

Ãaglar Ãetinkaya

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The effect of thickness on surface structure of rf sputtered TiO ₂ thin films by XPS, SEM/EDS, AFM and SAM. Vacuum, 2020, 182, 109766.	3.5	68
2	Design and fabrication of a semi-transparent solar cell considering the effect of the layer thickness of MoO ₃ /Ag/MoO ₃ transparent top contact on optical and electrical properties. Scientific Reports, 2021, 11, 13079.	3.3	25
3	A comprehensive study on Cu-doped ZnO (CZO) interlayered MOS structure. Journal of Materials Science: Materials in Electronics, 2020, 31, 13646-13656.	2.2	18
4	Highly improved light harvesting and photovoltaic performance in CdTe solar cell with functional designed 1D-photonic crystal via light management engineering. Scientific Reports, 2022, 12, .	3.3	18
5	Optical properties of n- and p-type modulation doped GaAsBi/AlGaAs quantum well structures. Journal of Alloys and Compounds, 2018, 739, 987-996.	5.5	16
6	Evaluation on output parameters of the inverted organic solar cells depending on transition-metal-oxide based hole-transporting materials. Optical Materials, 2021, 120, 111457.	3.6	16
7	Negative capacitance phenomena in Au/SrTiO ₃ /p-Si heterojunction structure. Journal of Materials Science: Materials in Electronics, 2020, 31, 8718-8726.	2.2	14
8	Structural, morphological, optical and electrical properties of the Ti doped-ZnO (TZO) thin film prepared by RF sputter technique. Physica B: Condensed Matter, 2021, 616, 413126.	2.7	13
9	Electronic transport in n-type modulation-doped AlGaAs/GaAsBi quantum well structures: influence of Bi and thermal annealing on electron effective mass and electron mobility. Semiconductor Science and Technology, 2020, 35, 025009.	2.0	10
10	Determination of surface morphology and electrical properties of MoO ₃ layer deposited on GaAs substrate with RF magnetron sputtering. Journal of Materials Science: Materials in Electronics, 2021, 32, 12330-12339.	2.2	9
11	Functional optical design of thickness-optimized transparent conductive dielectric-metal-dielectric plasmonic structure. Scientific Reports, 2022, 12, .	3.3	9
12	V-groove etched 1-eV-GaN NAs nipi solar cell. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	6
13	Characterization of emitted light from travelling Gunn domains in Al _{0.08} Ga _{0.92} As alloy based Gunn devices. Superlattices and Microstructures, 2017, 111, 744-753.	3.1	4
14	A quantitative analysis of electronic transport in n- and p-type modulation-doped GaAsBi/AlGaAs quantum well structures. Semiconductor Science and Technology, 2021, 36, 115017.	2.0	4
15	Evaluation of dielectric properties of Au/TZO/n-Si structure depending on frequency and voltage. Journal of Materials Science: Materials in Electronics, 2022, 33, 10516-10523.	2.2	3
16	Frequency effect on electrical and dielectric performance of Au/n-GaAs structure with RF sputtering MoO ₃ interfacial layer. Journal of Materials Science: Materials in Electronics, 2022, 33, 16597-16605.	2.2	3
17	Effect of Annealing on the Surface Morphology and Current-Voltage Characterization of a CZO Structure Prepared by RF Magnetron Sputtering. Semiconductors, 2021, 55, 28-36.	0.5	2
18	Theoretical Evaluation of Angle-Dependent Optical Properties of a Thin Film Solar Cell including One-Dimension Photonic Crystals. Gazi University Journal of Science Part A:engineering and Innovation, 0, , 164-172.	0.5	0