

Hasan Hseyin Gll

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1696862/hasan-huseyin-gullu-publications-by-year.pdf>
Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70 papers	487 citations	12 h-index	17 g-index
73 ext. papers	601 ext. citations	2.3 avg, IF	4.71 L-index

#	Paper	IF	Citations
70	Effect of TiO ₂ Thin Film with Different Dopants in Bringing Au-Metal into a Contact with n-Si. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2022 , 32, 1067	3.2	0
69	Capacitance, conductance, and dielectric characteristics of Al/TiO ₂ /Si diode. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 13549-13567	2.1	3
68	Temperature-dependent optical characteristics of sputtered Ga-doped ZnO thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 263, 114834	3.1	4
67	Temperature effects on optical characteristics of CdSe thin films. <i>Materials Science in Semiconductor Processing</i> , 2021 , 123, 105559	4.3	3
66	Optical and Nanomechanical Properties of Ga ₂ Se ₃ Single Crystals and Thin Films. <i>Jom</i> , 2021 , 73, 558-565	2.1	1
65	Improvement of electrical characteristics of SnSe/Si heterostructure by integration of Si nanowires. <i>Physica B: Condensed Matter</i> , 2021 , 604, 412669	2.8	0
64	Fabrication of CdSexTe1-x thin films by sequential growth using double sources. <i>Physica B: Condensed Matter</i> , 2021 , 619, 413232	2.8	0
63	First-principles studies of Tin+1SiNn (n = 1, 2, 3) MAX phase. <i>Philosophical Magazine</i> , 2020 , 100, 2183-2204	2.46	1
62	Material and Si-based diode analyses of sputtered ZnTe thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 11390-11397	2.1	2
61	Frequency effect on electrical and dielectric characteristics of HfO ₂ -interlayered Si-based Schottky barrier diode. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 9394-9407	2.1	8
60	Investigation of band gap energy versus temperature for SnS ₂ thin films grown by RF-magnetron sputtering. <i>Physica B: Condensed Matter</i> , 2020 , 591, 412264	2.8	4
59	Influence of temperature on optical properties of electron-beam-evaporated ZnSe thin film. <i>Physica Scripta</i> , 2020 , 95, 075804	2.6	3
58	Temperature-dependent material characterization of CuZnSe ₂ thin films. <i>Thin Solid Films</i> , 2020 , 701, 137941	2.2	0
57	Investigation of structural, electronic, magnetic and lattice dynamical properties for XCoBi (X: Ti, Zr, Hf) Half-Heusler compounds. <i>Physica B: Condensed Matter</i> , 2020 , 587, 412146	2.8	13
56	Electrical properties of Al/PCBM:ZnO/p-Si heterojunction for photodiode application. <i>Journal of Alloys and Compounds</i> , 2020 , 827, 154279	5.7	40
55	Temperature-dependent optical and electrical characterization of Cu-Ga-S thin films and their diode characteristics on n-Si. <i>Optik</i> , 2020 , 208, 164485	2.5	1
54	Synthesis and temperature-tuned band gap characteristics of magnetron sputtered ZnTe thin films. <i>Physica B: Condensed Matter</i> , 2020 , 582, 411968	2.8	11

53	Material and device properties of Si-based Cu _{0.5} Ag _{0.5} InSe ₂ thin-film heterojunction diode. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 1566-1573	2.1	2
52	Dark and illuminated electrical characteristics of Si-based photodiode interlayered with CuCo ₅ S ₈ nanocrystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 935-948	2.1	18
51	Electrical characteristics of organic heterojunction with an alternating benzotriazole and fluorene containing copolymer. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 18816-18831	2.1	6
50	Electrical characterization of CdZnTe/Si diode structure. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	7
49	Analysis of temperature-dependent forward and leakage conduction mechanisms in organic thin film heterojunction diode with fluorine-based PCBM blend. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 15233-15242	2.1	4
48	INVESTIGATION OF CONDUCTIVITY CHARACTERISTICS OF ZnIn ₂ Se THIN FILMS. <i>Surface Review and Letters</i> , 2020 , 27, 1950083	1.1	2
47	Temperature and frequency effects on electrical and dielectric properties of n-4H SiC based metal/insulator-semiconductor (MIS) diode interlayered with Si ₃ N ₄ thin film. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 8705-8717	2.1	12
46	First principles study on the structural, electronic, mechanical and lattice dynamical properties of XRhSb (X = Ti and Zr) paramagnet half-Heusler antimonides. <i>Materials Research Express</i> , 2019 , 6, 106315	1.7	10
45	Analysis of forward and reverse biased current-voltage characteristics of Al/Al ₂ O ₃ /n-Si Schottky diode with atomic layer deposited Al ₂ O ₃ thin film interlayer. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 19383-19393	2.1	14
44	Effects of Si nanowire on the device properties of n-ZnSe/p-Si heterostructure. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 4760-4765	2.1	4
43	Determination of current transport characteristics in Au-Cu/CuO/n-Si Schottky diodes. <i>Physica B: Condensed Matter</i> , 2019 , 570, 246-253	2.8	15
42	CZTSSe thin films fabricated by single step deposition for superstrate solar cell applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 11301-11306	2.1	6
41	Investigation of electrical properties of (In/ZnIn) ₂ Te ₄ /n-Si/Ag~diode). <i>Bulletin of Materials Science</i> , 2019 , 42, 1	1.7	7
40	Analysis of temperature-dependent transmittance spectra of Zn _{0.5} In _{0.5} Se (ZIS) thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 9356-9362	2.1	
39	Frequency effect on electrical and dielectric characteristics of In/Cu ₂ ZnSnTe ₄ /Si/Ag diode structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 9814-9821	2.1	7
38	Optical band gap and dispersion of optical constants of Cu-Ga-S thin films. <i>Optik</i> , 2019 , 186, 147-154	2.5	3
37	Temperature dependence of band gaps in sputtered SnSe thin films. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 131, 22-26	3.9	16
36	FABRICATION AND CHARACTERIZATION OF TiO ₂ THIN FILM FOR DEVICE APPLICATIONS. <i>Surface Review and Letters</i> , 2019 , 26, 1850205	1.1	2

35	Investigation of electrical characteristics of Ag/ZnO/Si sandwich structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 15371-15378	2.1	11
34	Electrical Characterization of ZnInSe ₂ /Cu _{0.5} Ag _{0.5} InSe ₂ Thin-Film Heterojunction. <i>Journal of Electronic Materials</i> , 2019 , 48, 3096-3104	1.9	2
33	Temperature dependence of electrical properties in (hbox {In/Cu}_{2})hbox {ZnSnTe}_{4}hbox {/Si/Ag diodes}). <i>Bulletin of Materials Science</i> , 2019 , 42, 1	1.7	11
32	Construction of self-assembled vertical nanoflakes on CZTSSe thin films. <i>Materials Research Express</i> , 2019 , 6, 026421	1.7	5
31	Structural and temperature-dependent optical properties of thermally evaporated CdS thin films. <i>Materials Science in Semiconductor Processing</i> , 2019 , 93, 148-152	4.3	21
30	Material characterization of thermally evaporated ZnSn ₂ Te ₄ thin films. <i>Optik</i> , 2019 , 178, 45-50	2.5	1
29	Analysis of current conduction mechanism in CZTSSe/n-Si structure. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 5264-5274	2.1	17
28	Investigation of carrier transport mechanisms in the Cu ₂ In ₂ Se ₃ based hetero-structure grown by sputtering technique. <i>Canadian Journal of Physics</i> , 2018 , 96, 816-825	1.1	9
27	Temperature-Dependent Electrical Characteristics of Au/Si ₃ N ₄ /4H n-SiC MIS Diode. <i>Journal of Electronic Materials</i> , 2018 , 47, 2979-2987	1.9	19
26	INVESTIGATION ON DEVICE CHARACTERISTICS OF n-CdS/p-Ag(Ga-In)Te ₂ HETEROJUNCTION DIODE. <i>Surface Review and Letters</i> , 2018 , 25, 1850107	1.1	1
25	Temperature dependence of electrical properties in Cu _{0.5} Ag _{0.5} InSe ₂ /Si heterostructure. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 11258-11264	2.1	5
24	Structural and optical properties of thermally evaporated Cu-Ga-S (CGS) thin films. <i>Physica B: Condensed Matter</i> , 2018 , 547, 92-96	2.8	4
23	Annealing Effect on Dark Electrical Conductivity and Photoconductivity of Ga-In-Se Thin Films. <i>Acta Physica Polonica A</i> , 2018 , 133, 1119-1124	0.6	
22	Structural characterization of ZnIn ₂ Se ₃ thin films. <i>Modern Physics Letters B</i> , 2017 , 31, 1750043	1.6	5
21	Deposition of CZTSe thin films and illumination effects on the device properties of Ag/n-Si/p-CZTSe/In heterostructure. <i>Journal of Alloys and Compounds</i> , 2017 , 709, 337-343	5.7	13
20	Investigation of precursor sequence and post-annealing effects on the properties of Cu ₂ SnZnSe ₄ thin films deposited by the elemental thermal evaporation. <i>Materials Research Express</i> , 2017 , 4, 086411	1.7	9
19	Study on the electrical properties of ZnSe/Si heterojunction diode. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 17806-17815	2.1	23
18	Optical and electrical characteristics of thermally evaporated Cu _{0.5} Ag _{0.5} InSe ₂ thin films. <i>Thin Solid Films</i> , 2017 , 639, 29-35	2.2	9

17	Investigations of thermal annealing role on the optical properties of Zn-In-Se thin films. <i>Optik</i> , 2017 , 144, 603-612	2.5	6
16	Investigation of post-thermal annealing on material properties of CuIn _{0.5} Ag _{0.5} Se thin films. <i>Journal of Semiconductors</i> , 2017 , 38, 123001	2.3	1
15	Device Characterization of ZnInSe ₂ Thin Films. <i>Energy Procedia</i> , 2016 , 102, 110-120	2.3	8
14	Structural characteristics of thermally evaporated Cu _{0.5} Ag _{0.5} InSe ₂ thin films. <i>Materials Research Express</i> , 2016 , 3, 055901	1.7	6
13	Device behavior of an In/p-Ag(Ga,In)Te ₂ /n-Si/Ag heterojunction diode. <i>Materials Science in Semiconductor Processing</i> , 2015 , 34, 138-145	4.3	22
12	Study on the Structural and Electrical Properties of Sequentially Deposited Ag _{0.5} Ga _{0.5} Se Thin Films. <i>Journal of Low Temperature Physics</i> , 2015 , 178, 162-173	1.3	4
11	Enhanced diode performance in cadmium telluride/silicon nanowire heterostructures. <i>Journal of Alloys and Compounds</i> , 2015 , 644, 131-139	5.7	10
10	Improved diode properties in zinc telluride thin film-silicon nanowire heterojunctions. <i>Philosophical Magazine</i> , 2015 , 95, 1164-1183	1.6	7
9	Investigation of optical parameters of thermally evaporated ZnSe thin films. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015 , 12, 1224-1228		3
8	Investigation of structural and optical parameters of Cu _{0.5} Ag _{0.5} Se thin films deposited by thermal evaporation method. <i>Optik</i> , 2015 , 126, 1578-1583	2.5	3
7	Device application of AgGa _{0.5} In _{0.5} Se ₂ thin films deposited by thermal sequential stacked layer method. <i>Materials Research Express</i> , 2014 , 1, 046407	1.7	2
6	Structural and optical properties of thermally evaporated GaInSe thin films. <i>Modern Physics Letters B</i> , 2014 , 28, 1450101	1.6	
5	Characterization of Co-evaporated Cu-Ag-In-Se Thin Films. <i>Brazilian Journal of Physics</i> , 2014 , 44, 719-725	1.2	5
4	Structural and optical properties of ZnInSe thin films deposited by thermal evaporation technique. <i>Journal of Alloys and Compounds</i> , 2013 , 566, 83-89	5.7	10
3	Influence of the Spot Size of the Probe Beam on the Detected THz Power Using Electro-Optic Detection Method. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2011 , 107-111	0.2	
2	THz probe studies of MBE grown epitaxial GaAs. <i>Journal of Physics: Conference Series</i> , 2009 , 193, 012088	0.3	4
1	Enhancement in Photovoltaic Characteristics of CdS/CdTe Heterojunction. <i>Journal of Polytechnic</i> , 801-805		2