

Hazem K Khanfar

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Design and electrical performance of CdS/Sb ₂ Te ₃ tunneling heterojunction devices. Materials Research Express, 2018, 5, 026303.	1.6	36
2	Impact of Yb, In, Ag and Au thin film substrates on the crystalline nature, Schottky barrier formation and microwave trapping properties of Bi ₂ O ₃ films. Materials Science in Semiconductor Processing, 2017, 64, 63-70.	4.0	20
3	Design and Applications of Yb/Ga ₂ Se ₃ /C Schottky Barriers. IEEE Sensors Journal, 2017, 17, 4429-4434.	4.7	18
4	Broadband IR polarizing beam splitter using a subwavelength-structured one-dimensional photonic-crystal layer embedded in a high-index prism. Applied Optics, 2009, 48, 5121.	2.1	12
5	Al/MoO ₃ /ZnPc/Al Broken Gap Tunneling Hybrid Devices Design for IR Laser Sensing and Microwave Filtering. IEEE Sensors Journal, 2020, 20, 14772-14779.	4.7	12
6	Performance of the Au/MgO/Ni photovoltaic devices. Materials Science in Semiconductor Processing, 2015, 29, 183-187.	4.0	11
7	Design and Applications of Al/InSe/BN/Ag Hybrid Device. IEEE Sensors Journal, 2015, 15, 3603-3607.	4.7	10
8	Optical conduction in amorphous GaSe thin films. Optik, 2016, 127, 5193-5195.	2.9	10
9	Band offsets, dielectric dispersion and some applications of CdSe/GeO ₂ heterojunctions. Optik, 2021, 231, 166506.	2.9	9
10	Design and characterization of Au/In ₄ Se ₃ /Ga ₂ S ₃ /C field effect transistors. Results in Physics, 2018, 8, 1239-1244.	4.1	8
11	Design and Performance of (Au,Yb)/ZnS/InSe/C Heterojunctions as Plasmon Resonators, Photodetectors and Microwave Cavities. Journal of Electronic Materials, 2017, 46, 1650-1657.	2.2	7
12	Design and Characterization of MoO ₃ /Mg/MoO ₃ Interfaces. IEEE Transactions on Electron Devices, 2020, 67, 4354-4359.	3.0	7
13	Optical dynamics at the MoO ₃ /ZnPc interfaces prepared for visible light communications. Physica Scripta, 2020, 95, 075503.	2.5	7
14	Negative Capacitance Effect in Ag/In ₂ Se ₃ /CdS/CdSe/C Dual Band Stop Filters. Journal of Electronic Materials, 2019, 48, 244-251.	2.2	6
15	Preparation and Characterization of Orthorhombic AgMn Alloys by the Pulsed Laser Welding Technique. Crystal Research and Technology, 2022, 57, .	1.3	6
16	Characterization of CdS/Sb ₂ Te ₃ micro/nano-interfaces. Optik, 2018, 158, 1154-1159.	2.9	5
17	Optoelectronic properties of the InSe/Ga ₂ S ₃ interfaces. Results in Physics, 2018, 10, 332-338.	4.1	5
18	Impact of Mg layer thickness on the performance of the Mg/Bi ₂ O ₃ plasmonic interfaces. Thin Solid Films, 2018, 651, 71-76.	1.8	4

#	ARTICLE	IF	CITATIONS
19	Formation Mechanism, Structural and Optoelectronic Properties of As ₂ Se ₃ /CdS Heterojunctions Prepared by Physical Vapor Deposition Technique. Journal of Electronic Materials, 2019, 48, 4368-4374.	2.2	4
20	Polarization properties of retroreflecting right-angle prisms. Applied Optics, 2008, 47, 359.	2.1	3
21	In-line broadband 270° (3λ/4) chevron four-reflection wave retarders. Applied Optics, 2008, 47, 4878.	2.1	3
22	Investigations of 2.9-GHz Resonant Microwave-Sensitive Ag/MgO/Ge/Ag Tunneling Diodes. Journal of Electronic Materials, 2013, 42, 3451-3457.	2.2	3
23	Fabrication and Characterization of Ag/BN/Ni Microwave Rejection-Band Filters. IEEE Transactions on Electron Devices, 2014, 61, 2154-2157.	3.0	3
24	Analysis of the Junction Properties of C/GaSe_{0.5}S_{0.5}/C Back-to-Back Schottky-Type Photodetectors. IEEE Sensors Journal, 2015, 15, 2269-2273.	4.7	3
25	Properties of Hf-Doped Bi_{1.5}Zn_{0.92}Nb_{1.5}O_{6.92} Ceramic Varicaps. IEEE Transactions on Electron Devices, 2016, 63, 471-475.		3
26	Structural and electrical characterizations of the as grown and annealed Au/MoO ₃ /In/MoO ₃ /C bandpass filters. Microwave and Optical Technology Letters, 2019, 61, 2866-2872.	1.4	3
27	Effects of Laser Excitation and Temperature on Ag/GaSe _{0.5} S _{0.5} /C Microwave Filters. Journal of Electronic Materials, 2014, 43, 3121-3127.	2.2	2
28	Enhancement of the performance of the Cu ₂ Se band filters via Yb nanosandwiching. Microwave and Optical Technology Letters, 2019, 61, 1449-1455.	1.4	2
29	Polarizing beam splitters for lightwave communication wavelengths using one-dimensional gaas grating layer embedded in GaP cube. , 2009, , .		1
30	Polarization Sensitive Reflection and Dielectric Spectra in GaSe Thin Films. Advances in OptoElectronics, 2016, 2016, 1-7.	0.6	1
31	MgO/GaSe_{0.5}S_{0.5} Heterojunction as Photodiodes and Microwave Resonators. IEEE Sensors Journal, 2016, 16, 670-674.	4.7	1
32	Microwave Impedance Spectroscopy and Temperature Effects on the Electrical Properties of Au/BN/C Interfaces. Active and Passive Electronic Components, 2017, 2017, 1-8.	0.3	0
33	Post annealing effects on the structural and optical properties of MoO ₃ sandwiched with indium slabs. Materials Research Express, 2019, 6, 116453.	1.6	0