

# Moazur Rahman

## List of Publications by Year in descending order

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54  
papers

1,531  
citations

361296  
20  
h-index

330025  
37  
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56  
all docs

56  
docs citations

56  
times ranked

2111  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hesperidin identified from Citrus extracts potently inhibits HCV genotype 3a NS3 protease. BMC Complementary Medicine and Therapies, 2022, 22, 98.	1.2	4
2	PTR2/POT/NPF transporters: what makes them tick?. Advances in Protein Chemistry and Structural Biology, 2021, 123, 219-240.	1.0	9
3	Plant-Microbe Synergism in Floating Treatment Wetlands for the Enhanced Removal of Sodium Dodecyl Sulphate from Water. Sustainability, 2021, 13, 2883.	1.6	10
4	Characterization of the multidrug efflux transporter <i>StyMdtM</i> from <i>Salmonella enterica</i> serovar Typhi. Proteins: Structure, Function and Bioinformatics, 2021, 89, 1193-1204.	1.5	2
5	Identification of potent epitopes on hexon capsid protein and their evaluation as vaccine candidates against infections caused by members of Adenoviridae family. Vaccine, 2021, 39, 3560-3564.	1.7	8
6	Expression, purification and characterization of human proton-coupled oligopeptide transporter 1 hPEPT1. Protein Expression and Purification, 2021, 190, 105990.	0.6	2
7	Mutational Diversity in the Quinolone Resistance-Determining Regions of Type-II Topoisomerases of Salmonella Serovars. Antibiotics, 2021, 10, 1455.	1.5	13
8	Mass spectrometric analysis of lipid A obtained from the lipopolysaccharide of <i>Pasteurella multocida</i> . RSC Advances, 2020, 10, 30917-30933.	1.7	5
9	Transcriptional regulation of drug resistance mechanisms in Salmonella: where we stand and what we need to know. World Journal of Microbiology and Biotechnology, 2020, 36, 85.	1.7	14
10	Characterization of the highly immunogenic VP2 protrusion domain as a diagnostic antigen for members of Birnaviridae family. Applied Microbiology and Biotechnology, 2020, 104, 3391-3402.	1.7	1
11	C-Terminal Domain of the Human Zinc Transporter hZnT8 Is Structurally Indistinguishable from Its Disease Risk Variant (R325W). International Journal of Molecular Sciences, 2020, 21, 926.	1.8	6
12	An Insight Into COVID-19: A 21st Century Disaster and Its Relation to Immunocompetence and Food Antioxidants. Frontiers in Veterinary Science, 2020, 7, 586637.	0.9	11
13	Screening and identification of bioactive compounds from citrus against non-structural protein 3 protease of hepatitis C virus genotype 3a by fluorescence resonance energy transfer assay and mass spectrometry. World Journal of Hepatology, 2020, 12, 976-992.	0.8	4
14	Reserpine Is the New Addition into the Repertoire of AcrB Efflux Pump Inhibitors. Molecular Biology, 2019, 53, 596-605.	0.4	19
15	Restraining the multidrug efflux transporter STY4874 of <i>Salmonella</i> Typhi by reserpine and plant extracts. Letters in Applied Microbiology, 2019, 69, 161-167.	1.0	15
16	In silico epitope prediction and immunogenic analysis for penton base epitope-focused vaccine against hydropericardium syndrome in chicken. Virus Research, 2019, 273, 197750.	1.1	15
17	LC-MS/MS-based determination of chloramphenicol, thiamphenicol, florfenicol and florfenicol amine in poultry meat from the Punjab-Pakistan. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2018, 35, 1530-1542.	1.1	26
18	The prototypical proton-coupled oligopeptide transporter YdgR from <i>Escherichia coli</i> facilitates chloramphenicol uptake into bacterial cells. Journal of Biological Chemistry, 2018, 293, 1007-1017.	1.6	23

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19	Multiple Mycotoxins in Rice: Occurrence and Health Risk Assessment in Children and Adults of Punjab, Pakistan. <i>Toxins</i> , 2018, 10, 77.	1.5	56
20	Several hPepT1-transported drugs are substrates of the Escherichia coli proton-coupled oligopeptide transporter YdgR. <i>Research in Microbiology</i> , 2017, 168, 443-449.	1.0	17
21	Structural Biology Meets Drug Resistance: An Overview on Multidrug Resistance Transporters. <i>Journal of the Indian Institute of Science</i> , 2017, 97, 165-175.	0.9	3
22	Prediction of viral loads for diagnosis of Hepatitis C infection in human plasma samples using Raman spectroscopy coupled with partial least squares regression analysis. <i>Journal of Raman Spectroscopy</i> , 2017, 48, 697-704.	1.2	61
23	Fowl adenovirus: history, emergence, biology and development of a vaccine against hydropericardium syndrome. <i>Archives of Virology</i> , 2017, 162, 1833-1843.	0.9	64
24	LC-MS/MS based method development for the analysis of florfenicol and its application to estimate relative distribution in various tissues of broiler chicken. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1063, 163-173.	1.2	25
25	First characterization of immunogenic conjugates of Vi negative Salmonella Typhi O-specific polysaccharides with rEPA protein for vaccine development. <i>Journal of Immunological Methods</i> , 2017, 450, 27-33.	0.6	3
26	Characterisation of the AACSA Family Escherichia coli Glutamate/Aspartate-Proton Symporter GltP Using Computational, Chemical, Biochemical and Biophysical Methods. <i>Journal of Membrane Biology</i> , 2017, 250, 145-162.	1.0	17
27	Overexpression and characterization of the 100K protein of Fowl adenovirus-4 as an antiviral target. <i>Virus Research</i> , 2017, 238, 218-225.	1.1	9
28	Molecular cloning, expression and characterization of 100K gene of fowl adenovirus-4 for prevention and control of hydropericardium syndrome. <i>Biologicals</i> , 2016, 44, 19-23.	0.5	19
29	Activity of the Human Rhinovirus 3C Protease Studied in Various Buffers, Additives and Detergents Solutions for Recombinant Protein Production. <i>PLoS ONE</i> , 2016, 11, e0153436.	1.1	28
30	Characterization of putative multidrug resistance transporters of the major facilitator-superfamily expressed in Salmonella Typhi. <i>Journal of Infection and Chemotherapy</i> , 2015, 21, 357-362.	0.8	17
31	Simplest identification, O-specific polysaccharide purification and antigenic evaluation of Salmonella enterica serovar Typhi Vi negative isolate. <i>EXCLI Journal</i> , 2015, 14, 1078-84.	0.5	10
32	Comparative Molecular Dynamics Simulation of Hepatitis C Virus NS3/4A Protease (Genotypes 1b, 3a and Tj ETQq000rgBT/Overlock). <i>PLoS ONE</i> , 2014, 9, e104425.	1.1	15
33	Heterologous expression, characterization and evaluation of the matrix protein from Newcastle disease virus as a target for antiviral therapies. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 1691-1701.	1.7	24
34	Promoter hypermethylation of Wnt pathway inhibitors in hepatitis C virus - induced multistep hepatocarcinogenesis. <i>Virology Journal</i> , 2014, 11, 117.	1.4	26
35	New insights into the substrate specificities of proton-coupled oligopeptide transporters from E. coli by a pH sensitive assay. <i>FEBS Letters</i> , 2014, 588, 560-565.	1.3	21
36	Antimicrobial activity of the bioactive components of essential oils from Pakistani spices against Salmonella and other multi-drug resistant bacteria. <i>BMC Complementary and Alternative Medicine</i> , 2013, 13, 265.	3.7	99

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37	Prevalence of active hepatitis C virus infections among general public of Lahore, Pakistan. <i>Virology Journal</i> , 2013, 10, 351.	1.4	31
38	Over-expression and characterization of NS3 and NS5A of Hepatitis C virus genotype 3a. <i>Microbial Cell Factories</i> , 2013, 12, 111.	1.9	4
39	Functional Investigation of Conserved Membrane-Embedded Glutamate Residues in the Proton-Coupled Peptide Transporter YjdL. <i>Protein and Peptide Letters</i> , 2012, 19, 282-287.	0.4	36
40	A subunit vaccine against hydropericardium syndrome using adenovirus penton capsid protein. <i>Vaccine</i> , 2012, 30, 7153-7156.	1.7	43
41	Probing the Putative Active Site of YjdL: An Unusual Proton-Coupled Oligopeptide Transporter from <i>E. coli</i> . <i>PLoS ONE</i> , 2012, 7, e47780.	1.1	25
42	A bi-functional hepatitis B virus core antigen (HBcAg) chimera activates HBcAg-specific T cells and preS1-specific antibodies. <i>Scandinavian Journal of Infectious Diseases</i> , 2012, 44, 55-59.	1.5	9
43	Bioleaching of high grade Pb-Zn ore by mesophilic and moderately thermophilic iron and sulphur oxidizers. <i>Hydrometallurgy</i> , 2009, 97, 1-7.	1.8	23
44	Ligand binding analyses of the putative peptide transporter YjdL from <i>E. coli</i> display a significant selectivity towards dipeptides. <i>Biochemical and Biophysical Research Communications</i> , 2009, 389, 112-116.	1.0	37
45	Efforts for structural biology of membrane proteins in a SESAME member country. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2009, 65, s118-s118.	0.3	0
46	Probing metal ion substrate-binding to the <i>E. coli</i> ZitB exporter in native membranes by solid state NMR. <i>Molecular Membrane Biology</i> , 2008, 25, 683-690.	2.0	15
47	Investigation of the structure and function of a <i>Shewanella oneidensis</i> arsenical-resistance family transporter. <i>Molecular Membrane Biology</i> , 2008, 25, 691-701.	2.0	20
48	Topology-informed strategies for the overexpression and purification of membrane proteins. <i>Molecular Membrane Biology</i> , 2007, 24, 407-418.	2.0	32
49	Glucose oxidase immobilization on a novel cellulose acetate-polymethylmethacrylate membrane. <i>Journal of Biotechnology</i> , 2006, 121, 351-360.	1.9	107
50	Electrochemical approach of anticancer drugs-DNA interaction. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 37, 205-217.	1.4	286
51	Relationship among acidophilic bacteria from diverse environments as determined by randomly amplified polymorphic DNA analysis (RAPD). <i>World Journal of Microbiology and Biotechnology</i> , 2005, 21, 645-648.	1.7	8
52	Possible role of uncoupling protein in regulation of myocardial energy metabolism in aortic regurgitation model rats 1. <i>FASEB Journal</i> , 2001, 15, 1209-1211.	0.2	33
53	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2000, 16, 135-138.	1.7	22
54	Determinants of Ligand Binding Specificity of the $\beta_1$ and $\beta_2$ Integrins. <i>Journal of Biological Chemistry</i> , 1999, 274, 32182-32191.	1.6	86