

# Mohd Ahmar Rauf

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

1,185  
citations

516215

16  
h-index

395343

33  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1517  
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2018, 89, 429-443.	3.8	279
2	Green synthesis of silver nanoparticles by <i>Conocarpus Lancifolius</i> plant extract and their antimicrobial and anticancer activities. <i>Saudi Journal of Biological Sciences</i> , 2022, 29, 460-471.	1.8	128
3	Biomimetically synthesized ZnO nanoparticles attain potent antibacterial activity against less susceptible <i>S. aureus</i> skin infection in experimental animals. <i>RSC Advances</i> , 2017, 7, 36361-36373.	1.7	101
4	<i>Bougainvillea</i> flower extract mediated zinc oxide nanoparticles for antimicrobial and anticancer activity. <i>Biomedicine and Pharmacotherapy</i> , 2019, 116, 108983.	2.5	61
5	Antibacterial Silver Nanomaterial Synthesis From <i>Mesoflavibacter zeaxanthinifaciens</i> and Targeting Biofilm Formation. <i>Frontiers in Pharmacology</i> , 2019, 10, 801.	1.6	50
6	Hydrogen Sulfide Biology and Its Role in Cancer. <i>Molecules</i> , 2022, 27, 3389.	1.7	47
7	Ligand docking and binding site analysis with pymol and autodock/vina. <i>International Journal of Basic and Applied Sciences</i> , 2015, 4, 168-177.	0.2	45
8	Resol based chitosan/nano-hydroxyapatite nanoensemble for effective bone tissue engineering. <i>Carbohydrate Polymers</i> , 2018, 179, 317-327.	5.1	41
9	Biomimetically engineered Amphotericin B nano-aggregates circumvent toxicity constraints and treat systemic fungal infection in experimental animals. <i>Scientific Reports</i> , 2017, 7, 11873.	1.6	38
10	Facile one-pot multicomponent synthesis and molecular docking studies of steroidal oxazole/thiazole derivatives with effective antimicrobial, antibiofilm and hemolytic properties. <i>Steroids</i> , 2018, 134, 22-36.	0.8	35
11	In Vitro and in Vivo Antimicrobial Evaluation of Graphene-Polyindole (Gr@Pln) Nanocomposite against Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Pathogen. ACS Omega</i> , 2018, 3, 9431-9440.	1.6	33
12	Sol-Gel Synthesis of Dy-Substituted Ni <sub>0.4</sub> Cu <sub>0.2</sub> Zn <sub>0.4</sub> (Fe <sub>2-x</sub> Dy <sub>x</sub> )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
13	Recent advances in the development of novel protein scaffolds based therapeutics. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 630-641.	3.6	26
14	Graphene Decorated Zinc Oxide and Curcumin to Disinfect the Methicillin-Resistant <i>Staphylococcus aureus</i> . <i>Nanomaterials</i> , 2020, 10, 1004.	1.9	25
15	Genome-Wide Analysis of Codon Usage Patterns of SARS-CoV-2 Virus Reveals Global Heterogeneity of COVID-19. <i>Biomolecules</i> , 2021, 11, 912.	1.8	23
16	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> , 2019, 9, 12288.	1.6	22
17	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> , 2018, 9, 586.	1.5	19
18	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> , 2021, 7, 815-827.	2.8	15

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19	Green synthesis of silver nanoparticles, its characterization, and chaperone-like activity in the aggregation inhibition of $\beta$ -chymotrypsinogen A. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 2381-2389.	3.6	14
20	Carbonic Anhydrase-IX Guided Albumin Nanoparticles for Hypoxia-mediated Triple-Negative Breast Cancer Cell Killing and Imaging of Patient-derived Tumor. <i>Molecules</i> , 2020, 25, 2362.	1.7	14
21	Thermal unfolding of human lysozyme induces aggregation: Recognition of the aggregates by antisera against the native protein. <i>International Journal of Biological Macromolecules</i> , 2018, 113, 976-982.	3.6	13
22	Ultrasound-activated nano-TiO <sub>2</sub> loaded with temozolomide paves the way for resection of chemoresistant glioblastoma multiforme. <i>Cancer Nanotechnology</i> , 2021, 12, .	1.9	13
23	Smart treatment strategies for alleviating tauopathy and neuroinflammation to improve clinical outcome in Alzheimer's disease. <i>Drug Discovery Today</i> , 2020, 25, 2110-2129.	3.2	12
24	TLR Agonist Augments Prophylactic Potential of Acid Inducible Antigen Rv3203 against Mycobacterium tuberculosis H37Rv in Experimental Animals. <i>PLoS ONE</i> , 2016, 11, e0152240.	1.1	12
25	Blood-brain barrier amenable gold nanoparticles biofabrication in aged cell culture medium. <i>Materials Today Bio</i> , 2020, 8, 100072.	2.6	11
26	Nano-therapeutic strategies to target coronavirus. <i>View</i> , 2021, 2, 20200155.	2.7	11
27	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> , 2021, 8, 747819.	1.2	11
28	Investigating Chaperone like Activity of Green Silver Nanoparticles: Possible Implications in Drug Development. <i>Molecules</i> , 2022, 27, 944.	1.7	8
29	Biochemical and Biophysical Characterisation of the Hepatitis E Virus Guanine-7-Methyltransferase. <i>Molecules</i> , 2022, 27, 1505.	1.7	8
30	Synergistic Role of Plant Extracts and Essential Oils against Multidrug Resistance and Gram-Negative Bacterial Strains Producing Extended-Spectrum $\beta$ -Lactamases. <i>Antibiotics</i> , 2022, 11, 855.	1.5	8
31	Potential Biomarkers of miR-371-373 Gene Cluster in Tumorigenesis. <i>Life</i> , 2021, 11, 984.	1.1	7
32	The Strategies of Nanomaterials for Traversing Blood-Brain Barrier. , 2019, , 29-57.		5
33	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> , 2019, 49, 413-430.	0.9	4
34	Polysaccharide-based nanocomposites for gene delivery and tissue engineering. , 2021, , 103-129.		4
35	A Biomimetic Drug Delivery System Targeting Tumor Hypoxia in Triple-Negative Breast Cancers. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1075.	1.3	3
36	Ketoconazole-Loaded Cationic Nanoemulsion: <i>In Vitro</i> $\leftrightarrow$ <i>Ex Vivo</i> $\leftrightarrow$ <i>In Vivo</i> Evaluations to Control Cutaneous Fungal Infections. <i>ACS Omega</i> , 2022, 7, 20267-20279.	1.6	3

#	ARTICLE	IF	CITATIONS
37	Aerogels as microbial disinfectant. , 2021, , 201-215.		2
38	Comparing and Contrasting MERS, SARS-CoV, and SARS-CoV-2: Prevention, Transmission, Management, and Vaccine Development. Pathogens, 2020, 9, 985.	1.2	1
39	Imaging the cellular components of the immune system for advancing diagnosis and immunotherapy of cancers. Materials Today Advances, 2021, 10, 100138.	2.5	1
40	Ultra-small Biomimetic Nanoparticles for Alzheimer's Disease Targeted Drug Delivery. FASEB Journal, 2020, 34, 1-1.	0.2	1
41	Bacterial Synthesis of NPs and Their Scale-Up Technologies. , 2021, , 61-80.		0
42	Inside Back Cover: Nano-therapeutic strategies to target coronavirus (View 3/2021). View, 2021, 2, e147.	2.7	0
43	Abstract 6263: Hypoxia-targeting prodrug approach for multimodal chemotherapy and immunogenic cell death in aggressive triple negative breast cancer. , 2020, , .		0
44	Abstract 1721: Hypoxia penetrating ultra-small nanoparticle for anti-cancer effect in Glioblastoma. , 2020, , .		0
45	Magnetic Nanostructures Immobilized Microorganisms for the Development of Nano-Biofertilizers. Journal of Nanoelectronics and Optoelectronics, 2020, 15, 1530-1537.	0.1	0
46	Hypoxia Targeting Nanoparticles for Immunogenic Cell Death of Triple Negative Breast Cancer. FASEB Journal, 2020, 34, 1-1.	0.2	0
47	Fungal Infection: The Hidden Enemy?. , 2021, , 161-176.		0