

# Messaoud J Bahoura

## List of Publications by Year in descending order

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38  
papers

324  
citations

933447

10  
h-index

888059

17  
g-index

38  
all docs

38  
docs citations

38  
times ranked

424  
citing authors

#	ARTICLE	IF	CITATIONS
1	LLCZN/PEO/LiPF6 Composite Solid-State Electrolyte for Safe Energy Storage Application. Batteries, 2022, 8, 3.	4.5	8
2	Lead-free relaxor-ferroelectric thin films for energy harvesting from low-grade waste-heat. Scientific Reports, 2021, 11, 111.	3.3	16
3	Gallium doped zinc oxide thin films as transparent conducting oxide for thin-film heaters. AIP Advances, 2021, 11, .	1.3	14
4	Multi-functional organic field effect transistor based on a dual doped P3HT. AIMS Materials Science, 2021, 8, 823-835.	1.4	1
5	Data-driven thermoelectric modeling: Current challenges and prospects. Journal of Applied Physics, 2021, 130, .	2.5	9
6	Europium doping of cadmium selenide (CdSe) quantum dots <i>via</i> rapid microwave synthesis for optoelectronic applications. Dalton Transactions, 2021, 51, 264-273.	3.3	3
7	Rapid Microwave Synthesis of Tunable Cadmium Selenide (CdSe) Quantum Dots for Optoelectronic Applications. Journal of Nanomaterials, 2020, 2020, 1-8.	2.7	23
8	Potential low powered smart window coating using a stoichiometrically downgraded vanadium oxide thin film structure. AIP Advances, 2020, 10, 065201.	1.3	1
9	Surface Modification and Charge Injection in a Nanocomposite Of Metal Nanoparticles and Semiconductor Oxide Nanostructures. Scientific Reports, 2020, 10, 4743.	3.3	9
10	A thin film efficient pn-junction thermoelectric device fabricated by self-align shadow mask. Scientific Reports, 2020, 10, 1067.	3.3	25
11	Reduced Transition Temperature in Al:ZnO/VO2 Based Multi-Layered Device for low Powered Smart Window Application. Scientific Reports, 2020, 10, 1824.	3.3	14
12	Investigation of Microwave Irradiation Procedure for Synthesizing CdSe Quantum Dots. Advances in Materials Science and Engineering, 2020, 2020, 1-8.	1.8	0
13	A polymer composite based organic FET multi-sensing device. , 2020, , .		1
14	Gamma irradiation effect studies on monolayer CVD grown graphene on metallic substrates. , 2020, , .		0
15	Plasmonic Pixel Biosensor Based on Grazing Angle Illumination and Computational Imaging. IEEE Sensors Journal, 2019, 19, 7313-7318.	4.7	2
16	RF magnetron-sputtered Alâ€ZnO/Ag/Alâ€ZnO (AAA) multilayer electrode for transparent and flexible thin-film heater. Journal of Materials Science, 2019, 54, 7062-7071.	3.7	20
17	Large energy storage density performance of epitaxial BCT/BZT heterostructures via interface engineering. Scientific Reports, 2019, 9, 16809.	3.3	27
18	Growth Optimization of Multi-layer Thin Film Thermoelectric Materials based on Bi2Te3 / WS2 superlattice Structure. MRS Advances, 2019, 4, 1709-1717.	0.9	1

#	ARTICLE	IF	CITATIONS
19	Thickness controlled nanostructure formation in RF sputtered WS <sub>2</sub> thin film. Materials Research Express, 2019, 6, 025002.	1.6	1
20	ALD-Grown Metal Oxide Films for the Detection of Molecular Contaminants on Spacecraft. Journal of the IEST, 2019, 62, 1-10.	0.2	0
21	Infrared metamaterial by RF magnetron sputtered ZnO/Al:ZnO multilayers. AIP Advances, 2018, 8, .	1.3	1
22	Large Expansion of Operating Voltage Window in Polymer Based Flexible Solid State Supercapacitor. MRS Advances, 2018, 3, 1291-1300.	0.9	1
23	Lead-free epitaxial ferroelectric heterostructures for energy storage applications. AIP Advances, 2018, 8, 125112.	1.3	10
24	Fabrication and characterization of SnO <sub>2</sub> nanorods for room temperature gas sensors. AIP Advances, 2018, 8, .	1.3	25
25	High-performance transparent film heater using random mesowire silver network. Journal of Materials Science: Materials in Electronics, 2018, 29, 21088-21096.	2.2	3
26	Highly-efficient thermoelectric pn-junction device based on bismuth telluride (Bi <sub>2</sub> Te <sub>3</sub> ) and molybdenum disulfide (MoS <sub>2</sub> ) thin films fabricated by RF magnetron sputtering technique. Journal of Applied Physics, 2018, 124, .	2.5	9
27	Witness monitoring program with portable Raman spectroscopy for detecting molecular contamination. , 2018, , .		0
28	Electrical conductivity and photoresistance of atomic layer deposited Al-doped ZnO films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, 01A146.	2.1	20
29	Competition between (001) and (111) MgO thin film growth on Al-doped ZnO by oxygen plasma assisted pulsed laser deposition. Journal of Applied Physics, 2013, 113, 214102.	2.5	3
30	Magnetic tunnel junctions using LaSrMnO ferromagnetic electrodes and PbZrTiO <sub>3</sub> piezoelectric barrier. Journal of Materials Research, 2009, 24, 3065-3072.	2.6	3
31	Study of absorption and reflection in solid-state random laser media. Applied Optics, 2004, 43, 4237.	2.1	7
32	Ultimate linewidth reduction of a semiconductor laser frequency-stabilized to a Fabry-Perot interferometer. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2003, 50, 1414-1421.	3.0	2
33	Determination of the transport mean free path in a solid-state random laser. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 2389.	2.1	42
34	Stimulated emission in scattering and composite dielectric media (random lasers): effect of particle size (Key Lecture). , 2003, 5218, 124.		1
35	Diode-laser noise conversion in an optically dense atomic sample. Optics Letters, 2001, 26, 926.	3.3	13
36	Synthesis and characterization of maleic anhydride derived crosslinkable polymers for nonlinear optical applications. , 2000, , .		1

#	ARTICLE	IF	CITATIONS
37	Terahertz wave source via difference-frequency mixing using cross-Reststrahlen band dispersion compensation phase matching: a material study. , 2000, , .		7
38	Highly dense CeO <sub>2</sub> nanofibers and MnO <sub>2</sub> nanoflowers composite electrode for energy storage application. Atlas Journal of Materials Science, 0, , 83-89.	0.2	1