

# Muhammad Sohail

## List of Publications by Year in descending order

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62  
papers

2,368  
citations

257101

24  
h-index

214527

47  
g-index

64  
all docs

64  
docs citations

64  
times ranked

3394  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chitosan oligosaccharide (COS): An overview. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 827-843.	3.6	313
2	Hyaluronic acid, a promising skin rejuvenating biomedicine: A review of recent updates and pre-clinical and clinical investigations on cosmetic and nutricosmetic effects. <i>International Journal of Biological Macromolecules</i> , 2018, 120, 1682-1695.	3.6	261
3	Biopolymer-based biomaterials for accelerated diabetic wound healing: A critical review. <i>International Journal of Biological Macromolecules</i> , 2019, 139, 975-993.	3.6	178
4	Bioinspired sodium alginate based thermosensitive hydrogel membranes for accelerated wound healing. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 751-765.	3.6	141
5	PEGylation: a promising strategy to overcome challenges to cancer-targeted nanomedicines: a review of challenges to clinical transition and promising resolution. <i>Drug Delivery and Translational Research</i> , 2019, 9, 721-734.	3.0	117
6	A highly hindered bithiophene-functionalized dispiro-oxepine derivative as an efficient hole transporting material for perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18259-18264.	5.2	78
7	Conjugated Electron Donor-Acceptor Hybrid Polymeric Carbon Nitride as a Photocatalyst for CO <sub>2</sub> Reduction. <i>Molecules</i> , 2019, 24, 1779.	1.7	73
8	A Conserved Serine of Heterogeneous Nuclear Ribonucleoprotein L (hnRNP L) Mediates Depolarization-regulated Alternative Splicing of Potassium Channels. <i>Journal of Biological Chemistry</i> , 2012, 287, 22709-22716.	1.6	72
9	Chitosan based thermosensitive injectable hydrogels for controlled delivery of loxoprofen: development, characterization and in-vivo evaluation. <i>International Journal of Biological Macromolecules</i> , 2019, 129, 233-245.	3.6	60
10	Natural and synthetic polymer-based smart biomaterials for management of ulcerative colitis: a review of recent developments and future prospects. <i>Drug Delivery and Translational Research</i> , 2019, 9, 595-614.	3.0	55
11	Health risk assessment of heavy metals in wheat using different water qualities: implication for human health. <i>Environmental Science and Pollution Research</i> , 2017, 24, 947-955.	2.7	49
12	Differential effects of PKA-controlled CaMKK2 variants on neuronal differentiation. <i>RNA Biology</i> , 2011, 8, 1061-1072.	1.5	48
13	Novel biodegradable pH-sensitive hydrogels: An efficient controlled release system to manage ulcerative colitis. <i>International Journal of Biological Macromolecules</i> , 2019, 136, 83-96.	3.6	45
14	Antimicrobial susceptibility of Acinetobacter clinical isolates and emerging antibiogram trends for nosocomial infection management. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2016, 49, 300-304.	0.4	44
15	Characteristics and Antibiotic Resistance of Urinary Tract Pathogens Isolated From Punjab, Pakistan. <i>Jundishapur Journal of Microbiology</i> , 2015, 8, e19272.	0.2	42
16	Doped but Stable: Spirobisacridine Hole Transporting Materials for Hysteresis-Free and Stable Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 1792-1800.	6.6	39
17	Novel pH responsive supramolecular hydrogels of chitosan hydrochloride and polyoxometalate: In-vitro, in-vivo and preliminary safety evaluation. <i>International Journal of Pharmaceutics</i> , 2017, 533, 125-137.	2.6	32
18	Domperidone nanocrystals with boosted oral bioavailability: fabrication, evaluation and molecular insight into the polymer-domperidone nanocrystal interaction. <i>Drug Delivery and Translational Research</i> , 2019, 9, 284-297.	3.0	32

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19	Differential expression, distinct localization and opposite effect on Golgi structure and cell differentiation by a novel splice variant of human PRMT5. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 2444-2452.	1.9	31
20	A locus for hereditary hypotrichosis localized to human chromosome 18q21.1. <i>European Journal of Human Genetics</i> , 2003, 11, 623-628.	1.4	30
21	HEMA based pH-sensitive semi IPN microgels for oral delivery; a rationale approach for ketoprofen. <i>Drug Development and Industrial Pharmacy</i> , 2020, 46, 272-282.	0.9	30
22	Evolutionary Emergence of a Novel Splice Variant with an Opposite Effect on the Cell Cycle. <i>Molecular and Cellular Biology</i> , 2015, 35, 2203-2214.	1.1	28
23	Identification of Angiotensin I-Converting Enzyme Inhibitory Peptides Derived from Enzymatic Hydrolysates of Razor Clam <i>Sinonovacula constricta</i> . <i>Marine Drugs</i> , 2016, 14, 110.	2.2	28
24	Evolutionarily emerged G tracts between the polypyrimidine tract and 3' AG are splicing silencers enriched in genes involved in cancer. <i>BMC Genomics</i> , 2014, 15, 1143.	1.2	25
25	Dexibuprofen nanocrystals with improved therapeutic performance: fabrication, characterization, in silico modeling, and in vivo evaluation. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 1677-1692.	3.3	25
26	Molecular analysis, biofilm formation, and susceptibility of methicillin-resistant <i>Staphylococcus aureus</i> strains causing community- and health care-associated infections in central venous catheters. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2018, 51, 603-609.	0.4	24
27	Fluoroquinolone resistance and mutational profile of <i>gyrA</i> in pulmonary MDR tuberculosis patients. <i>BMC Pulmonary Medicine</i> , 2020, 20, 138.	0.8	24
28	Fourth-Order Difference Approximation for Time-Fractional Modified Sub-Diffusion Equation. <i>Symmetry</i> , 2020, 12, 691.	1.1	24
29	Glycogen Synthase Kinase 3 Protein Kinase Activity Is Frequently Elevated in Human Non-Small Cell Lung Carcinoma and Supports Tumour Cell Proliferation. <i>PLoS ONE</i> , 2014, 9, e114725.	1.1	24
30	Diverse regulation of 5' splice site usage. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 4771-4793.	2.4	22
31	Forest inventory and analysis in Gilgit-Baltistan. <i>International Journal of Climate Change Strategies and Management</i> , 2018, 10, 616-631.	1.5	22
32	Facile synthesis of Gd and Sn co-doped BiFeO <sub>3</sub> supported on nitrogen doped graphene for enhanced photocatalytic activity. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 130, 222-229.	1.9	22
33	Molecular mechanisms of antibiotic co-resistance among carbapenem resistant <i>Acinetobacter baumannii</i> . <i>Journal of Infection in Developing Countries</i> , 2019, 13, 899-905.	0.5	19
34	Phylogenetic Analysis of Polygalacturonase-Producing <i>Bacillus</i> and <i>Pseudomonas</i> Isolated From Plant Waste Material. <i>Jundishapur Journal of Microbiology</i> , 2016, 9, e28594.	0.2	17
35	Engineering of Naproxen Loaded Polymer Hybrid Enteric Microspheres for Modified Release Tablets: Development, Characterization, in silico Modelling and in vivo Evaluation. <i>Drug Design, Development and Therapy</i> , 2020, Volume 14, 27-41.	2.0	17
36	Synthesis, structural characterization and catalytic application of citrate-stabilized monometallic and bimetallic palladium@copper nanoparticles in microbial anti-activities. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 8735-8747.	3.3	16

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37	Chitosan-coated rectangular DNA nanospheres for better outcomes of anti-diabetic drug. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	0.8	16
38	Assessment of polychlorinated biphenyls (PCBs) in the Himalayan Riverine Network of Azad Jammu and Kashmir. <i>Chemosphere</i> , 2020, 240, 124762.	4.2	16
39	Mercury contamination in deposited dust and its bioaccumulation patterns throughout Pakistan. <i>Science of the Total Environment</i> , 2016, 569-570, 585-593.	3.9	15
40	A new strategy for taste masking of azithromycin antibiotic: development, characterization, and evaluation of azithromycin titanium nanohybrid for masking of bitter taste using physisorption and panel testing studies. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 3855-3866.	2.0	15
41	Orientation dependent electronic and optical properties of ZnS nanowires and ZnS@Si core shell nanowires. <i>Applied Surface Science</i> , 2019, 486, 539-545.	3.1	14
42	Novel gelatin-polyoxometalate based self-assembled pH responsive hydrogels: formulation and <i>in vitro</i> characterization. <i>Designed Monomers and Polymers</i> , 2016, 19, 697-705.	0.7	13
43	Hole transfer from CdSe nanoparticles to TQ1 polymer in hybrid solar cell device. <i>Journal of Molecular Structure</i> , 2018, 1159, 67-73.	1.8	13
44	Hybridization and functionalization with biological macromolecules synergistically improve biomedical efficacy of silver nanoparticles: Reconceptualization of <i>in-vitro</i> , <i>in-vivo</i> and clinical studies. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 54, 101169.	1.4	12
45	Evaluation of chitosan/eudragit hybrid coating over cubic DNA nanospheres with superior stability and therapeutic outcomes. <i>Journal of Drug Delivery Science and Technology</i> , 2019, 52, 577-585.	1.4	12
46	Effect of different combinations of antibiotics on fruit quality and antioxidant defense system in Huanglongbing infected Kinnow orchards. <i>AMB Express</i> , 2019, 9, 147.	1.4	12
47	<i>In vivo</i> protein allylation to capture protein methylation candidates. <i>Chemical Communications</i> , 2016, 52, 6689-6692.	2.2	11
48	Morphological research on expression of inflammatory mediators in murine models of chronic prostatitis/chronic pelvic pain syndrome (CP/CPPS) induced by T2 antigen. <i>Andrologia</i> , 2019, 51, e13435.	1.0	9
49	Four-component reaction leading to highly functionalized sulfoalkoxy carbonyl compounds. <i>Chemical Communications</i> , 2015, 51, 4774-4777.	2.2	7
50	Four-component electrophilic difunctionalization of olefins using sulfonic acids, cyclic ethers, and NBS. <i>Tetrahedron Letters</i> , 2015, 56, 5743-5746.	0.7	5
51	Non-O1 <i>Vibrio cholerae</i> bacteremia in an infant, first case report from Pakistan. <i>Journal of Infection in Developing Countries</i> , 2016, 10, 188-189.	0.5	5
52	Molecular characterization of polygalacturonase producing <i>Klebsiella</i> and <i>Staphylococcus</i> species by 16S rRNA sequencing collected from rotten fruits and vegetables. <i>African Journal of Microbiology Research</i> , 2012, 6, 7319-7323.	0.4	4
53	Four-component $\alpha$ -bromo- $\beta$ -phosphoalkoxylation of aromatic $\alpha,\beta$ -unsaturated carbonyl compounds. <i>RSC Advances</i> , 2015, 5, 17014-17017.	1.7	4
54	Prevalence of <i>Enterococcus faecalis</i> mediated UTI and its current antimicrobial susceptibility pattern in Lahore, Pakistan. <i>JPMA the Journal of the Pakistan Medical Association</i> , 2016, 66, 1232-1236.	0.1	4

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55	Valorization of CO <sub>2</sub> in flue gas through alkalinity production: Parametric optimization for application in anaerobic digesters. <i>Environmental Technology and Innovation</i> , 2020, 17, 100522.	3.0	3
56	Bacteremia Prediction by Inflammatory Factors and Recent Trend in Drug Resistance of Bacteria Isolated from Blood Stream Infection. <i>Journal of Infection and Molecular Biology</i> , 2015, 3, 75-80.	0.1	3
57	Prevalence and antibiogram of methicillin resistant <i>Staphylococcus aureus</i> isolated from medical device-related infections; a retrospective study in Lahore, Pakistan. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , 2017, 50, 680-684.	0.4	2
58	Antibiotyping and genotyping of extensively drug-resistant (XDR) <i>Salmonella</i> sp. isolated from clinical samples of Lahore, Pakistan. <i>Journal of Applied Microbiology</i> , 2022, 132, 633-641.	1.4	1
59	Inhibition of biofilm produced by methicillin-resistant <i>Staphylococcus aureus</i> (MRSA) by thymoquinone.. <i>Archives of Ecotoxicology</i> , 2021, 3, 65-68.	0.1	0
60	Blind Deconvolution of Blurred Images with Fuzzy Size Detection of Point Spread Function. <i>Communications in Computer and Information Science</i> , 2012, , 261-271.	0.4	0
61	Metal uptake by psyllium ( <i>Plantago ovata</i> L.) treated with lead (Pb) under semi-arid conditions. <i>Legume Research</i> , 0, , .	0.0	0
62	In-Vitro Assessment Of The Therapeutic Potential Of Polymyxins And Tigecycline Against Multidrugresistant <i>Acinetobacter</i> Isolates From Infected Wounds. <i>Journal of Ayub Medical College, Abbottabad: JAMC</i> , 2020, 32, 459-464.	0.1	0