

# Ivan G Orletskyi

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

306  
citations

933264

10  
h-index

887953

17  
g-index

31  
all docs

31  
docs citations

31  
times ranked

291  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photosensitive Schottky diodes based on nanostructured thin films of graphitized carbon formed on Cd <sub>1-x</sub> Zn <sub>x</sub> Te crystalline substrates. Semiconductor Science and Technology, 2022, 37, 065027.	1.0	1
2	Electrical properties of heterostructures MnS/n-CdZnTe obtained by spray pyrolysis. Materials Research Express, 2021, 8, 015905.	0.8	7
3	Electrical Properties of Prepared by Spray Pyrolysis FTO/n-CdTe Heterojunction. , 2021, , .		1
4	Coupling between structural properties and charge transport in nano-crystalline and amorphous graphitic carbon films, deposited by electron-beam evaporation. Nanotechnology, 2020, 31, 505706.	1.3	15
5	Influence of the base material on the interface properties of ZnO:Al/n-CdS/p-Cd <sub>1-x</sub> Zn <sub>x</sub> Te heterojunctions. Engineering Research Express, 2020, 2, 035037.	0.8	4
6	Effect of fabrication conditions on charge transport and photo-response of n-ITO/p-Cd <sub>1-x</sub> Zn <sub>x</sub> Te heterojunctions. Materials Research Express, 2019, 6, 086219.	0.8	4
7	Electrical Properties of Sis Heterostructures n-SnS <sub>2</sub> /CdTeO <sub>3</sub> /p-CdZnTe. Ukrainian Journal of Physics, 2019, 64, 164.	0.1	10
8	Secondary phases in Cu <sub>2</sub> ZnSnS <sub>4</sub> films obtained by spray pyrolysis at different substrate temperatures and Cu contents. Materials Letters, 2018, 216, 173-175.	1.3	25
9	Electrical and Optical Properties of Cu <sub>2</sub> Zn(Fe,Mn)Sn <sub>4</sub> Films Prepared by Spray Pyrolysis. Technical Physics, 2018, 63, 243-249.	0.2	2
10	Electrical Properties and Energy Parameters of n-FeS <sub>2</sub> /p-Cd <sub>1-x</sub> Zn <sub>x</sub> Te Heterojunctions. Semiconductors, 2018, 52, 1171-1177.	0.2	9
11	Electrical properties of photosensitive heterostructures n-FeS <sub>2</sub> /p-InSe. Functional Materials, 2018, 25, 463-470.	0.4	1
12	Optical properties of spin-coated SnS <sub>2</sub> thin films. , 2018, , .		2
13	Silicon nanowire array architecture for heterojunction electronics. Semiconductors, 2017, 51, 542-548.	0.2	1
14	Structural, optical, and electrical properties of Cu <sub>2</sub> SnS <sub>3</sub> thin films produced by sol gel method. Physics of the Solid State, 2017, 59, 801-807.	0.2	18
15	Structural and optical properties of Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> films obtained by magnetron sputtering of a Cu <sub>2</sub> ZnSn alloy target. Physics of the Solid State, 2017, 59, 1643-1647.	0.2	5
16	Optical and electrical properties of thin NiO films deposited by reactive magnetron sputtering and spray pyrolysis. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2017, 122, 944-948.	0.2	5
17	Structural, optical and electrical properties of Cu <sub>2</sub> ZnSnS <sub>4</sub> films prepared from a non-toxic DMSO-based sol-gel and synthesized in low vacuum. Journal of Physics and Chemistry of Solids, 2017, 100, 154-160.	1.9	24
18	Electrical and Photoelectric Properties of the TiN/p-InSe Heterojunction. Semiconductors, 2016, 50, 334-338.	0.2	6

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19	Optical properties and mechanisms of current flow in Cu <sub>2</sub> ZnSnS <sub>4</sub> films prepared by spray pyrolysis. <i>Physics of the Solid State</i> , 2016, 58, 1058-1064.	0.2	15
20	Peculiarities in electrical and optical properties of Cu <sub>2</sub> Zn <sub>1-x</sub> Mn <sub>x</sub> SnS <sub>4</sub> films obtained by spray pyrolysis. <i>Technical Physics Letters</i> , 2016, 42, 291-294.	0.2	17
21	Modification of the properties of tin sulfide films grown by spray pyrolysis. <i>Inorganic Materials</i> , 2016, 52, 851-857.	0.2	12
22	Low-temperature spray-pyrolysis of FeS <sub>2</sub> films and their electrical and optical properties. <i>Physics of the Solid State</i> , 2016, 58, 37-41.	0.2	17
23	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.	0.9	41
24	Fabrication and Properties of the Photosensitive Anisotype n-Cd <sub>x</sub> Zn <sub>1-x</sub> O/p-CdTe Heterojunctions. <i>Acta Physica Polonica A</i> , 2014, 126, 1163-1166.	0.2	1
25	Electrical properties of MOS diodes In/TiO <sub>2</sub> /p-CdTe. <i>Semiconductors</i> , 2014, 48, 487-491.	0.2	5
26	Electrical properties of thin-film semiconductor heterojunctions n-TiO <sub>2</sub> /p-CuInS <sub>2</sub> . <i>Semiconductors</i> , 2014, 48, 1046-1050.	0.2	5
27	Electrical and photoelectric properties of n-CdO-p-InSe anisotype heterojunctions. <i>Semiconductors</i> , 2013, 47, 943-946.	0.2	6
28	Fabrication and Characterization of Photosensitive n-CdO/p-InSe Heterojunctions. <i>Acta Physica Polonica A</i> , 2013, 124, 720-723.	0.2	8
29	UV detector with internal gain based on SnO <sub>2</sub> -ZnSe heterostructure. <i>Technical Physics Letters</i> , 2011, 37, 354-355.	0.2	1
30	SnO <sub>2</sub> films: formation, electrical and optical properties. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 118, 160-163.	1.7	37