i>Semiconductors</i> , 2017, 51, 542-548.	0.5	1
28	Electrical properties of photosensitive heterostructures n-FeS ₂ /p-InSe. <i>Functional Materials</i> , 2018, 25, 463-470.	0.1	1
29	Electrical Properties of Prepared by Spray Pyrolysis FTO/n-CdTe Heterojunction. , 2021, , .		1
30	Photosensitive Schottky diodes based on nanostructured thin films of graphitized carbon formed on Cd _{1-x} Zn _x Te crystalline substrates. <i>Semiconductor Science and Technology</i> , 2022, 37, 065027.	2.0	1