

Eduard Maystruk

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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.	1.0	1
2	Electrical properties of heterostructures MnS/n-CdZnTe obtained by spray pyrolysis. <i>Materials Research Express</i> , 2021, 8, 015905.	0.8	7
3	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
4	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
5	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.	0.8	4
6	Influence of heat treatment of the base material on the electrical properties of anisotyped heterojunctions n-ZnO:Al/p-CdZnTe. <i>Semiconductor Science and Technology</i> , 2019, 34, 045016.	1.0	16
7	Thin ZnO:Al and CdS Films™ Optical Properties. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 267-275.	0.3	4
8	Electrical Properties of Sis Heterostructures n-SnS ₂ /CdTeO ₃ /p-CdZnTe. <i>Ukrainian Journal of Physics</i> , 2019, 64, 164.	0.1	10
9	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
10	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.	0.2	2
11	Radiation Resistance of (HgSe) ₃ (In ₂ Se ₃) ₃ . <i>Russian Physics Journal</i> , 2018, 61, 1189-1193.	0.2	2
12	Magnetic and Electrical Properties of Hg _{1-x} MnxFe _y Te _{1-z} Sz Crystals. <i>Russian Physics Journal</i> , 2018, 61, 1435-1442.	0.2	0
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	Structural, electrical, and photoelectric properties of p-NiO/n-CdTe heterojunctions. <i>Optical Engineering</i> , 2018, 57, 1.	0.5	8
15	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
16	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
17	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.	0.2	5
18	Optical properties of thin Cu ₂ ZnSnS ₄ films produced by RF magnetron sputtering. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2017, 123, 38-43.	0.2	3

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19	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. Journal of Physics and Chemistry of Solids, 2017, 100, 154-160.	1.9	24
20	Optical properties of thin films CZTSe produced by RF magnetron sputtering and thermal evaporation. , 2017, , .		7
21	CdTe Based X ³ -ray Detector with MoO _x Contacts. Journal of Nano- and Electronic Physics, 2017, 9, 03035-1-03035-4.	0.2	1
22	Magnetic, optical, and kinetic properties of Hg _{1-x} Cd _x Se crystals. Inorganic Materials, 2016, 52, 447-451.	0.2	1
23	Optical properties and mechanisms of current flow in Cu ₂ ZnSnS ₄ films prepared by spray pyrolysis. Physics of the Solid State, 2016, 58, 1058-1064.	0.2	15
24	Peculiarities in electrical and optical properties of Cu ₂ Zn _{1-x} Mn _x SnS ₄ films obtained by spray pyrolysis. Technical Physics Letters, 2016, 42, 291-294.	0.2	17
25	Electrical and photoelectric properties of n-TiN/p-Hg ₃ In ₂ Te ₆ heterostructures. Semiconductors, 2016, 50, 1020-1024.	0.2	3
26	Modification of the properties of tin sulfide films grown by spray pyrolysis. Inorganic Materials, 2016, 52, 851-857.	0.2	12
27	Low-temperature spray-pyrolysis of FeS ₂ films and their electrical and optical properties. Physics of the Solid State, 2016, 58, 37-41.	0.2	17
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	Effect of annealing on the kinetic properties and band parameters of Hg _{1-x} Cd _x Se semiconductor crystals. Semiconductors, 2014, 48, 1680-1684.	0.2	0
30	Electrical and optical properties of TiN thin films. Inorganic Materials, 2014, 50, 40-45.	0.2	89
31	Physical properties of Hg _{1-x} Cd _x EuySe crystals. Inorganic Materials, 2014, 50, 241-245.	0.2	8
32	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
33	Specific features of the optical and electrical properties of polycrystalline CdTe films grown by the thermal evaporation method. Physics of the Solid State, 2014, 56, 1947-1951.	0.2	32
34	Electrical properties of anisotype n-TiN/p-Hg ₃ In ₂ Te ₆ heterojunctions. Technical Physics Letters, 2014, 40, 231-233.	0.2	5
35	Optical coefficients of Hg _{1-x} Cd _x Euy Se crystals. Optics and Spectroscopy (English Translation) Tj ETQq1 1 0.784314 rgBT / Ov 0.2 6	0.2	6
36	Optical filters on the base of (3HgSe) _{0.5} (In ₂ Se ₃) _{0.5} , doped with Mn or Fe. , 2013, , .		6

#	ARTICLE	IF	CITATIONS
37	Optical Properties of $\text{Hg}_{1-x}\text{Cd}_x\text{Dy}_y\text{Se}$ Crystals. Russian Physics Journal, 2013, 56, 831-836.	0.2	5
38	Magnetic, optical, and kinetic properties of $\text{Hg}_{1-x}\text{Mn}_x\text{Dy}_y\text{Te}$ crystals. Inorganic Materials, 2013, 49, 445-449.	0.2	6
39	Temperature dependence of optical properties $(3\text{HgSe})_{0.5}(\text{In}_2\text{Se}_3)_{0.5}$, doped with Mn or Fe. , 2011, , .		5
40	Optical properties of $(3\text{HgSe})_{0.5}(\text{In}_2\text{Se}_3)_{0.5}$ crystals doped with Mn or Fe. Ukrainian Journal of Physical Optics, 2011, 12, 137.	9.7	11
41	Effect of heat treatment in sulfur and mercury vapors on the magnetic susceptibility of $\text{Hg}_{1-x}\text{Mn}_x\text{Te}_{1-y}\text{S}_y$ crystals. Inorganic Materials, 2008, 44, 475-480.	0.2	8
42	Giant magnetoresistance in $\text{Hg}_{1-x}\text{Mn}_x\text{Fe}_y\text{Te}$ crystals. Russian Physics Journal, 2007, 50, 985-992.	0.2	4