Yas Al-Hadeethi

List of Publications by Citations

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	Radiation shielding properties of transparent erbium zinc tellurite glass system determined at medical diagnostic energies. *Journal of Alloys and Compounds*, **2018**, 741, 293-299	5.7	82
68	Synthesis, characterization and acetone gas sensing applications of Ag-doped ZnO nanoneedles. *Ceramics International*, **2017**, 43, 6765-6770	5.1	76
67	Antimicrobial Mechanisms and Effectiveness of Graphene and Graphene-Functionalized Biomaterials. A Scope Review. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 465	5.8	72
66	2D Sn-doped ZnO ultrathin nanosheet networks for enhanced acetone gas sensing application. *Ceramics International*, **2017**, 43, 2418-2423	5.1	62
65	Metals on Graphene and Carbon Nanotube Surfaces: From Mobile Atoms to Atomtronics to Bulk Metals to Clusters and Catalysts. *Chemistry of Materials*, **2014**, 26, 184-195	9.6	48
64	An injector/amplifier double target configuration for the Ne-like Ge X-ray laser scheme. *Optics Communications*, **1992**, 91, 71-76	2	40
63	The use of lead-free transparent 50BaO-(50-x)borosilicate-xBi2O3 glass system as radiation shields in nuclear medicine. *Journal of Alloys and Compounds*, **2019**, 803, 625-630	5.7	28
62	An evolutionary inspection game with labour unions on small-world networks. *Scientific Reports*, **2015**, 5, 8881	4.9	28
61	Light-trapping optimization in wet-etched silicon photonic crystal solar cells. *Journal of Applied Physics*, **2015**, 118, 023103	2.5	23
60	Fabrication and in-vitro biocompatibility of freeze-dried CTS-nHA and CTS-nBG scaffolds for bone regeneration applications. *International Journal of Biological Macromolecules*, **2020**, 149, 1-10	7.9	21
59	State of the Art and New Directions on Electrospun Lignin/Cellulose Nanofibers for Supercapacitor Application: A Systematic Literature Review. *Polymers*, **2020**, 12,	4.5	18
58	ZnO□SnO2 nanocubes for fluorescence sensing and dye degradation applications. *Ceramics International*, **2021**, 47, 6201-6210	5.1	16
57	Silica-Based Bioactive Glasses and Their Applications in Hard Tissue Regeneration: A Review. *Pharmaceuticals*, **2021**, 14,	5.2	16
56	The use of isophthalic-bismuth polymer composites as radiation shielding barriers in nuclear medicine. *Materials Research Express*, **2019**, 6, 055323	1.7	15
55	Substrate temperature effect during the deposition of (Cu/Sn/Cu/Zn) stacked precursor CZTS thin film deposited by electron-beam evaporation. *Journal of Materials Science: Materials in Electronics*, **2018**, 29, 20476-20484	2.1	15
54	An extensive investigation of physical, optical and radiation shielding properties for borate glasses modified with gadolinium oxide. *Applied Physics A: Materials Science and Processing*, **2019**, 125, 1	2.6	13
53	Effects of Very Low Dose Fast Neutrons on Cell Membrane And Secondary Protein Structure in Rat Erythrocytes. *PLoS ONE*, **2015**, 10, e0139854	3.7	13

52	Physical, structural, optical, and radiation shielding properties of B2O3□d2O3Y2O3 glass system. *Applied Physics A: Materials Science and Processing*, **2019**, 125, 1	2.6	13
51	Mechanical and radiation shielding features of bioactive glasses: SiO2-Na2O-CaO-P2O5-B2O3 for utilization in dental applications. *Journal of Non-Crystalline Solids*, **2021**, 552, 120489	3.9	10
50	The durability of a hydroxyapatite paste used in decreasing the permeability of hypersensitive dentin. *Journal of Dentistry*, **2016**, 51, 1-7	4.8	9
49	Shielding of beta and bremsstrahlung radiation with transparent BiO-BO-TeO glasses in therapeutic nuclear medicine. *Journal of Radiological Protection*, **2018**, 38, N44-N51	1.2	8
48	Optimization of the Electrochemical Performance of a Composite Polymer Electrolyte Based on PVA-KCO-SiO Composite. *Polymers*, **2020**, 13,	4.5	8
47	On the computational and numerical solutions of the transmission of nerve impulses of an excitable system (the neuron system). *Journal of Intelligent and Fuzzy Systems*, **2020**, 38, 2603-2610	1.6	8
46	Understanding the role of Bi2O3 in the P2O5□aONa2OK2O glass system in terms of physical, structural and radiation shielding properties. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 11649-11665	2.1	8
45	Ytterbium-Doped ZnO Flowers Based Phenyl Hydrazine Chemical Sensor. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 4199-4204	1.3	7
44	A comprehensive investigation on the role of PbO in the structural and radiation shielding attribute of P2O5□aONa2OK2OPbO glass system. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 12371-12382	2.1	7
43	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. *Ecotoxicology and Environmental Safety*, **2021**, 208, 111484	7	7
42	Electrical properties of Ga-doped ZnO nanowires/Si heterojunction diode. *Materials Express*, **2020**, 10, 794-801	1.3	6
41	Calculating the ambient dose equivalent of fast neutrons using elemental composition of human body. *Applied Mathematics and Computation*, **2016**, 274, 604-610	2.7	6
40	Highly Sensitive Hydroquinone Chemical Sensor Based on Cd0.5Mg0.4Ca0.1Fe2O4 Nanoparticles. *Science of Advanced Materials*, **2017**, 9, 2196-2201	2.3	6
39	Investigation of Acetone Vapour Sensing Properties of a Ternary Composite of Doped Polyaniline, Reduced Graphene Oxide and Chitosan Using Surface Plasmon Resonance Biosensor. *Polymers*, **2020**, 12,	4.5	6
38	Highly Sensitive Picric Acid Chemical Sensor Based on Samarium (Sm) Doped ZnO Nanorods. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 3637-3642	1.3	5
37	The impact of TeO2 on the gamma attenuation features of oxyfluoro boro-tellurite glasses. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	5
36	Fabrication and Characterizations of Ethanol Sensor Based on CuO Nanoparticles. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 2892-2897	1.3	5
35	Synthesis and Dielectric Properties of Nanocrystalline Strontium Bismuth Niobate. *Journal of Nanoscience and Nanotechnology*, **2017**, 17, 594-600	1.3	5

34	Solution-phase synthesis of chromium-functionalized single-walled carbon nanotubes. *Materials Letters*, **2015**, 142, 312-316	3.3	5
33	Fabrication of Lead Free Borate Glasses Modified by Bismuth Oxide for Gamma Ray Protection Applications.. *Materials*, **2022**, 15,	3.5	5
32	Synthesis, optical and radiation shielding capacity of the Sm2O3 doped borate glasses. *Journal of Non-Crystalline Solids*, **2021**, 553, 120505	3.9	5
31	Mathematical Model on Gravitational Electro-Magneto-Thermoelasticity with Two Temperature and Initial Stress in the Context of Three Theories. *Mathematics*, **2020**, 8, 735	2.3	4
30	Molecular grafting based polymeric carbon nitride for wondrous artificial photosynthesis. *International Journal of Energy Research*,	4.5	4
29	Data Fitting to Study Ablated Hard Dental Tissues by Nanosecond Laser Irradiation. *PLoS ONE*, **2016** , 11, e0156093	3.7	4
28	Tailoring Dy3+/Tb3+-doped lead telluride borate glasses for gamma-ray shielding applications. *European Physical Journal Plus*, **2021**, 136, 1	3.1	4
27	Formation of Transition Metal Cluster Adducts on the Surface of Single-walled Carbon Nanotubes: HRTEM Studies. *Fullerenes Nanotubes and Carbon Nanostructures*, **2014**, 22, 47-53	1.8	3
26	Hydroquinone Sensor Based on Neodymium (Nd) Doped ZnO Hexagonal Nanorods. *Nanoscience and Nanotechnology Letters*, **2018**, 10, 351-357	0.8	3
25	Integrated photonic FFT for photonic tensor operations towards efficient and high-speed neural networks. *Nanophotonics*, **2020**, 9, 4097-4108	6.3	3
24	Thermal Analysis of a Metal-Organic Framework ZnxCo-ZIF-8 for Recent Applications. *Polymers*, **2021**, 13,	4.5	3
23	Acetone Vapor-Sensing Properties of Chitosan-Polyethylene Glycol Using Surface Plasmon Resonance Technique. *Polymers*, **2020**, 12,	4.5	3
22	Realistic Quantum Control of Energy Transfer in Photosynthetic Processes. *Energies*, **2016**, 9, 1063	3.1	3
21	Radiation interaction parameters of commercial building glasses at energies of interest for potential nuclear accidents. *Journal of the American Ceramic Society*, **2019**, 102, 4765-4772	3.8	2
20	Quantum correlations and quantum Fisher information of two qubits in the presence of the time-dependent coupling effect. *European Physical Journal Plus*, **2020**, 135, 1	3.1	2
19	Synthesis of ZnO thin films by 40 ps @ 532 nm laser pulses. *Applied Physics A: Materials Science and Processing*, **2011**, 104, 871-876	2.6	2
18	Low-Temperature Grown ZnO Nanoflakes for Dye Sensitized Solar Cell Application. *Nanoscience and Nanotechnology Letters*, **2016**, 8, 874-879	0.8	2
17	Laser Induced Forward Transfer (LIFT) of Materials using 40 ps Pulses-Experimental and Quantitative Modelisation Study. *Journal of Laser Micro Nanoengineering*, **2011**, 6, 151-157	1	2

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16	Fabrication of TeO2-doped strontium borate glasses possessing optimum physical, structural, optical and gamma ray shielding properties. *European Physical Journal Plus*, **2021**, 136, 1	3.1	2
15	Magnetic Nanoparticles: Synthesis, Characterization and Magnetic Properties of Cobalt Aluminum Ferrite. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 4733-41	1.3	2
14	Structural, optical, and gamma-ray shielding properties of a newly fabricated P2O5B2O3Bi2O3Li2OZrO2 glass system. *European Physical Journal Plus*, **2021**, 136, 1	3.1	2
13	Locality and classicality: role of entropic inequalities. *Quantum Information Processing*, **2015**, 14, 3115-3127	2.6	1
12	Gamma-ray attenuation competences and optical characterization of MgOMoO3TeO2BaO glasses. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	1
11	Genes alternations with exposure time of environmental factors. *Gene*, **2013**, 528, 256-60	3.8	1
10	Convolution model for COVID-19 rate predictions and health effort levels computation for Saudi Arabia, France, and Canada. *Scientific Reports*, **2021**, 11, 22664	4.9	1
9	Solution-processed sphere-like Cu2ZnSnS4 nanoparticles for solar cells: effect of oleylamine concentration on properties. *Applied Physics A: Materials Science and Processing*, **2020**, 126, 1	2.6	1
8	Optimization of SbS Nanocrystal Concentrations in PHT: PCBM Layers to Improve the Performance of Polymer Solar Cells. *Polymers*, **2021**, 13,	4.5	1
7	Energization of cold ions by electromagnetic ion cyclotron waves: Magnetospheric multiscale (MMS) observations. *Physics of Plasmas*, **2021**, 28, 072901	2.1	1
6	Synthesis, physical, optical properties, and gamma-ray absorbing competency or capability of PbOB2O3CaO glasses reinforced with Nd3+/Er3+ ions. *European Physical Journal Plus*, **2021**, 136, 1	3.1	1
5	Quantum Transfer Energy and Nonlocal Correlation in a Dimer with Time-Dependent Coupling Effect. *International Journal of Theoretical Physics*, **2017**, 56, 1417-1428	1.1	
4	Mobility controlled linear magnetoresistance with 3D anisotropy in a layered graphene pallet. *Journal Physics D: Applied Physics*, **2016**, 49, 425005	3	
3	Understanding the control of inclusion of SrO to the Li2O -K2O-B2O3-SrO glasses on the physical, structural, and gamma ray shielding performance. *Journal of the Australian Ceramic Society*,1	1.5	
2	Effect of Strontium Doping Into CaBi2Nb2O9 Aurivillius Oxide Nanoceramics: Structural and Electrical Properties. *Journal of Nanoelectronics and Optoelectronics*, **2020**, 15, 32-40	1.3	
1	Information quantifiers for trapped ion in a carrier excitation laser field. *Modern Physics Letters A*, **2020**, 35, 2050235	1.3	