

Mohammed S Alqahtani

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,439
citations

394286

19
h-index

345118

36
g-index

52
all docs

52
docs citations

52
times ranked

1592
citing authors

#	ARTICLE	IF	CITATIONS
1	Advances in Oral Drug Delivery. <i>Frontiers in Pharmacology</i> , 2021, 12, 618411.	1.6	305
2	Synthesis of Novel Biodegradable Methoxy Poly(ethylene glycol)â€“Zein Micelles for Effective Delivery of Curcumin. <i>Molecular Pharmaceutics</i> , 2012, 9, 2778-2786.	2.3	115
3	Novel lignin nanoparticles for oral drug delivery. <i>Journal of Materials Chemistry B</i> , 2019, 7, 4461-4473.	2.9	112
4	Alpha-Amylase and Alpha-Glucosidase Enzyme Inhibition and Antioxidant Potential of 3-Oxolupenal and Katonic Acid Isolated from <i>Nuxia oppositifolia</i> . <i>Biomolecules</i> , 2020, 10, 61.	1.8	110
5	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.	3.6	72
6	Nâ€“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.	1.8	60
7	Food Protein Based Coreâ€“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.	2.3	51
8	Wound-healing potential of curcumin loaded lignin nanoparticles. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 60, 102020.	1.4	47
9	Iron Oxide Nanoparticles: Preparation, Characterization, and Assessment of Antimicrobial and Anticancer Activity. <i>Adsorption Science and Technology</i> , 2022, 2022, .	1.5	40
10	Bioadhesive Food Protein Nanoparticles as Pediatric Oral Drug Delivery System. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 18062-18073.	4.0	31
11	Influence of RF sputtering power on structural and optical properties of Nb2O5 thin films. <i>Optik</i> , 2018, 168, 853-863.	1.4	30
12	Î²-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.	2.5	28
13	Nanostructured Antibiotics and Their Emerging Medicinal Applications: An Overview of Nanoantibiotics. <i>Antibiotics</i> , 2022, 11, 708.	1.5	28
14	SARS-CoV-2: Insight in genome structure, pathogenesis and viral receptor binding analysis â€“ An updated review. <i>International Immunopharmacology</i> , 2021, 95, 107493.	1.7	27
15	WO3 nanowires for optoelectronic and gas sensing applications. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 119, 1261-1267.	1.1	26
16	A review on the use of additive manufacturing to produce lower limb orthoses. <i>Progress in Additive Manufacturing</i> , 2020, 5, 85-94.	2.5	26
17	Lignin nanoparticles as a promising vaccine adjuvant and delivery system for ovalbumin. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1314-1322.	3.6	26
18	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.	1.3	25

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19	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.	1.9	25
20	Mn3O4 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.	1.8	24
21	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, 1107.	2.0	21
22	Size-Dependent Phagocytic Uptake and Immunogenicity of Gliadin Nanoparticles. <i>Polymers</i> , 2020, 12, 2576.	2.0	18
23	Identifying novel inhibitor of quorum sensing transcriptional regulator (SdiA) of <i>Klebsiella pneumoniae</i> through modelling, docking and molecular dynamics simulation. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 3594-3604.	2.0	18
24	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.	1.1	17
25	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.	2.6	17
26	pH Sensitive Pluronic Acid/Agarose-Hydrogels as Controlled Drug Delivery Carriers: Design, Characterization and Toxicity Evaluation. <i>Pharmaceutics</i> , 2022, 14, 1218.	2.0	17
27	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.	1.2	13
28	Magnetic properties of In2O3 containing Fe3O4 nanoparticles. <i>Physical Review B</i> , 2014, 90, .	1.1	12
29	Effect of oxidation time on structural, optical and electrical properties of mixed copper oxides nanocrystallites. <i>Optik</i> , 2018, 173, 101-109.	1.4	11
30	Effects of V doping on magnetic and optical properties of oxygen-deficient In2O3 thin films. <i>Optik</i> , 2017, 145, 377-386.	1.4	8
31	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.	1.3	8
32	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.	1.3	8
33	Preliminary Investigation of <i>Linum usitatissimum</i> Mucilage-Based Hydrogel as Possible Substitute to Synthetic Polymer-Based Hydrogels for Sustained Release Oral Drug Delivery. <i>Gels</i> , 2022, 8, 170.	2.1	8
34	Screening of natural compounds for identification of novel inhibitors against Î²-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.	1.3	7
35	Synthesis, optical, structural, and electrical properties of single-crystalline CdS nanobelts. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	6
36	Formulation and Evaluation of <i>Linum usitatissimum</i> Mucilage-Based Nanoparticles for Effective Delivery of Ezetimibe. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 4579-4596.	3.3	6

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37	Crashworthiness optimization of a multicellular thin-walled tube with triangular cells. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 7277-7293.	1.5	6
38	Nanocomposite synthesis of silver doped magnesium oxide incorporated in PVC matrix for photocatalytic applications. <i>Journal of Polymer Research</i> , 2021, 28, 1.	1.2	5
39	Investigation of the distribution of localised and extended states in amorphous MoO _x . <i>AIP Advances</i> , 2018, 8, .	0.6	4
40	Smoking and P53 polymorphism association with chromosomal aberration in lung cancer. <i>Journal of King Saud University - Science</i> , 2021, 33, 101533.	1.6	4
41	Correction to "Synthesis of Novel Biodegradable Methoxy Poly(ethylene glycol)-Zein Micelles for Effective Delivery of Curcumin". <i>Molecular Pharmaceutics</i> , 2013, 10, 428-428.	2.3	3
42	Optimization of a Patient-Specific External Fixation Device for Lower Limb Injuries. <i>Polymers</i> , 2021, 13, 2661.	2.0	3
43	Screening & analysis of anionic peptides from <i>Foeniculum vulgare</i> Mill by mass spectroscopy. <i>Saudi Journal of Biological Sciences</i> , 2019, 26, 660-664.	1.8	2
44	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.	0.4	2
45	Molecular & biochemical analysis of Pro12Ala variant of PPAR- γ 2 gene in type 2 diabetes mellitus. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 2439-2443.	1.8	2
46	Functionalized Microbial Consortia with Silver-Doped Hydroxyapatite (Ag@HAp) Nanostructures for Removal of RO84 from Industrial Effluent. <i>Crystals</i> , 2022, 12, 970.	1.0	2
47	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.	1.1	1
48	Understanding Biofilm Dynamics: In Vitro and In Vivo Models. , 2020, , 509-526.		1
49	Molecular and docking studies of tetramethoxy hydroxyflavone compound from <i>Artemisia absinthium</i> against carcinogens found in cigarette smoke. <i>Open Chemistry</i> , 2021, 19, 1148-1154.	1.0	1
50	Optimization of a novel external fixator for orthopaedic applications. <i>MATEC Web of Conferences</i> , 2020, 318, 01025.	0.1	0
51	Copper(ii) complexes supported by modified azo-based ligands: Nucleic acid binding and molecular docking studies. <i>Open Chemistry</i> , 2022, 20, 505-516.	1.0	0