

# Mohammad N Alomary

## List of Publications by Year in descending order

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47  
papers

1,047  
citations

304368

22  
h-index

454577

30  
g-index

47  
all docs

47  
docs citations

47  
times ranked

910  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cinnamomum verum Bark Extract Mediated Green Synthesis of ZnO Nanoparticles and Their Antibacterial Potentiality. <i>Biomolecules</i> , 2020, 10, 336.	1.8	76
2	Biogenic Gold Nanoparticles as Potent Antibacterial and Antibiofilm Nano-Antibiotics against <i>Pseudomonas aeruginosa</i> . <i>Antibiotics</i> , 2020, 9, 100.	1.5	56
3	Plant-Mediated Zinc Oxide Nanoparticles: Advances in the New Millennium towards Understanding Their Therapeutic Role in Biomedical Applications. <i>Pharmaceutics</i> , 2021, 13, 1662.	2.0	53
4	Effect of Biosynthesized ZnO Nanoparticles on Multi-Drug Resistant <i>Pseudomonas Aeruginosa</i> . <i>Antibiotics</i> , 2020, 9, 260.	1.5	52
5	Hydrogen Sulfide Biology and Its Role in Cancer. <i>Molecules</i> , 2022, 27, 3389.	1.7	47
6	Biofabrication of zinc oxide nanoparticles from <i>Melia azedarach</i> and its potential in controlling soybean seed-borne phytopathogenic fungi. <i>Saudi Journal of Biological Sciences</i> , 2020, 27, 1923-1930.	1.8	43
7	Antibacterial and Antifungal Activity of Novel Synthesized Neodymium-Substituted Cobalt Ferrite Nanoparticles for Biomedical Application. <i>Processes</i> , 2019, 7, 714.	1.3	40
8	Proanthocyaninâ€Capped Biogenic TiO <sub>2</sub> Nanoparticles with Enhanced Penetration, Antibacterial and ROS Mediated Inhibition of Bacteria Proliferation and Biofilm Formation: A Comparative Approach. <i>Chemistry - A European Journal</i> , 2021, 27, 5817-5829.	1.7	40
9	Current Nanoparticle Approaches in Nose to Brain Drug Delivery and Anticancer Therapy - A Review. <i>Current Pharmaceutical Design</i> , 2020, 26, 1128-1137.	0.9	40
10	Counteraction of Biofilm Formation and Antimicrobial Potential of Terminalia catappa Functionalized Silver Nanoparticles against <i>Candida albicans</i> and Multidrug-Resistant Gram-Negative and Gram-Positive Bacteria. <i>Antibiotics</i> , 2021, 10, 725.	1.5	38
11	Bioprospecting of Rhizosphere-Resident Fungi: Their Role and Importance in Sustainable Agriculture. <i>Journal of Fungi (Basel, Switzerland)</i> , 2021, 7, 314.	1.5	35
12	Nanotechnology, in silico and endocrine-based strategy for delivering paclitaxel and miRNA: Prospects for the therapeutic management of breast cancer. <i>Seminars in Cancer Biology</i> , 2021, 69, 109-128.	4.3	32
13	The tumour suppressor OPCML promotes AXL inactivation by the phosphatase PTPRG in ovarian cancer. <i>EMBO Reports</i> , 2018, 19, .	2.0	30
14	Chitosan Coated Microparticles Enhance Simvastatin Colon Targeting and Pro-Apoptotic Activity. <i>Marine Drugs</i> , 2020, 18, 226.	2.2	29
15	&lt;p&gt;Optimized Nanostructured Lipid Carriers Integrated into In Situ Nasal Gel for Enhancing Brain Delivery of Flibanserin&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 5253-5264.	3.3	28
16	Lipid-based nano delivery of Tat-peptide conjugated drug or vaccineâ€Cpromising therapeutic strategy for SARS-CoV-2 treatment. <i>Expert Opinion on Drug Delivery</i> , 2020, 17, 1671-1674.	2.4	28
17	Solâ€Cgel Synthesis of Dy-Substituted Ni <sub>0.4</sub> Cu <sub>0.2</sub> Zn <sub>0.4</sub> (Fe <sub>2-x</sub> Dyx)O <sub>4</sub> Nano Spinel Ferrites and Evaluation of Their Antibacterial, Antifungal, Antibiofilm and Anticancer Potentialities for Biomedical Application. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 5633-5650.	3.3	28
18	Biofabricated Fatty Acids-Capped Silver Nanoparticles as Potential Antibacterial, Antifungal, Antibiofilm and Anticancer Agents. <i>Pharmaceutics</i> , 2021, 14, 139.	1.7	27

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19	Butea monosperma seed extract mediated biosynthesis of ZnO NPs and their antibacterial, antibiofilm and anti-quorum sensing potentialities. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103044.	2.3	27
20	Genotoxic and Cytotoxic Properties of Zinc Oxide Nanoparticles Phyto-Fabricated from the Obscure Morning Glory Plant <i>Ipomoea obscura</i> (L.) Ker Gawl. <i>Molecules</i> , 2021, 26, 891.	1.7	26
21	Recent Nano-based Therapeutic Intervention of Bioactive Sesquiterpenes: Prospects in Cancer Therapeutics. <i>Current Pharmaceutical Design</i> , 2020, 26, 1138-1144.	0.9	25
22	Oncolytic Herpes Simplex Virus-Based Therapies for Cancer. <i>Cells</i> , 2021, 10, 1541.	1.8	24
23	Biosynthesized ZnO-NPs from <i>Morus indica</i> Attenuates Methylglyoxal-Induced Protein Glycation and RBC Damage: In-Vitro, In-Vivo and Molecular Docking Study. <i>Biomolecules</i> , 2019, 9, 882.	1.8	22
24	Tumoricidal and Bactericidal Properties of ZnONPs Synthesized Using <i>Cassia auriculata</i> Leaf Extract. <i>Biomolecules</i> , 2020, 10, 982.	1.8	21
25	Cystic Fibrosis: Overview of the Current Development Trends and Innovative Therapeutic Strategies. <i>Pharmaceutics</i> , 2020, 12, 616.	2.0	20
26	Sustainable Green Synthesis of Yttrium Oxide (Y <sub>2</sub> O <sub>3</sub> ) Nanoparticles Using <i>Lantana camara</i> Leaf Extracts: Physicochemical Characterization, Photocatalytic Degradation, Antibacterial, and Anticancer Potency. <i>Nanomaterials</i> , 2022, 12, 2393.	1.9	18
27	TAT-peptide conjugated repurposing drug against SARS-CoV-2 main protease (3CLpro): Potential therapeutic intervention to combat COVID-19. <i>Arabian Journal of Chemistry</i> , 2020, 13, 8069-8079.	2.3	14
28	In silico modeling and molecular docking insights of kaempferitrin for colon cancer-related molecular targets. <i>Journal of Saudi Chemical Society</i> , 2021, 25, 101319.	2.4	14
29	A review on Saudi Arabian wastewater treatment facilities and available disinfection methods: Implications to SARS-CoV-2 control. <i>Journal of King Saud University - Science</i> , 2021, 33, 101574.	1.6	14
30	Hybrid Feature Selection Framework for the Parkinson Imbalanced Dataset Prediction Problem. <i>Medicina (Lithuania)</i> , 2021, 57, 1217.	0.8	13
31	Eco-Friendly Synthesis of MnO <sub>2</sub> Nanorods Using <i>Gmelina arborea</i> Fruit Extract and Its Anticancer Potency Against MCF-7 Breast Cancer Cell Line. <i>International Journal of Nanomedicine</i> , 2022, Volume 17, 901-907.	3.3	13
32	Inactivating mutations and X-ray crystal structure of the tumor suppressor OPCML reveal cancer-associated functions. <i>Nature Communications</i> , 2019, 10, 3134.	5.8	9
33	Thymoquinone Potentiates the Effect of Phenytoin against Electroshock-Induced Convulsions in Rats by Reducing the Hyperactivation of m-TOR Pathway and Neuroinflammation: Evidence from In Vivo, In Vitro and Computational Studies. <i>Pharmaceutics</i> , 2021, 14, 1132.	1.7	9
34	Natural Products and Nutrients against Different Viral Diseases: Prospects in Prevention and Treatment of SARS-CoV-2. <i>Medicina (Lithuania)</i> , 2021, 57, 169.	0.8	8
35	Therapeutic development by repurposing drugs targeting SARS-CoV-2 spike protein interactions by simulation studies. <i>Saudi Journal of Biological Sciences</i> , 2021, 28, 4560-4568.	1.8	8
36	Optimized Ellagic Acid-Ca Pectinate Floating Beads for Gastroprotection against Indomethacin-Induced Gastric Injury in Rats. <i>Biomolecules</i> , 2020, 10, 1006.	1.8	7

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37	Combinatorial Regimen of Carbamazepine and Imipramine Exhibits Synergism against Grandmal Epilepsy in Rats: Inhibition of Pro-Inflammatory Cytokines and PI3K/Akt/mTOR Signaling Pathway. <i>Pharmaceuticals</i> , 2021, 14, 1204.	1.7	7
38	Fabrication and in vitro Evaluation of 4-HIA Encapsulated PLGA Nanoparticles on PC12 Cells. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 5621-5632.	3.3	6
39	Synthesis of indole-based oxadiazoles and their interaction with bacterial peptidoglycan and SARS-CoV-2 main protease: In vitro, molecular docking and in silico ADME/Tox study. <i>Journal of Saudi Chemical Society</i> , 2022, 26, 101474.	2.4	5
40	Salicylic acid-mediated enhancement of resistance in tomato plants against <i>Xanthomonas perforans</i> . <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 2253-2261.	1.8	3
41	Kaempferitrin inhibits colorectal cancer cells by inducing reactive oxygen species and modulating PI3K/AKT signalling pathway. <i>Process Biochemistry</i> , 2022, 116, 26-37.	1.8	3
42	Prospective Role of Bioactive Molecules and Exosomes in the Therapeutic Potential of Camel Milk against Human Diseases: An Updated Perspective. <i>Life</i> , 2022, 12, 990.	1.1	3
43	Protective Effect of Salvianolic Acid B in Acetic Acid-Induced Experimental Colitis in a Mouse Model. <i>Processes</i> , 2021, 9, 1589.	1.3	2
44	<i>Decalepis hamiltonii</i> and its bioactive constituents mitigate isoproterenol-induced cardiotoxicity in aged rats. <i>South African Journal of Botany</i> , 2022, 151, 25-33.	1.2	2
45	Microbial Nanoparticles for Cancer Treatment. , 2021, , 217-235.		1
46	Prokaryotic and Microbial Eukaryotic System for the NP Synthesis. , 2021, , 19-39.		1
47	Microbial Nanotechnology in Treating Multidrug-Resistance Pathogens. , 2021, , 191-216.		0