

Yas Al-Hadeethi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69
papers

792
citations

15
h-index

25
g-index

79
ext. papers

1,114
ext. citations

3.1
avg, IF

4.78
L-index

#	Paper	IF	Citations
69	Fabrication of Lead Free Borate Glasses Modified by Bismuth Oxide for Gamma Ray Protection Applications.. <i>Materials</i> , 2022 , 15,	3.5	5
68	Thermal Analysis of a Metal-Organic Framework Zn _x Co-ZIF-8 for Recent Applications. <i>Polymers</i> , 2021 , 13,	4.5	3
67	Convolution model for COVID-19 rate predictions and health effort levels computation for Saudi Arabia, France, and Canada. <i>Scientific Reports</i> , 2021 , 11, 22664	4.9	1
66	Fabrication of TeO ₂ -doped strontium borate glasses possessing optimum physical, structural, optical and gamma ray shielding properties. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	2
65	A comprehensive investigation on the role of PbO in the structural and radiation shielding attribute of P ₂ O ₅ -CaO-Na ₂ O-K ₂ O-PbO glass system. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 12371-12382	2.1	7
64	Understanding the role of Bi ₂ O ₃ in the P ₂ O ₅ -CaO-Na ₂ O-K ₂ O glass system in terms of physical, structural and radiation shielding properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 11649-11665	2.1	8
63	Optimization of SbS Nanocrystal Concentrations in PHT: PCBM Layers to Improve the Performance of Polymer Solar Cells. <i>Polymers</i> , 2021 , 13,	4.5	1
62	Energization of cold ions by electromagnetic ion cyclotron waves: Magnetospheric multiscale (MMS) observations. <i>Physics of Plasmas</i> , 2021 , 28, 072901	2.1	1
61	Mechanical and radiation shielding features of bioactive glasses: SiO ₂ -Na ₂ O-CaO-P ₂ O ₅ -B ₂ O ₃ for utilization in dental applications. <i>Journal of Non-Crystalline Solids</i> , 2021 , 552, 120489	3.9	10
60	ZnO/Bi ₂ O ₃ nanocubes for fluorescence sensing and dye degradation applications. <i>Ceramics International</i> , 2021 , 47, 6201-6210	5.1	16
59	Synthesis, optical and radiation shielding capacity of the Sm ₂ O ₃ doped borate glasses. <i>Journal of Non-Crystalline Solids</i> , 2021 , 553, 120505	3.9	5
58	In vitro microcosm of co-cultured bacteria for the removal of hexavalent Cr and tannic acid: A mechanistic approach to study the impact of operational parameters. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 208, 111484	7	7
57	Silica-Based Bioactive Glasses and Their Applications in Hard Tissue Regeneration: A Review. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	16
56	Synthesis, physical, optical properties, and gamma-ray absorbing competency or capability of PbO/B ₂ O ₃ /CaO glasses reinforced with Nd ³⁺ /Er ³⁺ ions. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	1
55	Tailoring Dy ³⁺ /Tb ³⁺ -doped lead telluride borate glasses for gamma-ray shielding applications. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	4
54	Structural, optical, and gamma-ray shielding properties of a newly fabricated P ₂ O ₅ -B ₂ O ₃ -Bi ₂ O ₃ -Li ₂ O-ZrO ₂ glass system. <i>European Physical Journal Plus</i> , 2021 , 136, 1	3.1	2
53	Gamma-ray attenuation competences and optical characterization of MgO/MoO ₃ /TeO ₂ /BaO glasses. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	1

52	The impact of TeO ₂ on the gamma attenuation features of oxyfluoro boro-tellurite glasses. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	5
51	Electrical properties of Ga-doped ZnO nanowires/Si heterojunction diode. <i>Materials Express</i> , 2020 , 10, 794-801	1.3	6
50	Quantum correlations and quantum Fisher information of two qubits in the presence of the time-dependent coupling effect. <i>European Physical Journal Plus</i> , 2020 , 135, 1	3.1	2
49	Mathematical Model on Gravitational Electro-Magneto-Thermoelasticity with Two Temperature and Initial Stress in the Context of Three Theories. <i>Mathematics</i> , 2020 , 8, 735	2.3	4
48	Integrated photonic FFT for photonic tensor operations towards efficient and high-speed neural networks. <i>Nanophotonics</i> , 2020 , 9, 4097-4108	6.3	3
47	Antimicrobial Mechanisms and Effectiveness of Graphene and Graphene-Functionalized Biomaterials. A Scope Review. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 465	5.8	72
46	Optimization of the Electrochemical Performance of a Composite Polymer Electrolyte Based on PVA-KCO-SiO Composite. <i>Polymers</i> , 2020 , 13,	4.5	8
45	Effect of Strontium Doping Into CaBi ₂ Nb ₂ O ₉ Aurivillius Oxide Nanoceramics: Structural and Electrical Properties. <i>Journal of Nanoelectronics and Optoelectronics</i> , 2020 , 15, 32-40	1.3	
44	Fabrication and in-vitro biocompatibility of freeze-dried CTS-nHA and CTS-nBG scaffolds for bone regeneration applications. <i>International Journal of Biological Macromolecules</i> , 2020 , 149, 1-10	7.9	21
43	On the computational and numerical solutions of the transmission of nerve impulses of an excitable system (the neuron system). <i>Journal of Intelligent and Fuzzy Systems</i> , 2020 , 38, 2603-2610	1.6	8
42	Solution-processed sphere-like Cu ₂ ZnSnS ₄ nanoparticles for solar cells: effect of oleylamine concentration on properties. <i>Applied Physics A: Materials Science and Processing</i> , 2020 , 126, 1	2.6	1
41	Investigation of Acetone Vapour Sensing Properties of a Ternary Composite of Doped Polyaniline, Reduced Graphene Oxide and Chitosan Using Surface Plasmon Resonance Biosensor. <i>Polymers</i> , 2020 , 12,	4.5	6
40	State of the Art and New Directions on Electrospun Lignin/Cellulose Nanofibers for Supercapacitor Application: A Systematic Literature Review. <i>Polymers</i> , 2020 , 12,	4.5	18
39	Acetone Vapor-Sensing Properties of Chitosan-Polyethylene Glycol Using Surface Plasmon Resonance Technique. <i>Polymers</i> , 2020 , 12,	4.5	3
38	Information quantifiers for trapped ion in a carrier excitation laser field. <i>Modern Physics Letters A</i> , 2020 , 35, 2050235	1.3	
37	Radiation interaction parameters of commercial building glasses at energies of interest for potential nuclear accidents. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 4765-4772	3.8	2
36	Highly Sensitive Picric Acid Chemical Sensor Based on Samarium (Sm) Doped ZnO Nanorods. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 3637-3642	1.3	5
35	Ytterbium-Doped ZnO Flowers Based Phenyl Hydrazine Chemical Sensor. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 4199-4204	1.3	7

34	The use of isophthalic-bismuth polymer composites as radiation shielding barriers in nuclear medicine. <i>Materials Research Express</i> , 2019 , 6, 055323	1.7	15
33	The use of lead-free transparent 50BaO-(50-x)borosilicate-xBi ₂ O ₃ glass system as radiation shields in nuclear medicine. <i>Journal of Alloys and Compounds</i> , 2019 , 803, 625-630	5.7	28
32	An extensive investigation of physical, optical and radiation shielding properties for borate glasses modified with gadolinium oxide. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	13
31	Physical, structural, optical, and radiation shielding properties of B ₂ O ₃ -Nd ₂ O ₃ -ZnO glass system. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	13
30	Radiation shielding properties of transparent erbium zinc tellurite glass system determined at medical diagnostic energies. <i>Journal of Alloys and Compounds</i> , 2018 , 741, 293-299	5.7	82
29	Shielding of beta and bremsstrahlung radiation with transparent BiO-BO-TeO glasses in therapeutic nuclear medicine. <i>Journal of Radiological Protection</i> , 2018 , 38, N44-N51	1.2	8
28	Fabrication and Characterizations of Ethanol Sensor Based on CuO Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 2892-2897	1.3	5
27	Hydroquinone Sensor Based on Neodymium (Nd) Doped ZnO Hexagonal Nanorods. <i>Nanoscience and Nanotechnology Letters</i> , 2018 , 10, 351-357	0.8	3
26	Substrate temperature effect during the deposition of (Cu/Sn/Cu/Zn) stacked precursor CZTS thin film deposited by electron-beam evaporation. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 20476-20484	2.1	15
25	Synthesis, characterization and acetone gas sensing applications of Ag-doped ZnO nanoneedles. <i>Ceramics International</i> , 2017 , 43, 6765-6770	5.1	76
24	Quantum Transfer Energy and Nonlocal Correlation in a Dimer with Time-Dependent Coupling Effect. <i>International Journal of Theoretical Physics</i> , 2017 , 56, 1417-1428	1.1	
23	Synthesis and Dielectric Properties of Nanocrystalline Strontium Bismuth Niobate. <i>Journal of Nanoscience and Nanotechnology</i> , 2017 , 17, 594-600	1.3	5
22	2D Sn-doped ZnO ultrathin nanosheet networks for enhanced acetone gas sensing application. <i>Ceramics International</i> , 2017 , 43, 2418-2423	5.1	62
21	Highly Sensitive Hydroquinone Chemical Sensor Based on Cd _{0.5} Mg _{0.4} Ca _{0.1} Fe ₂ O ₄ Nanoparticles. <i>Science of Advanced Materials</i> , 2017 , 9, 2196-2201	2.3	6
20	Mobility controlled linear magnetoresistance with 3D anisotropy in a layered graphene pallet. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 425005	3	
19	The durability of a hydroxyapatite paste used in decreasing the permeability of hypersensitive dentin. <i>Journal of Dentistry</i> , 2016 , 51, 1-7	4.8	9
18	Calculating the ambient dose equivalent of fast neutrons using elemental composition of human body. <i>Applied Mathematics and Computation</i> , 2016 , 274, 604-610	2.7	6
17	Low-Temperature Grown ZnO Nanoflakes for Dye Sensitized Solar Cell Application. <i>Nanoscience and Nanotechnology Letters</i> , 2016 , 8, 874-879	0.8	2

16	Realistic Quantum Control of Energy Transfer in Photosynthetic Processes. <i>Energies</i> , 2016 , 9, 1063	3.1	3
15	Data Fitting to Study Ablated Hard Dental Tissues by Nanosecond Laser Irradiation. <i>PLoS ONE</i> , 2016 , 11, e0156093	3.7	4
14	Magnetic Nanoparticles: Synthesis, Characterization and Magnetic Properties of Cobalt Aluminum Ferrite. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 4733-41	1.3	2
13	Locality and classicality: role of entropic inequalities. <i>Quantum Information Processing</i> , 2015 , 14, 3115-3133	3.7	1
12	Light-trapping optimization in wet-etched silicon photonic crystal solar cells. <i>Journal of Applied Physics</i> , 2015 , 118, 023103	2.5	23
11	An evolutionary inspection game with labour unions on small-world networks. <i>Scientific Reports</i> , 2015 , 5, 8881	4.9	28
10	Solution-phase synthesis of chromium-functionalized single-walled carbon nanotubes. <i>Materials Letters</i> , 2015 , 142, 312-316	3.3	5
9	Effects of Very Low Dose Fast Neutrons on Cell Membrane And Secondary Protein Structure in Rat Erythrocytes. <i>PLoS ONE</i> , 2015 , 10, e0139854	3.7	13
8	Formation of Transition Metal Cluster Adducts on the Surface of Single-walled Carbon Nanotubes: HRTEM Studies. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2014 , 22, 47-53	1.8	3
7	Metals on Graphene and Carbon Nanotube Surfaces: From Mobile Atoms to Atomtronics to Bulk Metals to Clusters and Catalysts. <i>Chemistry of Materials</i> , 2014 , 26, 184-195	9.6	48
6	Genes alternations with exposure time of environmental factors. <i>Gene</i> , 2013 , 528, 256-60	3.8	1
5	Synthesis of ZnO thin films by 40 ps @ 532 nm laser pulses. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 104, 871-876	2.6	2
4	Laser Induced Forward Transfer (LIFT) of Materials using 40 ps Pulses-Experimental and Quantitative Modelisation Study. <i>Journal of Laser Micro Nanoengineering</i> , 2011 , 6, 151-157	1	2
3	An injector/amplifier double target configuration for the Ne-like Ge X-ray laser scheme. <i>Optics Communications</i> , 1992 , 91, 71-76	2	40
2	Understanding the control of inclusion of SrO to the Li ₂ O-K ₂ O-B ₂ O ₃ -SrO glasses on the physical, structural, and gamma ray shielding performance. <i>Journal of the Australian Ceramic Society</i> , 1	1.5	
1	Molecular grafting based polymeric carbon nitride for wondrous artificial photosynthesis. <i>International Journal of Energy Research</i> ,	4.5	4