

Mohammad Y Alshahrani

List of Publications by Year in descending order

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67
papers

775
citations

567144

15
h-index

677027

22
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68
all docs

68
docs citations

68
times ranked

625
citing authors

#	ARTICLE	IF	CITATIONS
1	Flavonoids a Bioactive Compound from Medicinal Plants and Its Therapeutic Applications. BioMed Research International, 2022, 2022, 1-9.	0.9	66
2	A dynamical study of SARS-COV-2: A study of third wave. Results in Physics, 2021, 29, 104705.	2.0	52
3	Drug Delivery Challenges and Current Progress in Nanocarrier-Based Ocular Therapeutic System. Gels, 2022, 8, 82.	2.1	41
4	A new Hepatitis B model in light of asymptomatic carriers and vaccination study through Atangana's Baleanu derivative. Results in Physics, 2021, 29, 104603.	2.0	37
5	Current trends and future perspectives of nanomedicine for the management of colon cancer. European Journal of Pharmacology, 2021, 910, 174464.	1.7	32
6	Literature Review of Omicron: A Grim Reality Amidst COVID-19. Microorganisms, 2022, 10, 451.	1.6	32
7	Evaluation of Post-Vaccination Symptoms of Two Common COVID-19 Vaccines Used in Abha, Aseer Region, Kingdom of Saudi Arabia. Patient Preference and Adherence, 2021, Volume 15, 1963-1970.	0.8	29
8	Evaluation of antibacterial properties of <i>Matricaria aurea</i> on clinical isolates of periodontitis patients with special reference to red complex bacteria. Saudi Pharmaceutical Journal, 2020, 28, 1203-1209.	1.2	21
9	Cystic Fibrosis: Overview of the Current Development Trends and Innovative Therapeutic Strategies. Pharmaceutics, 2020, 12, 616.	2.0	20
10	Design, synthesis and molecular docking studies of imidazole and benzimidazole linked ethionamide derivatives as inhibitors of InhA and antituberculosis agents. Bioorganic and Medicinal Chemistry Letters, 2022, 60, 128604.	1.0	20
11	Improvement of physicochemical properties of ternary nanocomposites based on hydroxyapatite/CuO/graphene oxide for biomedical usages. Ceramics International, 2022, 48, 3993-4004.	2.3	19
12	A Comparative Antibacterial, Antioxidant, and Antineoplastic Potential of <i>Rauwolfia serpentina</i> (L.) Leaf Extract with Its Biologically Synthesized Gold Nanoparticles (R-AuNPs). Plants, 2021, 10, 2278.	1.6	18
13	Investigation of Antidepressant Properties of Yohimbine by Employing Structure-Based Computational Assessments. Current Issues in Molecular Biology, 2021, 43, 1805-1827.	1.0	18
14	Lipopolysaccharide induces acute lung injury and alveolar haemorrhage in association with the cytokine storm, coagulopathy and AT1R/JAK/STAT augmentation in a rat model that mimics moderate and severe COVID-19 pathology. Clinical and Experimental Pharmacology and Physiology, 2022, 49, 483-491.	0.9	18
15	<i>Swertia chirayita</i> suppresses the growth of non-small cell lung cancer A549 cells and concomitantly induces apoptosis via downregulation of JAK1/STAT3 pathway. Saudi Journal of Biological Sciences, 2021, 28, 6279-6288.	1.8	17
16	A mathematical model for SARS-CoV-2 in variable-order fractional derivative. European Physical Journal: Special Topics, 2022, 231, 1905-1914.	1.2	17
17	Waste biomass based potential bioadsorbent for lead removal from simulated wastewater. Bioresource Technology, 2022, 349, 126843.	4.8	16
18	Synergistic efficacies of thymoquinone and standard antibiotics against multi-drug resistant isolates. Journal of King Abdulaziz University, Islamic Economics, 2021, 42, 196-204.	0.5	14

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19	Mathematical modeling and stability analysis of the COVID-19 with quarantine and isolation. Results in Physics, 2022, 34, 105284.	2.0	14
20	Zinc oxide nanoparticle: An effective antibacterial agent against pathogenic bacterial isolates. Journal of King Saud University - Science, 2022, 34, 102110.	1.6	14
21	Implementation of a Blockchain System Using Improved Elliptic Curve Cryptography Algorithm for the Performance Assessment of the Students in the E-Learning Platform. Applied Sciences (Switzerland), 2022, 12, 74.	1.3	13
22	Quercetin alleviated multi-walled carbon nanotubes-induced neurotoxicity in mice through inhibition of oxidation, inflammation, and pyroptosis. Biomedicine and Pharmacotherapy, 2022, 151, 113160.	2.5	13
23	Computational Screening of Natural Compounds for Identification of Potential Anti-Cancer Agents Targeting MCM7 Protein. Molecules, 2021, 26, 5878.	1.7	12
24	Molecular Survey of Vector-Borne Pathogens of Dogs and Cats in Two Regions of Saudi Arabia. Pathogens, 2021, 10, 25.	1.2	12
25	Utilization of nano-biosorbents based on pine needles and banana peel for methylene blue removal: equilibrium, kinetics, thermodynamic study, and application. Biomass Conversion and Biorefinery, 2022, 12, 1787-1802.	2.9	12
26	Synergistic Effect of Plant Extracts on Endodontic Pathogens Isolated from Teeth with Root Canal Treatment Failure: An In Vitro Study. Antibiotics, 2021, 10, 552.	1.5	11
27	New insights on mucormycosis and its association with the COVID-19 pandemic. Future Science OA, 2022, 8, FSO772.	0.9	11
28	Optimizing the mechanical and surface topography of hydroxyapatite/Gd ₂ O ₃ /graphene oxide nanocomposites for medical applications. Journal of Saudi Chemical Society, 2022, 26, 101463.	2.4	10
29	Avocado Seeds Relieve Oxidative Stress-Dependent Nephrotoxicity but Enhance Immunosuppression Induced by Cyclosporine in Rats. Antioxidants, 2021, 10, 1194.	2.2	9
30	OXA-48 Carbapenemase-Encoding Transferable Plasmids of Klebsiella pneumoniae Recovered from Egyptian Patients Suffering from Complicated Urinary Tract Infections. Biology, 2021, 10, 889.	1.3	9
31	Discovery of novel rigid analogs of 2-naphthol with potent anticancer activity through multi-target topoisomerase I & II and tyrosine kinase receptor EGFR & VEGFR-2 inhibition mechanism. Chemico-Biological Interactions, 2022, 355, 109838.	1.7	9
32	Evaluation of the BioFire FilmArray Pneumonia Panel Plus to the Conventional Diagnostic Methods in Determining the Microbiological Etiology of Hospital-Acquired Pneumonia. Biology, 2022, 11, 377.	1.3	9
33	Pneumocystis Jirovecii detection and comparison of multiple diagnostic methods with quantitative real-time PCR in patients with respiratory symptoms. Saudi Journal of Biological Sciences, 2020, 27, 1423-1427.	1.8	8
34	A report on tick burden and molecular detection of tick-borne pathogens in cattle blood samples collected from four regions in Saudi Arabia. Ticks and Tick-borne Diseases, 2021, 12, 101652.	1.1	8
35	A mathematical model for the coinfection of Buruli ulcer and Cholera. Results in Physics, 2021, 29, 104746.	2.0	7
36	In Vitro Evaluation of Antioxidant, Anticancer, and Anti-Inflammatory Activities of Ethanolic Leaf Extract of Adenium obesum. Frontiers in Pharmacology, 0, 13, .	1.6	7

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37	Increased mRNA expression of key cytokines among suspected cases of <i>Pneumocystis jirovecii</i> infection. <i>BMC Infectious Diseases</i> , 2021, 21, 28.	1.3	6
38	Identification of New <i>Mycobacterium tuberculosis</i> Proteasome Inhibitors Using a Knowledge-Based Computational Screening Approach. <i>Molecules</i> , 2021, 26, 2326.	1.7	6
39	D-type lectin receptors MR and DC-SIGN are involved in recognition of hemocyanins, shaping their immunostimulatory effects on human dendritic cells. <i>European Journal of Immunology</i> , 2021, 51, 1715-1731.	1.6	6
40	Mathematical modeling and stability analysis of Buruli ulcer in Possum mammals. <i>Results in Physics</i> , 2021, 27, 104471.	2.0	6
41	Pea peels as a value-added food ingredient for snack crackers and dry soup. <i>Scientific Reports</i> , 2021, 11, 22747.	1.6	6
42	Bioadsorbent and adsorbent-based heavy metal removal technologies from wastewater: new insight. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 13335-13356.	2.9	6
43	Quercetin-Ameliorated, Multi-Walled Carbon Nanotubes-Induced Immunotoxic, Inflammatory, and Oxidative Effects in Mice. <i>Molecules</i> , 2022, 27, 2117.	1.7	6
44	<i>Cassia auriculata</i> leaf extract ameliorates diabetic nephropathy by attenuating autophagic necroptosis via RIP1/RIP3-dependent p38MAPK signaling. <i>Journal of Food Biochemistry</i> , 2021, 45, e13810.	1.2	5
45	Assessment of Knowledge, Attitude, and Practice Concerning COVID-19 Among Undergraduate Students of Faculty of Applied Medical Sciences at King Khalid University, Abha, Kingdom of Saudi Arabia: A Cross-Sectional Surveyed Study. <i>Advances in Medical Education and Practice</i> , 2021, Volume 12, 789-797.	0.7	5
46	High-throughput virtual screening and preclinical analysis identifies CB-1, a novel potent dual B-Raf/c-Raf inhibitor, effective against wild and mutant variants of B-Raf expression in colorectal carcinoma. <i>Journal of Computer-Aided Molecular Design</i> , 2021, 35, 1165-1176.	1.3	5
47	Virtual screening of potential inhibitor against breast cancer-causing estrogen receptor alpha (ER α): molecular docking and dynamic simulations. <i>Molecular Simulation</i> , 2022, 48, 1163-1174.	0.9	5
48	The Crystal Structure of 2-Amino-4-(2,3-Dichlorophenyl)-6-Methoxy-4H-Benzo[h]chromene-3-Carbonitrile: Antitumor and Tyrosine Kinase Receptor Inhibition Mechanism Studies. <i>Crystals</i> , 2022, 12, 737.	1.0	5
49	Phytochemical Screening, Nutritional Value, Anti-Diabetic, Anti-Cancer, and Anti-Bacterial Assessment of Aqueous Extract from <i>Abelmoschus esculentus</i> Pods. <i>Processes</i> , 2022, 10, 183.	1.3	4
50	TiO ₂ nanoparticles functionalized with marigold for antioxidant role to enhance the skin protection. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 16025-16035.	2.9	4
51	A Novel Computational Model for Detecting the Severity of Inflammation in Confirmed COVID-19 Patients Using Chest X-ray Images. <i>Diagnostics</i> , 2021, 11, 855.	1.3	3
52	FNF-12, a novel benzylidene-chromanone derivative, attenuates inflammatory response in in vitro and in vivo asthma models mediated by M2-related Th2 cytokines via MAPK and NF- κ B signaling. <i>Pharmacological Reports</i> , 2021, , 1.	1.5	3
53	Antiproliferative and apoptotic potential of Glycyrrhizin against HPV16+ Caski cervical cancer cells: A plausible association with downregulation of HPV E6 and E7 oncogenes and Notch signaling pathway. <i>Saudi Journal of Biological Sciences</i> , 2022, , .	1.8	3
54	Biofuel production using fast pyrolysis of various plant waste biomasses in fixed bed and screw reactors. <i>International Journal of Energy Research</i> , 0, , .	2.2	3

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55	Computational and in vitro characterization of ICYâ€: A potential candidate promoting mitochondrial apoptosis via the câ€MET andÂSTAT3 pathways. Journal of Cellular Physiology, 2021, 236, 146-156.	2.0	2
56	Antibody profile in symptomatic/asymptomatic severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infected Saudi persons. Saudi Journal of Biological Sciences, 2021, 28, 4677-4682.	1.8	2
57	Assessment of IL-12, mRNA expression, vitamin-D level, and their correlation among the Mycobacterium tuberculosis cases. Saudi Journal of Biological Sciences, 2021, 29, 992-997.	1.8	2
58	Hydrogen iron oxide from an Acinetobacter strain exhibiting intrinsic peroxidase-like activity and its catalytic mechanism and applications. Biomass Conversion and Biorefinery, 2024, 14, 3453-3462.	2.9	2
59	CB-RAF600E-1 exerts efficacy in vemurafenib-resistant and non-resistant-melanoma cells via dual inhibition of RAS/RAF/MEK/ERK and PI3K/Akt signaling pathways. Saudi Journal of Biological Sciences, 2022, 29, 103285.	1.8	2
60	<i>In Vitro</i> Bioactivity Study on Zn ₂ -HAp Nanoparticles. Journal of Nanoelectronics and Optoelectronics, 2020, 15, 523-531.	0.1	1
61	The SMAC mimetic AT-101 exhibits anti-tumor and anti-metastasis activity in lung adenocarcinoma cells by the IAPs/ caspase-dependent apoptosis and p65-NF- κ B cross-talk. Iranian Journal of Basic Medical Sciences, 2021, 24, 969-977.	1.0	1
62	Identification of 3-((1-(Benzyl(2-hydroxy-2-phenylethyl)amino)-1-oxo-3-phenylpropan-2-yl)carbamoyl)pyrazine-2-carboxylic Acid as a Potential Inhibitor of Non-Nucleosidase Reverse Transcriptase Inhibitors through InSilico Ligand- and Structure-Based Approaches. Molecules, 2021, 26, 5262.	1.7	0
63	A Novel Multicolour-thresholding Auto-detection Method to Detect the Location and Severity of Inflammation in Confirmed SARS-COV-2 Cases Using Chest X-ray Images. Current Medical Imaging, 2021, 17, .	0.4	0
64	Comparative assessment of the cell-surface antigens and gene expression profiles of the gingival tissue biomarkers in subjects with fixed functional and removable functional orthodontic appliances. Saudi Journal of Biological Sciences, 2022, 29, 1789-1795.	1.8	0
65	Hydroxyapatite Nanostructure Doped by Lithium Iodide with Their Biological Activity. Journal of Nanoelectronics and Optoelectronics, 2020, 15, 613-619.	0.1	0
66	Glucose and oleic acid mediate cellular alterations in GLPâ€1â€-induced insulinâ€positive differentiating UCBMSCs. Journal of Food Biochemistry, 2022, , e14087.	1.2	0
67	Improved production of thermo-alkali-tolerant fungal cellulolytic cocktail following Co-fermentation of sugarcane bagasse and secondary sewage sludge. Biomass Conversion and Biorefinery, 2024, 14, 6849-6854.	2.9	0