

Sm Wasim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10475498/publications.pdf>

Version: 2024-02-01

44
papers

735
citations

686830

13
h-index

580395

25
g-index

44
all docs

44
docs citations

44
times ranked

555
citing authors

#	ARTICLE	IF	CITATIONS
1	Transport properties of CuInSe ₂ . Solar Cells, 1986, 16, 289-316.	0.6	213
2	Optical transitions near the band edge in bulk CuIn _x Ga _{1-x} Se ₂ from ellipsometric measurements. Materials Chemistry and Physics, 2001, 70, 300-304.	2.0	35
3	Urbach's tail in the absorption spectra of the ordered vacancy compound CuGa ₃ Se ₅ . Journal of Physics and Chemistry of Solids, 2000, 61, 669-673.	1.9	29
4	Analysis of complex impedance of p-CuIn ₃ Se ₅ by impedance spectroscopy. Journal of Alloys and Compounds, 2016, 688, 210-215.	2.8	27
5	Synthesis and growth of large stoichiometric single crystals of copper indium diselenide by horizontal varying gradient zone freeze technique. Journal of Crystal Growth, 1996, 158, 97-102.	0.7	26
6	Theoretical and experimental study of AC electrical conduction mechanism in the low temperature range of p-CuIn ₃ Se ₅ . Physica E: Low-Dimensional Systems and Nanostructures, 2018, 99, 37-42.	1.3	25
7	Temperature dependence of the fundamental absorption edge in CuGa ₃ Se ₅ . Journal of Alloys and Compounds, 1999, 283, 1-4.	2.8	23
8	Raman spectra of the chalcopyrite compound CuGaTe ₂ . Journal of Physics and Chemistry of Solids, 2001, 62, 847-855.	1.9	23
9	Electrical Properties of the Ordered Defect Compound CuIn ₃ Se ₅ . Physica Status Solidi A, 2002, 194, 244-252.	1.7	23
10	Structural, optical and electrical properties of CuIn ₅ Se ₈ and CuGa ₅ Se ₈ . Journal of Physics and Chemistry of Solids, 2003, 64, 1907-1910.	1.9	23
11	Optical absorption study of CuInTe ₂ crystals grown from near-stoichiometric compositions. Solid State Communications, 1984, 51, 935-937.	0.9	19
12	Electrical conduction in ordered defect compounds. Journal of Physics and Chemistry of Solids, 2003, 64, 1627-1632.	1.9	17
13	Thermal conductivity of CuGaTe ₂ . Solid State Communications, 1987, 64, 439-442.	0.9	15
14	Photoluminescence in p-type CuInSe ₂ single crystals. Journal of Physics and Chemistry of Solids, 1998, 59, 245-252.	1.9	15
15	Analysis of the donor-acceptor recombination band in the photoluminescence spectra of CuInSe ₂ . Materials Letters, 1996, 29, 87-90.	1.3	12
16	Optical properties of the ordered defect compound CuIn ₅ Te ₈ . Journal of Physics and Chemistry of Solids, 2002, 63, 581-589.	1.9	12
17	Effect of localized modes in the absorption spectra of CuInTe ₂ , CuIn ₃ Te ₅ and CuIn ₅ Te ₈ . Journal of Physics and Chemistry of Solids, 2003, 64, 1995-2000.	1.9	11
18	Efros-Shklovskii type variable range hopping conduction and magnetoresistance in p-type CuGa ₃ Te ₅ . Superlattices and Microstructures, 2017, 107, 285-292.	1.4	11

#	ARTICLE	IF	CITATIONS
19	Electrical impedance spectroscopy characterization of n type Cu ₅ In ₉ Se ₁₆ semiconductor compound. <i>Physica B: Condensed Matter</i> , 2020, 593, 412283.	1.3	11
20	Variable Range Hopping Conduction in p-Type CuInTe ₂ . <i>Physica Status Solidi (B): Basic Research</i> , 2000, 219, 351-356.	0.7	10
21	Characterization of CuGaTe ₂ grown by the Tellurization of Cu and Ga in liquid phase. <i>Journal of Physics and Chemistry of Solids</i> , 2003, 64, 1869-1872.	1.9	10
22	Density of states effective mass of n-type CuInSe ₂ from the temperature dependence of Hall coefficient in the activation regime. <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 1887-1890.	1.9	10
23	Effect of donor-acceptor defect pairs on the crystal structure of In and Ga rich ternary compounds of Cu-In(Ga)-Se(Te) systems. <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 1990-1993.	1.9	10
24	Low temperature analysis of the electrical conduction with the NSPT mechanism in p-CuIn ₃ Se ₅ . <i>Superlattices and Microstructures</i> , 2018, 119, 194-200.	1.4	10
25	Preexponential factor in variable-range hopping conduction in CuInTe ₂ . <i>Solid State Communications</i> , 2005, 136, 228-233.	0.9	9
26	Temperature dependence of the Urbach energy in ordered defect compounds Cu-III ₃ -VI ₅ and Cu-III ₅ -VI ₈ . <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 1865-1867.	1.9	9
27	Dynamic electrical conduction in p-type CuIn ₃ Se ₅ . <i>Superlattices and Microstructures</i> , 2016, 92, 353-358.	1.4	9
28	Lattice thermal conductivity of II-VI compounds. <i>Solid State Communications</i> , 1984, 50, 483-486.	0.9	8
29	Temperature dependence of the fundamental absorption edge in p-type CuInSe ₂ . <i>Journal of Physics and Chemistry of Solids</i> , 1998, 59, 1015-1019.	1.9	8
30	Universal Behaviour in the Variable Range Hopping Regime of Copper Ternary Compounds. <i>Physica Status Solidi (B): Basic Research</i> , 2000, 218, 83-88.	0.7	8
31	Lattice deformation potential from the variation of the unit cell volume and band gap of oxygen doped CuInSe ₂ . <i>Materials Letters</i> , 1998, 37, 107-110.	1.3	7
32	Raman spectra of the chalcopyrite compound CuGaTe ₂ . <i>Materials Letters</i> , 1999, 38, 305-307.	1.3	7
33	Magnetoresistance and variable range hopping conductivity in n-CuInSe ₂ . <i>Materials Letters</i> , 2007, 61, 2491-2494.	1.3	7
34	Electrical properties of CuInTe ₂ single crystals annealed in an indium atmosphere. <i>Solid State Communications</i> , 1985, 54, 239-240.	0.9	6
35	The effective cation radius dependence of the unit cell parameters of In(Ga)-rich ternary compounds of [Cu ₂ (Se, Te)] _x [(In ₂ , Ga ₂)(Se ₃ , Te ₃)] _{1-x} system. <i>Materials Letters</i> , 2015, 157, 70-72.	1.3	6
36	Variable range hopping and positive magnetoresistance in n type semiconductor CuIn ₃ Se ₅ . <i>Materials Research Bulletin</i> , 2017, 87, 219-223.	2.7	6

#	ARTICLE	IF	CITATIONS
37	A temperature-dependent pre-exponential factor in Efros-Shklovskii variable range hopping conduction in p-type CuInTe_2 . <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 18, 292-293.	1.3	5
38	Localization and Electron-Electron Interaction Effects in p-CuGaTe ₂ . <i>Physica Status Solidi (B): Basic Research</i> , 2001, 225, 203-208.	0.7	4
39	Low temperature electrical impedance spectroscopy characterization of n type CuInSe_2 semiconductor compound. <i>Physica B: Condensed Matter</i> , 2019, 565, 14-17.	1.3	4
40	Dielectric spectroscopy of n type $\text{Cu}_5\text{In}_9\text{Se}_{16}$ semiconductor compound. <i>Physica B: Condensed Matter</i> , 2021, 622, 413356.	1.3	4
41	Red shift of the band gap of Fe doped $\text{Cu}_{1-y}\text{Ga}_y\text{Se}_2$. <i>Materials Letters</i> , 1996, 28, 231-235.	1.3	3
42	Caractérisation électrique et optique du diséniure de cuivre et d'indium. <i>Physica Status Solidi A</i> , 2000, 178, 745-754.	1.7	3
43	Defect-induced increase in the phonon energy involved in the formation of Urbach tail in Cu-ternaries. <i>Journal of Physics and Chemistry of Solids</i> , 2005, 66, 1187-1191.	1.9	1
44	Effect of localized modes in the optical absorption spectra of CuGaSe_2 and CuGa_3Se_5 . <i>Superlattices and Microstructures</i> , 2015, 85, 835-841.	1.4	1