

Eduard Maystruk

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

410
citations

932766

10
h-index

839053

18
g-index

42
all docs

42
docs citations

42
times ranked

349
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical and optical properties of TiN thin films. <i>Inorganic Materials</i> , 2014, 50, 40-45.	0.2	89
2	Specific features of the optical and electrical properties of polycrystalline CdTe films grown by the thermal evaporation method. <i>Physics of the Solid State</i> , 2014, 56, 1947-1951.	0.2	32
3	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.	1.9	24
4	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.	0.2	18
5	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.	0.2	17
6	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.	0.2	17
7	Influence of heat treatment of the base material on the electrical properties of anisotyped heterojunctions n-ZnO/p-CdZnTe. <i>Semiconductor Science and Technology</i> , 2019, 34, 045016.	1.0	16
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.	0.2	15
9	Modification of the properties of tin sulfide films grown by spray pyrolysis. <i>Inorganic Materials</i> , 2016, 52, 851-857.	0.2	12
10	Optical properties of (3HgSe) _{0.5} (In ₂ Se ₃) _{0.5} crystals doped with Mn or Fe. <i>Ukrainian Journal of Physical Optics</i> , 2011, 12, 137.	9.7	11
11	Electrical Properties of SiS Heterostructures n-SnS ₂ /CdTeO ₃ /p-CdZnTe. <i>Ukrainian Journal of Physics</i> , 2019, 64, 164.	0.1	10
12	Electrical Properties of the p-ZnO/Cd _{1-x} Zn _x Te Heterostructure. <i>Journal of Nano- and Electronic Physics</i> , 2019, 11, 02007-1-02007-5.	0.2	10
13	Electrical Properties and Energy Parameters of n-FeS ₂ /p-Cd _{1-x} Zn _x Te Heterojunctions. <i>Semiconductors</i> , 2018, 52, 1171-1177.	0.2	9
14	Electric Properties of Thin Films Cu ₂ ZnSnSe ₄ and Cu ₂ ZnSnSe ₂ Te ₂ (S ₂) Obtained by Thermal Vacuum Deposition. <i>Journal of Nano- and Electronic Physics</i> , 2018, 10, 01028-1-01028-3.	0.2	9
15	Effect of heat treatment in sulfur and mercury vapors on the magnetic susceptibility of Hg _{1-x} Mn _x Te _{1-y} S _y crystals. <i>Inorganic Materials</i> , 2008, 44, 475-480.	0.2	8
16	Physical properties of Hg _{1-x} Cd _x Eu _y Se crystals. <i>Inorganic Materials</i> , 2014, 50, 241-245.	0.2	8
17	Influence of properties of hematite films on electrical characteristics of isotype heterojunctions Fe ₂ O ₃ /CdTe. <i>Semiconductor Science and Technology</i> , 2020, 35, 025018.	1.0	8
18	Structural, electrical, and photoelectric properties of p-NiO/n-CdTe heterojunctions. <i>Optical Engineering</i> , 2018, 57, 1.	0.5	8

#	ARTICLE	IF	CITATIONS
19	Charge transport and mechanisms of electron scattering in (HgSe) ₃ (In ₂ Se ₃) crystals doped with 3d transition metals. Inorganic Materials, 2014, 50, 447-451.	0.2	7
20	Optical properties of thin films CZTSe produced by RF magnetron sputtering and thermal evaporation. , 2017, , .		7
21	Electrical properties of heterostructures MnS/n-CdZnTe obtained by spray pyrolysis. Materials Research Express, 2021, 8, 015905.	0.8	7
22	Optical coefficients of Hg _{1-x} Eu _y Se crystals. Optics and Spectroscopy (English Translation) Tj ETQq0 0,0 rgBT /Qverlock 10	0.2	6
23	Optical filters on the base of (3HgSe) _{0.5} (In ₂ Se ₃) _{0.5} , doped with Mn or Fe. , 2013, , .		6
24	Magnetic, optical, and kinetic properties of Hg _{1-x} Mn _x Dy _y Te crystals. Inorganic Materials, 2013, 49, 445-449.	0.2	6
25	Temperature dependence of optical properties (3HgSe) _{0.5} (In ₂ Se ₃) _{0.5} , doped with Mn or Fe. , 2011, , .		5
26	Optical Properties of Hg _{1-x} Cd _x Dy _y Se Crystals. Russian Physics Journal, 2013, 56, 831-836.	0.2	5
27	Electrical properties of anisotype n-TiN/p-Hg ₃ In ₂ Te ₆ heterojunctions. Technical Physics Letters, 2014, 40, 231-233.	0.2	5
28	Surface morphology and composition of crystals of indium and mercury selenides doped with 3d metals. Journal of Surface Investigation, 2015, 9, 415-419.	0.1	5
29	Structural and optical properties of Cu ₂ ZnSn(S,Se) ₄ films obtained by magnetron sputtering of a Cu ₂ ZnSn alloy target. Physics of the Solid State, 2017, 59, 1643-1647.	0.2	5
30	Giant magnetoresistance in Hg _{1-x} Mn _x FeyTe crystals. Russian Physics Journal, 2007, 50, 985-992.	0.2	4
31	Effect of fabrication conditions on charge transport and photo-response of n-ITO/p-Cd _{1-x} Zn _x Te heterojunctions. Materials Research Express, 2019, 6, 086219.	0.8	4
32	Thin ZnO:Al and CdS Films™ Optical Properties. Lecture Notes in Mechanical Engineering, 2019, , 267-275.	0.3	4
33	Electrical and photoelectric properties of n-TiN/p-Hg ₃ In ₂ Te ₆ heterostructures. Semiconductors, 2016, 50, 1020-1024.	0.2	3
34	Optical properties of thin Cu ₂ ZnSnS ₄ films produced by RF magnetron sputtering. Optics and Spectroscopy (English Translation of Optika i Spektroskopiya), 2017, 123, 38-43.	0.2	3
35	Electrical and Optical Properties of Cu ₂ Zn(Fe,Mn)SnS ₄ Films Prepared by Spray Pyrolysis. Technical Physics, 2018, 63, 243-249.	0.2	2
36	Radiation Resistance of (HgSe) ₃ (In ₂ Se ₃)<Mn>. Russian Physics Journal, 2018, 61, 1189-1193.	0.2	2

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37	Magnetic, optical, and kinetic properties of $Hg_{1-x}Cd_xSe$ crystals. <i>Inorganic Materials</i> , 2016, 52, 447-451.	0.2	1
38	CdTe Based X/β -ray Detector with MoOx Contacts. <i>Journal of Nano- and Electronic Physics</i> , 2017, 9, 03035-1-03035-4.	0.2	1
39	Photosensitive Schottky diodes based on nanostructured thin films of graphitized carbon formed on $Cd_{1-x}Zn_xTe$ crystalline substrates. <i>Semiconductor Science and Technology</i> , 2022, 37, 065027.	1.0	1
40	Effect of annealing on the kinetic properties and band parameters of $Hg_{1-x}Cd_xSe$ semiconductor crystals. <i>Semiconductors</i> , 2014, 48, 1680-1684.	0.2	0
41	Magnetic and Electrical Properties of $Hg_{1-x}Mn_xFe_yTe_{1-z}S_z$ Crystals. <i>Russian Physics Journal</i> , 2018, 61, 1435-1442.	0.2	0
42	Electrical Properties of Heterojunction n-MoOx/p-Cd ₃ In ₂ Te ₆ . <i>Springer Proceedings in Physics</i> , 2020, , 9-17.	0.1	0