

Makbule Terlemezoglu

List of Publications by Year in descending order

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31
papers

281
citations

933410

10
h-index

996954

15
g-index

31
all docs

31
docs citations

31
times ranked

187
citing authors

#	ARTICLE	IF	CITATIONS
1	Illumination and voltage effects on the forward and reverse bias current-voltage (I-V) characteristics in In/In ₂ S ₃ /p-Si photodiodes. Journal of Materials Science: Materials in Electronics, 2021, 32, 21825-21836.	2.2	21
2	Analysis of current conduction mechanism in CZTSSe/n-Si structure. Journal of Materials Science: Materials in Electronics, 2018, 29, 5264-5274.	2.2	20
3	Determination of current transport characteristics in Au-Cu/CuO/n-Si Schottky diodes. Physica B: Condensed Matter, 2019, 570, 246-253.	2.7	20
4	Temperature-tuned band gap properties of MoS ₂ thin films. Materials Letters, 2020, 275, 128080.	2.6	20
5	Characterization of one-step deposited Cu ₂ ZnSnS ₄ thin films derived from a single crystalline powder. Renewable Energy, 2019, 143, 1133-1142.	8.9	19
6	Temperature dependence of band gaps in sputtered SnSe thin films. Journal of Physics and Chemistry of Solids, 2019, 131, 22-26.	4.0	18
7	Deposition of CZTSe thin films and illumination effects on the device properties of Ag/n-Si/p-CZTSe/In heterostructure. Journal of Alloys and Compounds, 2017, 709, 337-343.	5.5	16
8	Temperature dependence of electrical properties in In/Cu ₂ ZnSnTe ₄ /Si/Ag diodes. Bulletin of Materials Science, 2019, 42, 1.	1.7	13
9	Investigation of precursor sequence and post-annealing effects on the properties of Cu ₂ SnZnSe ₄ thin films deposited by the elemental thermal evaporation. Materials Research Express, 2017, 4, 086411.	1.6	12
10	Investigation of electrical characteristics of Ag/ZnO/Si sandwich structure. Journal of Materials Science: Materials in Electronics, 2019, 30, 15371-15378.	2.2	12
11	Frequency effect on electrical and dielectric characteristics of In/Cu ₂ ZnSnTe ₄ /Si/Ag diode structure. Journal of Materials Science: Materials in Electronics, 2019, 30, 9814-9821.	2.2	11
12	Temperature-dependent optical characteristics of sputtered NiO thin films. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	2.3	11
13	Investigation of carrier transport mechanisms in the Cu-Zn-Se based hetero-structure grown by sputtering technique. Canadian Journal of Physics, 2018, 96, 816-825.	1.1	10
14	Electrical characterization of CdZnTe/Si diode structure. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	9
15	CZTSSe thin films fabricated by single step deposition for superstrate solar cell applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 11301-11306.	2.2	8
16	Construction of self-assembled vertical nanoflakes on CZTSSe thin films. Materials Research Express, 2019, 6, 026421.	1.6	8
17	Investigation of band gap energy versus temperature for SnS ₂ thin films grown by RF-magnetron sputtering. Physica B: Condensed Matter, 2020, 591, 412264.	2.7	8
18	Temperature dependent band gap in SnS ₂ xSe(2-2x) (x = 0.5) thin films. Materials Science in Semiconductor Processing, 2020, 114, 105083.	4.0	7

#	ARTICLE	IF	CITATIONS
19	Optical and structural characteristics of electrodeposited Cd _{1-x} Zn _x S nanostructured thin films. <i>Optical Materials</i> , 2021, 114, 110966.	3.6	7
20	Vibrational modes in (TiGaS ₂) _x (TiGaSe ₂) _{1-x} mixed crystals by Raman measurements: compositional dependence of the mode frequencies and line-shapes. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 14330-14335.	2.2	6
21	Structural and temperature-tuned bandgap characteristics of thermally evaporated In ₂ -In ₂ S ₃ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 15851-15856.	2.2	6
22	Material and Si-based diode analyses of sputtered ZnTe thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11390-11397.	2.2	5
23	Growth and optical characterization of Sn _{0.6} Sb _{0.4} Se layer single crystals for optoelectronic applications. <i>Materials Science in Semiconductor Processing</i> , 2022, 141, 106434.	4.0	4
24	Temperature-dependent material characterization of CuZnSe ₂ thin films. <i>Thin Solid Films</i> , 2020, 701, 137941.	1.8	3
25	Characterization of Cu-rich and Zn-poor Cu ₂ ZnSnS ₄ single crystal grown by vertical Bridgman technique. <i>Journal of Crystal Growth</i> , 2021, 574, 126336.	1.5	3
26	The effect of Zn concentration on the structural and optical properties of Cd _{1-x} Zn _x S nanostructured thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 25225-25233.	2.2	2
27	Fabrication of Cd _x Se _{1-x} thin films by sequential growth using double sources. <i>Physica B: Condensed Matter</i> , 2021, 619, 413232.	2.7	2
28	A Study on Tetragonal-star Like Shaped Inverted Pyramid Texturing. , 2021, , .		0
29	Transfer of ordered and disordered Si nanowires onto alien substrates for the fabrication of third-generation solar cells. , 2019, , .		0
30	Growth and Characterization of Stoichiometric Cu ₂ ZnSnS ₄ Crystal Using Vertical Bridgman Technique. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 0, , .	1.8	0
31	A Study on the Structural, Morphological and Optical Properties of Cu _{2-x} Se Thin Films Deposited by Thermal Evaporation. <i>Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi</i> , 0, , .	0.6	0