

Ebrahim Barzegari

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

659
citations

623188

14
h-index

610482

24
g-index

49
all docs

49
docs citations

49
times ranked

974
citing authors

#	ARTICLE	IF	CITATIONS
1	The use of artificial neural networks and multiple linear regression to predict rate of medical waste generation. <i>Waste Management</i> , 2009, 29, 2874-2879.	3.7	77
2	Novel two-stage hybrid neural discriminant model for predicting proteins structural classes. <i>Biophysical Chemistry</i> , 2007, 128, 87-93.	1.5	59
3	Prediction of membrane protein types by means of wavelet analysis and cascaded neural networks. <i>Journal of Theoretical Biology</i> , 2008, 254, 817-820.	0.8	49
4	Zeolite Nanoparticles Inhibit $\text{A}\beta$ Fibrinogen Interaction and Formation of a Consequent Abnormal Structural Clot. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30768-30779.	4.0	47
5	Immunoinformatic design of a COVID-19 subunit vaccine using entire structural immunogenic epitopes of SARS-CoV-2. <i>Scientific Reports</i> , 2020, 10, 20864.	1.6	44
6	Biomedical Applications of Zeolitic Nanoparticles, with an Emphasis on Medical Interventions. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 363-386.	3.3	34
7	New Biscoumarin Derivatives as Potent α -Glucosidase Inhibitors: Synthesis, Biological Evaluation, Kinetic Analysis, and Docking Study. <i>Polycyclic Aromatic Compounds</i> , 2020, 40, 915-926.	1.4	29
8	Sequence and structural parameters enhancing adaptation of proteins to low temperatures. <i>Journal of Theoretical Biology</i> , 2007, 246, 159-166.	0.8	25
9	Dissolving microneedle-assisted long-acting Liraglutide delivery to control type 2 diabetes and obesity. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 167, 106040.	1.9	24
10	Biomolecular Corona Dictates $\text{A}\beta$ Fibrillation Process. <i>ACS Chemical Neuroscience</i> , 2018, 9, 1725-1734.	1.7	23
11	Prevalent Mutations of Human Prion Protein: A Molecular Modeling and Molecular Dynamics Study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2011, 29, 379-389.	2.0	21
12	Molecular interaction of fibrinogen with zeolite nanoparticles. <i>Scientific Reports</i> , 2019, 9, 1558.	1.6	21
13	A combinatorial feature selection approach to describe the QSAR of dual site inhibitors of acetylcholinesterase. <i>Computers in Biology and Medicine</i> , 2009, 39, 1089-1095.	3.9	18
14	Structure-Based Screening to Discover New Inhibitors for Papain-like Proteinase of SARS-CoV-2: An <i>In Silico</i> Study. <i>Journal of Proteome Research</i> , 2021, 20, 1015-1026.	1.8	18
15	Elucidating the protein cold-adaptation: Investigation of the parameters enhancing protein psychrophilicity. <i>Journal of Theoretical Biology</i> , 2008, 255, 113-118.	0.8	14
16	Prediction of road traffic death rate using neural networks optimised by genetic algorithm. <i>International Journal of Injury Control and Safety Promotion</i> , 2015, 22, 153-157.	1.0	14
17	Prediction of future citations of a research paper from number of its internet downloads. <i>Medical Hypotheses</i> , 2007, 69, 458-459.	0.8	13
18	Quinazolinone-dihydropyrano[3,2-b]pyran hybrids as new α -glucosidase inhibitors: Design, synthesis, enzymatic inhibition, docking study and prediction of pharmacokinetic. <i>Bioorganic Chemistry</i> , 2021, 109, 104703.	2.0	12

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19	New quinoxalinâ€”1,3,4â€”oxadiazole derivatives: Synthesis, characterization, in vitro biological evaluations, and molecular modeling studies. <i>Archiv Der Pharmazie</i> , 2021, 354, e2000471.	2.1	12
20	Protein psychrophilicity: Role of residual structural properties in adaptation of proteins to low temperatures. <i>Journal of Theoretical Biology</i> , 2007, 248, 721-726.	0.8	11
21	Colon Cancer and Specific Ways to Deliver Drugs to the Large Intestine. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2017, 17, 1317-1327.	0.9	11
22	Predictions of Protein-Protein Interfaces within Membrane Protein Complexes. <i>Avicenna Journal of Medical Biotechnology</i> , 2013, 5, 148-57.	0.2	11
23	Terminal Peptide Extensions Augment the Retinal IMPDH1 Catalytic Activity and Attenuate the ATP-induced Fibrillation Events. <i>Cell Biochemistry and Biophysics</i> , 2021, 79, 221-229.	0.9	10
24	The functional impact of the C/N-terminal extensions of the mouse retinal IMPDH1 isoforms: a kinetic evaluation. <i>Molecular and Cellular Biochemistry</i> , 2020, 465, 155-164.	1.4	9
25	Design of Peptidomimetics for Inhibition of HER2 Receptor Dimerization by a Combination of Virtual Screening, MD Simulations, and QSAR <i>in Silico</i> Methods. <i>Chemical Biology and Drug Design</i> , 2013, 81, 455-462.	1.5	6
26	Mutation in a valine residue induces drastic changes in 3D structure of human prion protein. <i>Frontiers in Life Science: Frontiers of Interdisciplinary Research in the Life Sciences</i> , 2012, 6, 47-51.	1.1	5
27	The comparison of methods for measuring quality of hospital services by using neural networks: A case study in Iran (2012). <i>International Journal of Healthcare Management</i> , 2013, 6, 45-50.	1.2	5
28	Analysis of factors that induce cysteine bonding state. <i>Computers in Biology and Medicine</i> , 2009, 39, 332-339.	3.9	4
29	The Process of Patient Engagement in Outpatient Cardiac Rehabilitation Programs. <i>Behaviour Change</i> , 2019, 36, 233-251.	0.6	4
30	Interactions of insulin with tragacanthic acid biopolymer: Experimental and computational study. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 321-330.	3.6	4
31	Dental services marketing: A case of dental clinics in Iran. <i>International Journal of Healthcare Management</i> , 2012, 5, 12-18.	1.2	3
32	Affinity enhancement of HER2-binding Z(HER2:342) affibody via rational design approach: a molecular dynamics study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2014, 32, 1919-1928.	2.0	3
33	Heterologous expression, purification, and refolding of SRY protein: role of l-arginine as analyzed by simulation and practical study. <i>Molecular Biology Reports</i> , 2020, 47, 5943-5951.	1.0	3
34	Interactions of Bevacizumab with chitosan biopolymer nanoparticles: Molecular modeling and spectroscopic study. <i>Journal of Molecular Liquids</i> , 2021, 339, 116655.	2.3	3
35	Rational design of a new variant of Reteplase with optimized physicochemical profile and large-scale production in <i>Escherichia coli</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2022, 38, 29.	1.7	3
36	Insights into resistance mechanism of hepatitis C virus nonstructural 3/4A protease mutant to boceprevir using umbrella sampling simulation study. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 1938-1945.	2.0	2

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37	3D structure prediction, dynamic investigation and rational construction of an epitope-masked thermostable bovine hyaluronidase. <i>International Journal of Biological Macromolecules</i> , 2021, 187, 544-553.	3.6	2
38	Individuals'™ Intention to Engage in Outpatient Cardiac Rehabilitation Programs: Prediction Based on an Enhanced Model. <i>Journal of Clinical Psychology in Medical Settings</i> , 2021, 28, 798-807.	0.8	1
39	Nanozymes'™ An Overview. , 2021, , 15-28.		1
40	Combinatorial in silico and in vivo evaluation of immune response elicitation by the affibody ZHER2. <i>International Immunopharmacology</i> , 2021, 101, 108368.	1.7	1
41	The Impact of Socio-environmental Barriers on the Process of Engagement in Cardiac Rehabilitation Programs. <i>Behaviour Change</i> , 2020, 37, 130-150.	0.6	0
42	Factors Associated with Thyroid Dysfunction in Hypothyroidism-Endemic Region of Ravansar, 2017-2018: A Cross-Sectional Analysis. <i>Journal of Advances in Medical and Biomedical Research</i> , 2021, 29, 145-151.	0.1	0
43	A Review and Comparative Assessment of Machine Learning Approaches for Interaction Site Prediction in Membrane Proteins. <i>Current Bioinformatics</i> , 2015, 10, 284-291.	0.7	0