

Mohammed S Alqahtani

List of Publications by Citations

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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.

47
papers

583
citations

12
h-index

23
g-index

52
ext. papers

928
ext. citations

4.1
avg, IF

4.56
L-index

#	Paper	IF	Citations
47	Synthesis of novel biodegradable methoxy poly(ethylene glycol)-zein micelles for effective delivery of curcumin. <i>Molecular Pharmaceutics</i> , 2012 , 9, 2778-86	5.6	97
46	Advances in Oral Drug Delivery. <i>Frontiers in Pharmacology</i> , 2021 , 12, 618411	5.6	69
45	Novel lignin nanoparticles for oral drug delivery. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 4461-4473	7.3	63
44	Targeting hub genes and pathways of innate immune response in COVID-19: A network biology perspective. <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 1-8	7.9	42
43	Alpha-Amylase and Alpha-Glucosidase Enzyme Inhibition and Antioxidant Potential of 3-Oxolupenal and Katonic Acid Isolated from. <i>Biomolecules</i> , 2019 , 10,	5.9	38
42	Food Protein Based Core-Shell Nanocarriers for Oral Drug Delivery: Effect of Shell Composition on in Vitro and in Vivo Functional Performance of Zein Nanocarriers. <i>Molecular Pharmaceutics</i> , 2017 , 14, 757-769	5.6	37
41	Influence of RF sputtering power on structural and optical properties of Nb2O5 thin films. <i>Optik</i> , 2018 , 168, 853-863	2.5	18
40	Wound-healing potential of curcumin loaded lignin nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , 2020 , 60, 102020	4.5	18
39	Bioadhesive Food Protein Nanoparticles as Pediatric Oral Drug Delivery System. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 18062-18073	9.5	17
38	WO3 nanowires for optoelectronic and gas sensing applications. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 119, 1261-1267	2.6	16
37	N-Hydroxybenzothioamide derivatives as green and efficient corrosion inhibitors for mild steel: Experimental, DFT and MC simulation approach. <i>Journal of Molecular Structure</i> , 2021 , 1241, 130648	3.4	16
36	Lignin nanoparticles as a promising vaccine adjuvant and delivery system for ovalbumin. <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 1314-1322	7.9	12
35	Magnetic properties of In2O3 containing Fe3O4 nanoparticles. <i>Physical Review B</i> , 2014 , 90,	3.3	12
34	SARS-CoV-2: Insight in genome structure, pathogenesis and viral receptor binding analysis - An updated review. <i>International Immunopharmacology</i> , 2021 , 95, 107493	5.8	12
33	Pollen Bee Aqueous Extract-Based Synthesis of Silver Nanoparticles and Evaluation of Their Anti-Cancer and Anti-Bacterial Activities. <i>Processes</i> , 2020 , 8, 524	2.9	10
32	Controlled synthesis, morphological, optical and electrical properties of copper-doped zinc oxysulfide nanostructures. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	9
31	Aminoglycosides as potential inhibitors of SARS-CoV-2 main protease: an in silico drug repurposing study on FDA-approved antiviral and anti-infection agents. <i>Journal of Infection and Public Health</i> , 2021 , 14, 611-619	7.4	9

30	A review on the use of additive manufacturing to produce lower limb orthoses. <i>Progress in Additive Manufacturing</i> , 2020 , 5, 85-94	5	8
29	Effect of oxidation time on structural, optical and electrical properties of mixed copper oxides nanocrystallites. <i>Optik</i> , 2018 , 173, 101-109	2.5	7
28	Development, Characterization Optimization, and Assessment of Curcumin-Loaded Bioactive Self-Nanoemulsifying Formulations and Their Inhibitory Effects on Human Breast Cancer MCF-7 Cells. <i>Pharmaceutics</i> , 2020 , 12,	6.4	6
27	Synthesis, optical, structural, and electrical properties of single-crystalline CdS nanobelts. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	5
26	Size-Dependent Phagocytic Uptake and Immunogenicity of Gliadin Nanoparticles. <i>Polymers</i> , 2020 , 12,	4.5	4
25	Identifying novel inhibitor of quorum sensing transcriptional regulator (SdiA) of through modelling, docking and molecular dynamics simulation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021 , 39, 3594-3604	3.6	4
24	Alanine rich peptide from <i>Populus trichocarpa</i> inhibit growth of <i>Staphylococcus aureus</i> via targetting its extracellular domain of Sensor Histidine Kinase YycGex protein. <i>Microbial Pathogenesis</i> , 2018 , 121, 115-122	3.8	4
23	Green Synthesized Silver Nanoparticles of <i>Myrtus communis</i> L (AgMC) Extract Inhibits Cancer Hallmarks via Targeting Aldose Reductase (AR) and Associated Signaling Network. <i>Processes</i> , 2019 , 7, 860	2.9	4
22	Screening of natural compounds for identification of novel inhibitors against β -lactamase CTX-M-152 reported among <i>Kluyvera georgiana</i> isolates: An in vitro and in silico study. <i>Microbial Pathogenesis</i> , 2021 , 150, 104688	3.8	4
21	Preparation, characterization, and in vitro-in silico biological activities of <i>Jatropha pelargonifolia</i> extract loaded chitosan nanoparticles. <i>International Journal of Pharmaceutics</i> , 2021 , 606, 120867	6.5	4
20	Effects of V doping on magnetic and optical properties of oxygen-deficient In ₂ O ₃ thin films. <i>Optik</i> , 2017 , 145, 377-386	2.5	3
19	Correction to Synthesis of Novel Biodegradable Methoxy Poly(ethylene glycol)Zinc Micelles for Effective Delivery of Curcumin <i>Molecular Pharmaceutics</i> , 2013 , 10, 428-428	5.6	3
18	Spectroscopic and cloud point studies of the interaction and thermodynamics of ciprofloxacin hydrochloride+surfactants mixture in different solvents: Effect of temperature and composition. <i>Korean Journal of Chemical Engineering</i> , 2021 , 38, 1487-1498	2.8	3
17	MnO nanoparticles: Synthesis, characterization and their antimicrobial and anticancer activity against A549 and MCF-7 cell lines. <i>Saudi Journal of Biological Sciences</i> , 2021 , 28, 1196-1202	4	3
16	Nanostructured Antibiotics and Their Emerging Medicinal Applications: An Overview of Nanoantibiotics. <i>Antibiotics</i> , 2022 , 11, 708	4.9	3
15	Investigation of the distribution of localised and extended states in amorphous MoO _x . <i>AIP Advances</i> , 2018 , 8, 055118	1.5	2
14	Ellipsometric evaluation and morphology of mixed zinc sulfide/zinc oxide and zinc oxide nanostructures synthesized at various temperatures. <i>Canadian Journal of Physics</i> , 2020 , 98, 689-694	1.1	2
13	β -cyclodextrin chitosan-based hydrogels with tunable pH-responsive properties for controlled release of acyclovir: design, characterization, safety, and pharmacokinetic evaluation. <i>Drug Delivery</i> , 2021 , 28, 1093-1108	7	2

12	Formulation and Evaluation of Mucilage-Based Nanoparticles for Effective Delivery of Ezetimibe. <i>International Journal of Nanomedicine</i> , 2021 , 16, 4579-4596	7.3	2
11	Smoking and P53 polymorphism association with chromosomal aberration in lung cancer. <i>Journal of King Saud University - Science</i> , 2021 , 33, 101533	3.6	2
10	Tuning the optical, electrical resistivity and structural properties of DC magnetron sputtered aluminum zinc oxide films by changing the oxygen flow rate. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	1
9	Understanding Biofilm Dynamics: In Vitro and In Vivo Models 2020 , 509-526		1
8	Nanocomposite synthesis of silver doped magnesium oxide incorporated in PVC matrix for photocatalytic applications. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	1
7	Screening & analysis of anionic peptides from by mass spectroscopy. <i>Saudi Journal of Biological Sciences</i> , 2019 , 26, 660-664	4	1
6	Iron Oxide Nanoparticles: Preparation, Characterization, and Assessment of Antimicrobial and Anticancer Activity. <i>Adsorption Science and Technology</i> , 2022 , 2022, 1-9	3.6	1
5	Molecular and docking studies of tetramethoxy hydroxyflavone compound from Artemisia absinthium against carcinogens found in cigarette smoke. <i>Open Chemistry</i> , 2021 , 19, 1148-1154	1.6	0
4	Crashworthiness optimization of a multicellular thin-walled tube with triangular cells. <i>Mechanics of Advanced Materials and Structures</i> , 1-17	1.8	
3	Modeling and Simulation of a Novel Functional Brace for Large Bone Defects. <i>Lecture Notes in Mechanical Engineering</i> , 2020 , 155-161	0.4	
2	Molecular & biochemical analysis of Pro12Ala variant of PPAR- α gene in type 2 diabetes mellitus. <i>Saudi Journal of Biological Sciences</i> , 2020 , 27, 2439-2443	4	
1	Optimization of a novel external fixator for orthopaedic applications. <i>MATEC Web of Conferences</i> , 2020 , 318, 01025	0.3	