

# Mohammad N Alomary

## List of Publications by Year in Descending Order

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**Version:** 2024-04-19

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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.

43  
papers

441  
citations

13  
h-index

19  
g-index

47  
ext. papers

704  
ext. citations

5.4  
avg, IF

4.48  
L-index

#	Paper	IF	Citations
43	Salicylic acid-mediated enhancement of resistance in tomato plants against .. <i>Saudi Journal of Biological Sciences</i> , <b>2022</b> , 29, 2253-2261	4	0
42	Eco-Friendly Synthesis of MnO Nanorods Using Fruit Extract and Its Anticancer Potency Against MCF-7 Breast Cancer Cell Line.. <i>International Journal of Nanomedicine</i> , <b>2022</b> , 17, 901-907	7.3	0
41	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> , <b>2022</b> , 101474	4.3	1
40	Kaempferitrin inhibits colorectal cancer cells by inducing reactive oxygen species and modulating PI3K/AKT signalling pathway. <i>Process Biochemistry</i> , <b>2022</b> , 116, 26-37	4.8	0
39	Hydrogen Sulfide Biology and Its Role in Cancer. <i>Molecules</i> , <b>2022</b> , 27, 3389	4.8	2
38	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>Pharmaceuticals</i> , <b>2021</b> , 14,	5.2	4
37	Hybrid Feature Selection Framework for the Parkinson Imbalanced Dataset Prediction Problem. <i>Medicina (Lithuania)</i> , <b>2021</b> , 57,	3.1	4
36	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> , <b>2021</b> , 14,	5.2	1
35	Plant-Mediated Zinc Oxide Nanoparticles: Advances in the New Millennium towards Understanding Their Therapeutic Role in Biomedical Applications. <i>Pharmaceutics</i> , <b>2021</b> , 13,	6.4	10
34	Proanthocyanin-Capped Biogenic TiO Nanoparticles with Enhanced Penetration, Antibacterial and ROS Mediated Inhibition of Bacteria Proliferation and Biofilm Formation: A Comparative Approach. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 5817-5829	4.8	26
33	Butea monosperma seed extract mediated biosynthesis of ZnO NPs and their antibacterial, antibiofilm and anti-quorum sensing potentialities. <i>Arabian Journal of Chemistry</i> , <b>2021</b> , 14, 103044	5.9	11
32	Bioprospecting of Rhizosphere-Resident Fungi: Their Role and Importance in Sustainable Agriculture. <i>Journal of Fungi (Basel, Switzerland)</i> , <b>2021</b> , 7,	5.6	11
31	Therapeutic development by repurposing drugs targeting SARS-CoV-2 spike protein interactions by simulation studies. <i>Saudi Journal of Biological Sciences</i> , <b>2021</b> , 28, 4560-4568	4	2
30	Counteraction of Biofilm Formation and Antimicrobial Potential of Functionalized Silver Nanoparticles against and Multidrug-Resistant Gram-Negative and Gram-Positive Bacteria. <i>Antibiotics</i> , <b>2021</b> , 10,	4.9	10
29	Oncolytic Herpes Simplex Virus-Based Therapies for Cancer. <i>Cells</i> , <b>2021</b> , 10,	7.9	3
28	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> , <b>2021</b> , 69, 109-128	12.7	19
27	Microbial Nanoparticles for Cancer Treatment <b>2021</b> , 217-235		1

26 Microbial Nanotechnology in Treating Multidrug-Resistance Pathogens **2021**, 191-216

25 Prokaryotic and Microbial Eukaryotic System for the NP Synthesis **2021**, 19-39

1

24 Genotoxic and Cytotoxic Properties of Zinc Oxide Nanoparticles Phyto-Fabricated from the Obscure Morning Glory Plant (L.) Ker Gawl. *Molecules*, **2021**, 26,

4.8 11

23 Natural Products and Nutrients against Different Viral Diseases: Prospects in Prevention and Treatment of SARS-CoV-2. *Medicina (Lithuania)*, **2021**, 57,

3.1 5

22 Biofabricated Fatty Acids-Capped Silver Nanoparticles as Potential Antibacterial, Antifungal, Antibiofilm and Anticancer Agents. *Pharmaceuticals*, **2021**, 14,

5.2 13

21 Sol-Gel Synthesis of Dy-Substituted NiCuZn(FeDy)O Nano Spinel Ferrites and Evaluation of Their Antibacterial, Antifungal, Antibiofilm and Anticancer Potentialities for Biomedical Application. *International Journal of Nanomedicine*, **2021**, 16, 5633-5650

7.3 5

20 Fabrication and in vitro Evaluation of 4-HIA Encapsulated PLGA Nanoparticles on PC12 Cells. *International Journal of Nanomedicine*, **2021**, 16, 5621-5632

7.3 1

19 Protective Effect of Salvianolic Acid B in Acetic Acid-Induced Experimental Colitis in a Mouse Model. *Processes*, **2021**, 9, 1589

2.9 0

18 In silico modeling and molecular docking insights of kaempferitrin for colon cancer-related molecular targets. *Journal of Saudi Chemical Society*, **2021**, 25, 101319

4.3 3

17 A review on Saudi Arabian wastewater treatment facilities and available disinfection methods: Implications to SARS-CoV-2 control. *Journal of King Saud University - Science*, **2021**, 33, 101574

3.6 1

16 Effect of Biosynthesized ZnO Nanoparticles on Multi-Drug Resistant Pseudomonas Aeruginosa. *Antibiotics*, **2020**, 9,

4.9 31

15 Biogenic Gold Nanoparticles as Potent Antibacterial and Antibiofilm Nano-Antibiotics against. *Antibiotics*, **2020**, 9,

4.9 30

14 Cystic Fibrosis: Overview of the Current Development Trends and Innovative Therapeutic Strategies. *Pharmaceutics*, **2020**, 12,

6.4 6

13 Bark Extract Mediated Green Synthesis of ZnO Nanoparticles and Their Antibacterial Potentiality. *Biomolecules*, **2020**, 10,

5.9 30

12 Chitosan Coated Microparticles Enhance Simvastatin Colon Targeting and Pro-Apoptotic Activity. *Marine Drugs*, **2020**, 18,

6 16

11 Recent Nano-based Therapeutic Intervention of Bioactive Sesquiterpenes: Prospects in Cancer Therapeutics. *Current Pharmaceutical Design*, **2020**, 26, 1138-1144

3.3 18

10 Current Nanoparticle Approaches in Nose to Brain Drug Delivery and Anticancer Therapy - A Review. *Current Pharmaceutical Design*, **2020**, 26, 1128-1137

3.3 25

9 TAT-peptide conjugated repurposing drug against SARS-CoV-2 main protease (3CLpro): Potential therapeutic intervention to combat COVID-19.. *Arabian Journal of Chemistry*, **2020**, 13, 8069-8079

5.9 8

8	Optimized Ellagic Acid-Ca Pectinate Floating Beads for Gastroprotection against Indomethacin-Induced Gastric Injury in Rats. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	2
7	Tumoricidal and Bactericidal Properties of ZnONPs Synthesized Using Leaf Extract. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	13
6	Biofabrication of zinc oxide nanoparticles from and its potential in controlling soybean seed-borne phytopathogenic fungi. <i>Saudi Journal of Biological Sciences</i> , <b>2020</b> , 27, 1923-1930	4	26
5	Optimized Nanostructured Lipid Carriers Integrated into In Situ Nasal Gel for Enhancing Brain Delivery of Flibanserin. <i>International Journal of Nanomedicine</i> , <b>2020</b> , 15, 5253-5264	7.3	10
4	Inactivating mutations and X-ray crystal structure of the tumor suppressor OPCML reveal cancer-associated functions. <i>Nature Communications</i> , <b>2019</b> , 10, 3134	17.4	7
3	Antibacterial and Antifungal Activity of Novel Synthesized Neodymium-Substituted Cobalt Ferrite Nanoparticles for Biomedical Application. <i>Processes</i> , <b>2019</b> , 7, 714	2.9	21
2	Biosynthesized ZnO-NPs from Attenuates Methylglyoxal-Induced Protein Glycation and RBC Damage: In-Vitro, In-Vivo and Molecular Docking Study. <i>Biomolecules</i> , <b>2019</b> , 9,	5.9	12
1	The tumour suppressor OPCML promotes AXL inactivation by the phosphatase PTPRG in ovarian cancer. <i>EMBO Reports</i> , <b>2018</b> , 19,	6.5	20