

Mohammad Y Alshahrani

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

775
citations

567144

15
h-index

677027

22
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68
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68
docs citations

68
times ranked

625
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen iron oxide from an Acinetobacter strain exhibiting intrinsic peroxidase-like activity and its catalytic mechanism and applications. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 3453-3462.	2.9	2
2	Improved production of thermo-alkali-tolerant fungal cellulolytic cocktail following Co-fermentation of sugarcane bagasse and secondary sewage sludge. <i>Biomass Conversion and Biorefinery</i> , 2024, 14, 6849-6854.	2.9	0
3	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
4	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
5	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. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 1789-1795.	1.8	0
6	Improvement of physicochemical properties of ternary nanocomposites based on hydroxyapatite/CuO/graphene oxide for biomedical usages. <i>Ceramics International</i> , 2022, 48, 3993-4004.	2.3	19
7	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. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2022, 49, 483-491.	0.9	18
8	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
9	Drug Delivery Challenges and Current Progress in Nanocarrier-Based Ocular Therapeutic System. <i>Gels</i> , 2022, 8, 82.	2.1	41
10	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
11	A mathematical model for SARS-CoV-2 in variable-order fractional derivative. <i>European Physical Journal: Special Topics</i> , 2022, 231, 1905-1914.	1.2	17
12	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. <i>Chemico-Biological Interactions</i> , 2022, 355, 109838.	1.7	9
13	New insights on mucormycosis and its association with the COVID-19 pandemic. <i>Future Science OA</i> , 2022, 8, FSO772.	0.9	11
14	Design, synthesis and molecular docking studies of imidazole and benzimidazole linked ethionamide derivatives as inhibitors of InhA and antituberculosis agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2022, 60, 128604.	1.0	20
15	Utilization of nano-biosorbents based on pine needles and banana peel for methylene blue removal: equilibrium, kinetics, thermodynamic study, and application. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 1787-1802.	2.9	12
16	Waste biomass based potential bioadsorbent for lead removal from simulated wastewater. <i>Bioresource Technology</i> , 2022, 349, 126843.	4.8	16
17	Mathematical modeling and stability analysis of the COVID-19 with quarantine and isolation. <i>Results in Physics</i> , 2022, 34, 105284.	2.0	14
18	Implementation of a Blockchain System Using Improved Elliptic Curve Cryptography Algorithm for the Performance Assessment of the Students in the E-Learning Platform. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 74.	1.3	13

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19	Literature Review of Omicron: A Grim Reality Amidst COVID-19. <i>Microorganisms</i> , 2022, 10, 451.	1.6	32
20	Evaluation of the BioFire FilmArray Pneumonia Panel Plus to the Conventional Diagnostic Methods in Determining the Microbiological Etiology of Hospital-Acquired Pneumonia. <i>Biology</i> , 2022, 11, 377.	1.3	9
21	Glucose and oleic acid mediate cellular alterations in GLP-1 induced insulin-positive differentiating UCBMSCs. <i>Journal of Food Biochemistry</i> , 2022, , e14087.	1.2	0
22	Quercetin-Ameliorated, Multi-Walled Carbon Nanotubes-Induced Immunotoxic, Inflammatory, and Oxidative Effects in Mice. <i>Molecules</i> , 2022, 27, 2117.	1.7	6
23	Optimizing the mechanical and surface topography of hydroxyapatite/Gd ₂ O ₃ /graphene oxide nanocomposites for medical applications. <i>Journal of Saudi Chemical Society</i> , 2022, 26, 101463.	2.4	10
24	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. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 103285.	1.8	2
25	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
26	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
27	Quercetin alleviated multi-walled carbon nanotubes-induced neurotoxicity in mice through inhibition of oxidation, inflammation, and pyroptosis. <i>Biomedicine and Pharmacotherapy</i> , 2022, 151, 113160.	2.5	13
28	Zinc oxide nanoparticle: An effective antibacterial agent against pathogenic bacterial isolates. <i>Journal of King Saud University - Science</i> , 2022, 34, 102110.	1.6	14
29	Flavonoids a Bioactive Compound from Medicinal Plants and Its Therapeutic Applications. <i>BioMed Research International</i> , 2022, 2022, 1-9.	0.9	66
30	Computational and in vitro characterization of ICY-5: A potential candidate promoting mitochondrial apoptosis via the c-MET and STAT3 pathways. <i>Journal of Cellular Physiology</i> , 2021, 236, 146-156.	2.0	2
31	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
32	Synergistic efficacies of thymoquinone and standard antibiotics against multi-drug resistant isolates. <i>Journal of King Abdulaziz University, Islamic Economics</i> , 2021, 42, 196-204.	0.5	14
33	Identification of New Mycobacterium tuberculosis Proteasome Inhibitors Using a Knowledge-Based Computational Screening Approach. <i>Molecules</i> , 2021, 26, 2326.	1.7	6
34	Antibody profile in symptomatic/asymptomatic severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) infected Saudi persons. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 4677-4682.	1.8	2
35	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
36	Synergistic Effect of Plant Extracts on Endodontic Pathogens Isolated from Teeth with Root Canal Treatment Failure: An In Vitro Study. <i>Antibiotics</i> , 2021, 10, 552.	1.5	11

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37	A report on tick burden and molecular detection of tick-borne pathogens in cattle blood samples collected from four regions in Saudi Arabia. <i>Ticks and Tick-borne Diseases</i> , 2021, 12, 101652.	1.1	8
38	CD-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
39	<i>Cassia auriculata</i> leaf extract ameliorates diabetic nephropathy by attenuating autophagic necroptosis via RIP1/RIP3/p38MAPK signaling. <i>Journal of Food Biochemistry</i> , 2021, 45, e13810.	1.2	5
40	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
41	Avocado Seeds Relieve Oxidative Stress-Dependent Nephrotoxicity but Enhance Immunosuppression Induced by Cyclosporine in Rats. <i>Antioxidants</i> , 2021, 10, 1194.	2.2	9
42	<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. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 6279-6288.	1.8	17
43	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. <i>Molecules</i> , 2021, 26, 5262.	1.7	0
44	Mathematical modeling and stability analysis of Buruli ulcer in Possum mammals. <i>Results in Physics</i> , 2021, 27, 104471.	2.0	6
45	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
46	OXA-48 Carbapenemase-Encoding Transferable Plasmids of <i>Klebsiella pneumoniae</i> Recovered from Egyptian Patients Suffering from Complicated Urinary Tract Infections. <i>Biology</i> , 2021, 10, 889.	1.3	9
47	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. <i>Current Medical Imaging</i> , 2021, 17, .	0.4	0
48	Computational Screening of Natural Compounds for Identification of Potential Anti-Cancer Agents Targeting MCM7 Protein. <i>Molecules</i> , 2021, 26, 5878.	1.7	12
49	Evaluation of Post-Vaccination Symptoms of Two Common COVID-19 Vaccines Used in Abha, Aseer Region, Kingdom of Saudi Arabia. <i>Patient Preference and Adherence</i> , 2021, Volume 15, 1963-1970.	0.8	29
50	A mathematical model for the coinfection of Buruli ulcer and Cholera. <i>Results in Physics</i> , 2021, 29, 104746.	2.0	7
51	A new Hepatitis B model in light of asymptomatic carriers and vaccination study through Atangana-Baleanu derivative. <i>Results in Physics</i> , 2021, 29, 104603.	2.0	37
52	A dynamical study of SARS-COV-2: A study of third wave. <i>Results in Physics</i> , 2021, 29, 104705.	2.0	52
53	Current trends and future perspectives of nanomedicine for the management of colon cancer. <i>European Journal of Pharmacology</i> , 2021, 910, 174464.	1.7	32
54	Molecular Survey of Vector-Borne Pathogens of Dogs and Cats in Two Regions of Saudi Arabia. <i>Pathogens</i> , 2021, 10, 25.	1.2	12

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55	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
56	A Comparative Antibacterial, Antioxidant, and Antineoplastic Potential of Rauwolfia serpentina (L.) Leaf Extract with Its Biologically Synthesized Gold Nanoparticles (R-AuNPs). Plants, 2021, 10, 2278.	1.6	18
57	Investigation of Antidepressant Properties of Yohimbine by Employing Structure-Based Computational Assessments. Current Issues in Molecular Biology, 2021, 43, 1805-1827.	1.0	18
58	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. Journal of Computer-Aided Molecular Design, 2021, 35, 1165-1176.	1.3	5
59	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
60	Pea peels as a value-added food ingredient for snack crackers and dry soup. Scientific Reports, 2021, 11, 22747.	1.6	6
61	Evaluation of antibacterial properties of Matricaria aurea on clinical isolates of periodontitis patients with special reference to red complex bacteria. Saudi Pharmaceutical Journal, 2020, 28, 1203-1209.	1.2	21
62	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
63	Cystic Fibrosis: Overview of the Current Development Trends and Innovative Therapeutic Strategies. Pharmaceutics, 2020, 12, 616.	2.0	20
64	<i>In Vitro</i> Bioactivity Study on Zn ₂ -HAp Nanoparticles. Journal of Nanoelectronics and Optoelectronics, 2020, 15, 523-531.	0.1	1
65	Hydroxyapatite Nanostructure Doped by Lithium Iodide with Their Biological Activity. Journal of Nanoelectronics and Optoelectronics, 2020, 15, 613-619.	0.1	0
66	Biofuel production using fast pyrolysis of various plant waste biomasses in fixed bed and screw reactors. International Journal of Energy Research, 0, , .	2.2	3
67	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