

Moazur Rahman

List of Publications by Year in descending order

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54
papers

1,531
citations

361413
20
h-index

330143
37
g-index

56
all docs

56
docs citations

56
times ranked

2111
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrochemical approach of anticancer drugsâ€™DNA interaction. Journal of Pharmaceutical and Biomedical Analysis, 2005, 37, 205-217.	2.8	286
2	Glucose oxidase immobilization on a novel cellulose acetateâ€™polymethylmethacrylate membrane. Journal of Biotechnology, 2006, 121, 351-360.	3.8	107
3	Antimicrobial activity of the bioactive components of essential oils from Pakistani spices against Salmonella and other multi-drug resistant bacteria. BMC Complementary and Alternative Medicine, 2013, 13, 265.	3.7	99
4	Determinants of Ligand Binding Specificity of the $\alpha_1\beta_1$ and $\alpha_2\beta_1$ Integrins. Journal of Biological Chemistry, 1999, 274, 32182-32191.	3.4	86
5	Fowl adenovirus: history, emergence, biology and development of a vaccine against hydropericardium syndrome. Archives of Virology, 2017, 162, 1833-1843.	2.1	64
6	Prediction of viral loads for diagnosis of Hepatitis C infection in human plasma samples using Raman spectroscopy coupled with partial least squares regression analysis. Journal of Raman Spectroscopy, 2017, 48, 697-704.	2.5	61
7	Multiple Mycotoxins in Rice: Occurrence and Health Risk Assessment in Children and Adults of Punjab, Pakistan. Toxins, 2018, 10, 77.	3.4	56
8	A subunit vaccine against hydropericardium syndrome using adenovirus penton capsid protein. Vaccine, 2012, 30, 7153-7156.	3.8	43
9	Ligand binding analyses of the putative peptide transporter YjdL from E. coli display a significant selectivity towards dipeptides. Biochemical and Biophysical Research Communications, 2009, 389, 112-116.	2.1	37
10	Functional Investigation of Conserved Membrane-Embedded Glutamate Residues in the Proton-Coupled Peptide Transporter YjdL. Protein and Peptide Letters, 2012, 19, 282-287.	0.9	36
11	Possible role of uncoupling protein in regulation of myocardial energy metabolism in aortic regurgitation model rats 1. FASEB Journal, 2001, 15, 1209-1211.	0.5	33
12	Topology-informed strategies for the overexpression and purification of membrane proteins. Molecular Membrane Biology, 2007, 24, 407-418.	2.0	32
13	Prevalence of active hepatitis C virus infections among general public of Lahore, Pakistan. Virology Journal, 2013, 10, 351.	3.4	31
14	Activity of the Human Rhinovirus 3C Protease Studied in Various Buffers, Additives and Detergents Solutions for Recombinant Protein Production. PLoS ONE, 2016, 11, e0153436.	2.5	28
15	Promoter hypermethylation of Wnt pathway inhibitors in hepatitis C virus - induced multistep hepatocarcinogenesis. Virology Journal, 2014, 11, 117.	3.4	26
16	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.	2.3	26
17	Probing the Putative Active Site of YjdL: An Unusual Proton-Coupled Oligopeptide Transporter from E. coli. PLoS ONE, 2012, 7, e47780.	2.5	25
18	LC-MS/MS based method development for the analysis of florfenicol and its application to estimate relative distribution in various tissues of broiler chicken. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2017, 1063, 163-173.	2.3	25

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19	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.	3.6	24
20	Bioleaching of high grade Pbâ€Zn ore by mesophilic and moderately thermophilic iron and sulphur oxidizers. <i>Hydrometallurgy</i> , 2009, 97, 1-7.	4.3	23
21	The prototypical proton-coupled oligopeptide transporter YdgR from <i>Escherichia coli</i> facilitates chloramphenicol uptake into bacterial cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 1007-1017.	3.4	23
22	Title is missing!. <i>World Journal of Microbiology and Biotechnology</i> , 2000, 16, 135-138.	3.6	22
23	New insights into the substrate specificities of protonâ€coupled oligopeptide transporters from <i>E. coli</i> by a pH sensitive assay. <i>FEBS Letters</i> , 2014, 588, 560-565.	2.8	21
24	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
25	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.	1.4	19
26	Reserpine Is the New Addition into the Repertoire of AcrB Efflux Pump Inhibitors. <i>Molecular Biology</i> , 2019, 53, 596-605.	1.3	19
27	Characterization of putative multidrug resistance transporters of the major facilitator-superfamily expressed in <i>Salmonella Typhi</i> . <i>Journal of Infection and Chemotherapy</i> , 2015, 21, 357-362.	1.7	17
28	Several hPepT1-transported drugs are substrates of the <i>Escherichia coli</i> proton-coupled oligopeptide transporter YdgR. <i>Research in Microbiology</i> , 2017, 168, 443-449.	2.1	17
29	Characterisation of theÂAACSÂFamily <i>Escherichia coli</i> Glutamate/Aspartate-Proton Symporter GltP Using Computational, Chemical, Biochemical and Biophysical Methods. <i>Journal of Membrane Biology</i> , 2017, 250, 145-162.	2.1	17
30	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
31	Comparative Molecular Dynamics Simulation of Hepatitis C Virus NS3/4A Protease (Genotypes 1b, 3a and) Tj ETQq1 1 0.784314 rgBT 2014, 9, e104425.	2.5	15
32	Restraining the multidrug efflux transporter STY4874 of <i>Salmonella Typhi</i> by reserpine and plant extracts. <i>Letters in Applied Microbiology</i> , 2019, 69, 161-167.	2.2	15
33	In silico epitope prediction and immunogenic analysis for penton base epitope-focused vaccine against hydropericardium syndrome in chicken. <i>Virus Research</i> , 2019, 273, 197750.	2.2	15
34	Transcriptional regulation of drug resistance mechanisms in <i>Salmonella</i> : where we stand and what we need to know. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 85.	3.6	14
35	Mutational Diversity in the Quinolone Resistance-Determining Regions of Type-II Topoisomerases of <i>Salmonella</i> Serovars. <i>Antibiotics</i> , 2021, 10, 1455.	3.7	13
36	An Insight Into COVID-19: A 21st Century Disaster and Its Relation to Immunocompetence and Food Antioxidants. <i>Frontiers in Veterinary Science</i> , 2020, 7, 586637.	2.2	11

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37	Plant-Microbe Synergism in Floating Treatment Wetlands for the Enhanced Removal of Sodium Dodecyl Sulphate from Water. Sustainability, 2021, 13, 2883.	3.2	10
38	Simplest identification, O-specific polysaccharide purification and antigenic evaluation of Salmonella enterica serovar Typhi Vi negative isolate. EXCLI Journal, 2015, 14, 1078-84.	0.7	10
39	A bi-functional hepatitis B virus core antigen (HBcAg) chimera activates HBcAg-specific T cells and preS1-specific antibodies. Scandinavian Journal of Infectious Diseases, 2012, 44, 55-59.	1.5	9
40	Overexpression and characterization of the 100K protein of Fowl adenovirus-4 as an antiviral target. Virus Research, 2017, 238, 218-225.	2.2	9
41	PTR2/POT/NPF transporters: what makes them tick?. Advances in Protein Chemistry and Structural Biology, 2021, 123, 219-240.	2.3	9
42	Relationship among acidophilic bacteria from diverse environments as determined by randomly amplified polymorphic DNA analysis (RAPD). World Journal of Microbiology and Biotechnology, 2005, 21, 645-648.	3.6	8
43	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.	3.8	8
44	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.	4.1	6
45	Mass spectrometric analysis of lipid A obtained from the lipopolysaccharide of <i>Pasteurella multocida</i> . RSC Advances, 2020, 10, 30917-30933.	3.6	5
46	Over-expression and characterization of NS3 and NS5A of Hepatitis C virus genotype 3a. Microbial Cell Factories, 2013, 12, 111.	4.0	4
47	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.	2.0	4
48	Hesperidin identified from Citrus extracts potently inhibits HCV genotype 3a NS3 protease. BMC Complementary Medicine and Therapies, 2022, 22, 98.	2.7	4
49	Structural Biology Meets Drug Resistance: An Overview on Multidrug Resistance Transporters. Journal of the Indian Institute of Science, 2017, 97, 165-175.	1.9	3
50	First characterization of immunogenic conjugates of Vi negative Salmonella Typhi O-specific polysaccharides with rEPA protein for vaccine development. Journal of Immunological Methods, 2017, 450, 27-33.	1.4	3
51	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.	2.6	2
52	Expression, purification and characterization of human proton-coupled oligopeptide transporter 1 hPEPT1. Protein Expression and Purification, 2021, 190, 105990.	1.3	2
53	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.	3.6	1
54	Efforts for structural biology of membrane proteins in a SESAME member country. Acta Crystallographica Section A: Foundations and Advances, 2009, 65, s118-s118.	0.3	0