

# L M Al-Harbi

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

535  
citations

623734

14  
h-index

713466

21  
g-index

40  
all docs

40  
docs citations

40  
times ranked

631  
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymeric Nanocomposites for Environmental and Industrial Applications. International Journal of Molecular Sciences, 2022, 23, 1023.	4.1	62
2	Anion induced azo-hydrazone tautomerism for the selective colorimetric sensing of fluoride ion. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 798-805.	3.9	41
3	Design, synthesis and characterization of indole based anion sensing receptors. New Journal of Chemistry, 2015, 39, 3936-3947.	2.8	38
4	<p>&lt;p>Synthesis, comparative docking, and pharmacological activity of naproxen amino acid derivatives as possible anti-inflammatory and analgesic agents</p>&lt;p>. Drug Design, Development and Therapy, 2019, Volume 13, 1773-1790.	4.3	30
5	Anisotropy in the mechanical properties of organic crystals: temperature dependence. RSC Advances, 2015, 5, 64156-64162.	3.6	27
6	Synthesis, molecular properties and comparative docking and QSAR of new 2-(7-hydroxy-2-oxo-2H-chromen-4-yl)acetic acid derivatives as possible anticancer agents. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 218, 248-262.	3.9	26
7	Temperature Dependence of Mechanical Properties in Molecular Crystals. Crystal Growth and Design, 2015, 15, 2474-2479.	3.0	22
8	Adsorption of Polyvinylpyrrolidone over the Silica Surface: As Affected by Pretreatment of Adsorbent and Molar Mass of Polymer Adsorbate. International Journal of Polymer Science, 2016, 2016, 1-9.	2.7	20
9	Extracellular bio-synthesis of silver nanoparticles. Arabian Journal of Chemistry, 2017, 10, 226-231.	4.9	18
10	Core/shell PA6 @ Fe <sub>3</sub> O <sub>4</sub> nanofibers: Magnetic and shielding behavior. Journal of Dispersion Science and Technology, 2020, 41, 1711-1719.	2.4	18
11	Inspired Preparation of Zinc Oxide Nanocatalyst and the Photocatalytic Activity in the Treatment of Methyl Orange Dye and Paraquat Herbicide. International Journal of Photoenergy, 2018, 2018, 1-7.	2.5	17
12	Functionalized iron oxide nanoparticles: synthesis through ultrasonic-assisted co-precipitation and performance as hyperthermic agents for biomedical applications. Heliyon, 2022, 8, e09654.	3.2	17
13	The Photocatalytic Activity of TiO <sub>2</sub> -Zeolite Composite for Degradation of Dye Using Synthetic UV and Jeddah Sunlight. Journal of Nanomaterials, 2015, 2015, 1-6.	2.7	16
14	Synthesis of a graphene oxide/ ZnFe <sub>2</sub> O <sub>4</sub> /polyaniline nanocomposite and its structural and electrochemical characterization for supercapacitor application. International Journal of Energy Research, 2022, 46, 2438-2445.	4.5	16
15	Synthesis of magnetite nanoparticles coated with polyvinyl alcohol for hyperthermia application. Journal of Thermal Analysis and Calorimetry, 2022, 147, 11921-11930.	3.6	16
16	Controlled Preparation of Thermally Stable Fe-Poly(dimethylsiloxane) Composite by Magnetic Induction Heating. Polymers, 2018, 10, 507.	4.5	14
17	On the contributions of different micromechanisms for enhancement in the strength of Ti-6Al-4V alloy upon B addition: A nanomechanical analysis. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 649, 123-127.	5.6	13
18	Computational studies of molecular charge transfer complexes of heterocyclic 4-methylepyridine-2-azomethine-p-benzene derivatives with picric acid and m-dinitrobenzene. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 120, 25-31.	3.9	12

#	ARTICLE	IF	CITATIONS
19	Anhydrates and/or hydrates in nitrate, sulphate and phosphate salts of 4-aminopyridine, (4-AP) and 3,4-diaminopyridine (3,4-DAP): the role of the water molecules in the hydrates. CrystEngComm, 2014, 16, 2205.	2.6	12
20	Naproxenylamino acid derivatives: Design, synthesis, docking, QSAR and anti-inflammatory and analgesic activity. Biomedicine and Pharmacotherapy, 2019, 116, 109024.	5.6	11
21	Impact of Charge Transfer Complex on the Dielectric Relaxation Processes in Poly(methyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.8	9
22	Growth of Zinc Oxide (ZnO) Nanorods and Their Optical Properties. Modern Applied Science, 2011, 5, .	0.6	8
23	Novel coumarin amino acid derivatives: Design, synthesis, docking, absorption, distribution, metabolism, elimination, toxicity (ADMET), quantitative structure-activity relationship (QSAR) and anticancer studies. Materials Express, 2020, 10, 1375-1394.	0.5	8
24	TiO <sub>2</sub> Nanoparticles with Tetra-pad Shape Prepared by an Economical and Safe Route at very Low Temperature. Modern Applied Science, 2011, 5, .	0.6	7
25	Synthesis, spectroscopic (UV-vis and GIAO NMR), crystallographic and theoretical studies of triazine heterocyclic derivatives. Journal of Molecular Structure, 2015, 1096, 29-37.	3.6	7
26	Impact of Block Length and Temperature over Self-Assembling Behavior of Block Copolymers. International Journal of Polymer Science, 2016, 2016, 1-7.	2.7	7
27	Copper(II) oxide nanocatalyst preparation and characterization: green chemistry route. Bulletin of the National Research Centre, 2018, 42, .	1.8	7
28	Characterization and thermal kinetic studies on charge-transfer complexes of 4,4'-bipyridine with benzoquinone derivatives. Journal of Analytical and Applied Pyrolysis, 2012, 94, 108-113.	5.5	5
29	Structural, diffuse reflectance spectroscopy and dielectric relaxation properties of zirconium (IV) dioxide. Journal of Materials Research and Technology, 2021, 12, 1194-1202.	5.8	5
30	Chemical Treatment, Characterization and Electrical Properties of Utilization Biowaste Hydroxyapatite Nanocrystalline. Oriental Journal of Chemistry, 2013, 29, 113-120.	0.3	4
31	Thermal Decomposition of Some Cardiovascular Drugs (Telmisartane, Cilazapril and Terazosin HCL). American Journal of Analytical Chemistry, 2013, 04, 337-342.	0.9	4
32	Non-Isothermal Degradation and Kinetics Studies of Some Quinaldine Azo Dye Complexes. American Journal of Analytical Chemistry, 2013, 04, 427-431.	0.9	4
33	Preparation, Characterization, and Electrochemical Performance of the Hematite/Oxidized Multi-Walled Carbon Nanotubes Nanocomposite. Molecules, 2022, 27, 2708.	3.8	3
34	Self-heating properties of iron oxide nanoparticles prepared at room temperature via ultrasonic-assisted co-precipitation process. Soft Materials, 0, , 1-10.	1.7	2
35	Structural and Spectroscopic Characteristics of NiII and CuII Complexes with Poly (Vinyl Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 2021, 11, 1244.	2.2	2
36	The Influence of Self-Heating Iron on the Thermal, Mechanical, and Swelling Properties of PDMS Composites for Organic Solvents Removal. Polymers, 2021, 13, 4231.	4.5	2

#	ARTICLE	IF	CITATIONS
37	Spectroscopic and Physicochemical Studies on 1,2,4-Triazine Derivative. <i>Coatings</i> , 2022, 12, 714.	2.6	2
38	New Surface Aspects towards Photocatalytic Activity of Doped Supported Titanium Dioxide. <i>International Journal of Photoenergy</i> , 2016, 2016, 1-9.	2.5	1
39	Experimental and theoretical investigation to improvement biodiesel production using green catalyst based on cellulose derivatives. <i>Materials Express</i> , 2021, 11, 142-151.	0.5	1
40	Direct Hydroxylation of Benzene Over Cu-Exchanged Hydroxy-Sodalite. <i>Egyptian Journal of Chemistry</i> , 2018, 61, 280-290.	0.2	1