

# Mohd Ahmar Rauf

## List of Publications by Citations

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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.

40  
papers

583  
citations

13  
h-index

23  
g-index

49  
ext. papers

837  
ext. citations

5.1  
avg. IF

4.1  
L-index

#	Paper	IF	Citations
40	Antimicrobial and anticancer activities of silver nanoparticles synthesized from the root hair extract of <i>Phoenix dactylifera</i> . <i>Materials Science and Engineering C</i> , <b>2018</b> , 89, 429-443	8.3	167
39	Biomimetically synthesized ZnO nanoparticles attain potent antibacterial activity against less susceptible <i>S. aureus</i> skin infection in experimental animals. <i>RSC Advances</i> , <b>2017</b> , 7, 36361-36373	3.7	62
38	Bougainvillea flower extract mediated zinc oxide's nanomaterials for antimicrobial and anticancer activity. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 116, 108983	7.5	33
37	Resol based chitosan/nano-hydroxyapatite nanoensemble for effective bone tissue engineering. <i>Carbohydrate Polymers</i> , <b>2018</b> , 179, 317-327	10.3	32
36	Biomimetically engineered Amphotericin B nano-aggregates circumvent toxicity constraints and treat systemic fungal infection in experimental animals. <i>Scientific Reports</i> , <b>2017</b> , 7, 11873	4.9	27
35	Recent advances in the development of novel protein scaffolds based therapeutics. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 102, 630-641	7.9	24
34	In Vitro and in Vivo Antimicrobial Evaluation of Graphene-Polyindole (Gr@PI) Nanocomposite against Methicillin-Resistant Pathogen. <i>ACS Omega</i> , <b>2018</b> , 3, 9431-9440	3.9	24
33	Ligand docking and binding site analysis with pymol and autodock/vina. <i>International Journal of Basic and Applied Sciences</i> , <b>2015</b> , 4, 168	0.1	23
32	Green synthesis of silver nanoparticles by plant extract and their antimicrobial and anticancer activities.. <i>Saudi Journal of Biological Sciences</i> , <b>2022</b> , 29, 460-471	4	23
31	Antibacterial Silver Nanomaterial Synthesis From and Targeting Biofilm Formation. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 801	5.6	22
30	Facile one-pot multicomponent synthesis and molecular docking studies of steroidal oxazole/thiazole derivatives with effective antimicrobial, antibiofilm and hemolytic properties. <i>Steroids</i> , <b>2018</b> , 134, 22-36	2.8	20
29	Graphene Decorated Zinc Oxide and Curcumin to Disinfect the Methicillin-Resistant. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	18
28	Synergistic Effect of Diallyl Sulfide With Zinc Oxide Nanorods: A Novel and Effective Approach for Treatment of Acute Dermatitis in Model Animals. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 586	5.7	13
27	Bio-mediated synthesis of 5-FU based nanoparticles employing orange fruit juice: a novel drug delivery system to treat skin fibrosarcoma in model animals. <i>Scientific Reports</i> , <b>2019</b> , 9, 12288	4.9	12
26	Thermal unfolding of human lysozyme induces aggregation: Recognition of the aggregates by antisera against the native protein. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 113, 976-982	7.9	10
25	Green synthesis of silver nanoparticles, its characterization, and chaperone-like activity in the aggregation inhibition of E <sub>3</sub> hymotrypsinogen A. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 120, 2381-2389	7.9	10
24	TLR Agonist Augments Prophylactic Potential of Acid Inducible Antigen Rv3203 against <i>Mycobacterium tuberculosis</i> H37Rv in Experimental Animals. <i>PLoS ONE</i> , <b>2016</b> , 11, e0152240	3.7	6

23	Carbonic Anhydrase-IX Guided Albumin Nanoparticles for Hypoxia-mediated Triple-Negative Breast Cancer Cell Killing and Imaging of Patient-derived Tumor. <i>Molecules</i> , <b>2020</b> , 25,	4.8	6
22	Blood-brain barrier amenable gold nanoparticles biofabrication in aged cell culture medium. <i>Materials Today Bio</i> , <b>2020</b> , 8, 100072	9.9	5
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. <i>International Journal of Nanomedicine</i> , <b>2021</b> , 16, 5633-5650	7.3	5
20	Pharmacologically bio-relevant N-functionalized homo-binuclear macrocyclic complexes: synthesis, spectral studies, biological screening, HSA binding, and molecular docking. <i>Inorganic and Nano-Metal Chemistry</i> , <b>2019</b> , 49, 413-430	1.2	4
19	Smart treatment strategies for alleviating tauopathy and neuroinflammation to improve clinical outcome in Alzheimer's disease. <i>Drug Discovery Today</i> , <b>2020</b> , 25, 2110-2129	8.8	4
18	Nano-therapeutic strategies to target coronavirus. <i>View</i> , <b>2021</b> , 2, 20200155	7.8	4
17	Graphene nickel copper nanocomposite (Gr@NiCu NCs) as a binder free electrode for high energy density supercapacitor and antimicrobial application. <i>Journal of Materiomics</i> , <b>2021</b> , 7, 815-827	6.7	4
16	A Biomimetic Drug Delivery System Targeting Tumor Hypoxia in Triple-Negative Breast Cancers. <i>Applied Sciences (Switzerland)</i> , <b>2020</b> , 10, 1075	2.6	3
15	The Strategies of Nanomaterials for Traversing Blood-Brain Barrier <b>2019</b> , 29-57		3
14	Genome-Wide Analysis of Codon Usage Patterns of SARS-CoV-2 Virus Reveals Global Heterogeneity of COVID-19. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	3
13	Ultrasound-activated nano-TiO <sub>2</sub> loaded with temozolomide paves the way for resection of chemoresistant glioblastoma multiforme. <i>Cancer Nanotechnology</i> , <b>2021</b> , 12,	7.9	3
12	Potential Biomarkers of miR-371-373 Gene Cluster in Tumorigenesis. <i>Life</i> , <b>2021</b> , 11,	3	3
11	Hydrogen Sulfide Biology and Its Role in Cancer. <i>Molecules</i> , <b>2022</b> , 27, 3389	4.8	2
10	Investigating Chaperone like Activity of Green Silver Nanoparticles: Possible Implications in Drug Development.. <i>Molecules</i> , <b>2022</b> , 27,	4.8	1
9	Imaging the cellular components of the immune system for advancing diagnosis and immunotherapy of cancers. <i>Materials Today Advances</i> , <b>2021</b> , 10, 100138	7.4	1
8	Polysaccharide-based nanocomposites for gene delivery and tissue engineering <b>2021</b> , 103-129		1
7	Assessment of General Populations Knowledge, Attitude, and Perceptions Toward the Coronavirus Disease (COVID-19): A Cross-Sectional Study From Pakistan.. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 747819	4.9	0
6	Hypoxia Targeting Nanoparticles for Immunogenic Cell Death of Triple Negative Breast Cancer. <i>FASEB Journal</i> , <b>2020</b> , 34, 1-1	0.9	

5 Fungal Infection: The Hidden Enemy? **2021**, 161-176

4 Ultra-Small Biomimetic Nanoparticles for Alzheimer's Disease Targeted Drug Delivery. *FASEB Journal*, **2020**, 34, 1-1 0.9

3 Magnetic Nanostructures Immobilized Microorganisms for the Development of Nano-Biofertilizers. *Journal of Nanoelectronics and Optoelectronics*, **2020**, 15, 1530-1537 1.3

2 Aerogels as microbial disinfectant **2021**, 201-215

1 Bacterial Synthesis of NPs and Their Scale-Up Technologies **2021**, 61-80