

Behnam Rasti

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

821
citations

643344

15
h-index

563245

28
g-index

37
all docs

37
docs citations

37
times ranked

1482
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on the therapeutic applications of aptamers and aptamer-conjugated nanoparticles in cancer, inflammatory and viral diseases. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103626.	2.3	15
2	Does ibuprofen affect the expression of alginate genes in pathogenic <i>Pseudomonas aeruginosa</i> strains?. <i>Folia Microbiologica</i> , 2022, , 1.	1.1	0
3	Ibuprofen involves with the reduced expression of pelD and pelF in pathogenic <i>Pseudomonas aeruginosa</i> strains. <i>Archives of Microbiology</i> , 2022, 204, 329.	1.0	3
4	Characteristics, dynamics and mechanisms of actions of some major stress-induced biomacromolecules; addressing <i>Artemia</i> as an excellent biological model. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 5619-5637.	2.0	3
5	A review on the cleavage priming of the spike protein on coronavirus by angiotensin-converting enzyme-2 and furin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 3025-3033.	2.0	230
6	Nanoporous iron oxide nanoparticle: hydrothermal fabrication, human serum albumin interaction and potential antibacterial effects. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 2595-2606.	2.0	14
7	A combined structure-based pharmacophore modeling and 3D-QSAR study on a series of N-heterocyclic scaffolds to screen novel antagonists as human DHFR inhibitors. <i>Structural Chemistry</i> , 2021, 32, 1571-1588.	1.0	1
8	Thermodynamic and anticancer properties of inorganic zinc oxide nanoparticles synthesized through co-precipitation method. <i>Journal of Molecular Liquids</i> , 2021, 330, 115602.	2.3	16
9	Reinforcing our defense or weakening the enemy? A comparative overview of defensive and offensive strategies developed to confront COVID-19. <i>Drug Metabolism Reviews</i> , 2021, 53, 508-541.	1.5	0
10	Inhibitory Potential of <i>Acroptilon repens</i> against Key Enzymes involved in Alzheimer and Diabetes, Phytochemical Profile, Radical Scavenging, and Antibacterial Activity. <i>Iranian Biomedical Journal</i> , 2021, 25, 21-32.	0.4	2
11	Antioxidant properties of gold nanozyme: A review. <i>Journal of Molecular Liquids</i> , 2020, 297, 112004.	2.3	56
12	Exploring the interaction of synthesized nickel oxide nanoparticles through hydrothermal method with hemoglobin and lymphocytes: Bio-thermodynamic and cellular studies. <i>Journal of Molecular Liquids</i> , 2020, 317, 113893.	2.3	16
13	Application of gelatin nanoconjugates as potential internal stimuli-responsive platforms for cancer drug delivery. <i>Journal of Molecular Liquids</i> , 2020, 318, 114053.	2.3	20
14	Structural insights into the origin of phosphoinositide 3-kinase inhibition. <i>Structural Chemistry</i> , 2020, 31, 1505-1522.	1.0	5
15	Exploring the Interaction of Cobalt Oxide Nanoparticles with Albumin, Leukemia Cancer Cells and Pathogenic Bacteria by Multispectroscopic, Docking, Cellular and Antibacterial Approaches. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 4607-4623.	3.3	24
16	Nanozyme-based sensing platforms for detection of toxic mercury ions: An alternative approach to conventional methods. <i>Talanta</i> , 2020, 215, 120939.	2.9	48
17	Silybin as a potent inhibitor of α -synuclein aggregation and associated cytotoxicity against neuroblastoma cells induced by zinc oxide nanoparticles. <i>Journal of Molecular Liquids</i> , 2020, 310, 113198.	2.3	16
18	New insights into the selective inhibition of the \hat{I}^2 -carbonic anhydrases of pathogenic bacteria <i>Burkholderia pseudomallei</i> and <i>Francisella tularensis</i> : a proteochemometrics study. <i>Molecular Diversity</i> , 2019, 23, 263-273.	2.1	6

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19	<p>The interaction of silica nanoparticles with catalase and human mesenchymal stem cells: biophysical, theoretical and cellular studies</p>. International Journal of Nanomedicine, 2019, Volume 14, 5355-5368.	3.3	6
20	The effect of aluminum oxide on red blood cell integrity and hemoglobin structure at nanoscale. International Journal of Biological Macromolecules, 2019, 138, 800-809.	3.6	14
21	Albumin binding, antioxidant and antibacterial effects of cerium oxide nanoparticles. Journal of Molecular Liquids, 2019, 296, 111839.	2.3	21
22	Design of pyrimidine-based scaffolds as potential anticancer agents for human DHFR: three-dimensional quantitative structureâ€“activity relationship by docking derived grid-independent descriptors. Journal of the Iranian Chemical Society, 2019, 16, 2365-2378.	1.2	1
23	Probing the origin of dihydrofolate reductase inhibition via proteochemometric modeling. Journal of Chemometrics, 2019, 33, e3090.	0.7	5
24	Biophysical, molecular dynamics and cellular studies on the interaction of nickel oxide nanoparticles with tau proteins and neuron-like cells. International Journal of Biological Macromolecules, 2019, 125, 778-784.	3.6	15
25	Nanozymes with intrinsic peroxidase-like activities. Journal of Molecular Liquids, 2019, 278, 130-144.	2.3	110
26	An inter-subunit disulfide bond of artemin acts as a redox switch for its chaperone-like activity. Cell Stress and Chaperones, 2018, 23, 685-693.	1.2	12
27	Proteochemometric modeling of the origin of thymidylate synthase inhibition. Chemical Biology and Drug Design, 2018, 91, 1007-1016.	1.5	8
28	Probing the interaction of zero valent iron nanoparticles with blood system by biophysical, docking, cellular, and molecular studies. International Journal of Biological Macromolecules, 2018, 109, 639-650.	3.6	21
29	Probing the chemical interaction space governed by 4-amino-substituted benzenesulfonamides and carbonic anhydrase isoforms. Research in Pharmaceutical Sciences, 2018, 13, 192.	0.6	5
30	Exploring the origin of phosphodiesterase inhibition via proteochemometric modeling. RSC Advances, 2017, 7, 28056-28068.	1.7	9
31	Proteochemometric Modeling of the Interaction Space of Carbonic Anhydrase and its Inhibitors: An Assessment of Structureâ€“based and Sequenceâ€“based Descriptors. Molecular Informatics, 2017, 36, 1600102.	1.4	12
32	Quantitative Characterization of the Interaction Space of the Mammalian Carbonic Anhydrase Isoforms I, <sc>II</sc>, <sc> VII</sc>, <sc> IX</sc>, <sc> XII</sc>, and <sc>XIV</sc> and their Inhibitors, Using the Proteochemometric Approach. Chemical Biology and Drug Design, 2016, 88, 341-353.	1.5	16
33	Deletion of extra C-terminal segment and its effect on the function and structure of artemin. International Journal of Biological Macromolecules, 2011, 49, 311-316.	3.6	15
34	Artemin as an Efficient Molecular Chaperone. Protein Journal, 2011, 30, 549-557.	0.7	20
35	Cloning, Sequencing, Expression and Structural Investigation of Mnemiopsin from Mnemiopsis leidyi: An Attempt Toward Understanding Ca ²⁺ -Regulated Photoproteins. Protein Journal, 2011, 30, 566-574.	0.7	39
36	Sequence and structural analysis of artemin based on ferritin: A comparative study. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 1407-1413.	1.1	17

#	ARTICLE	IF	CITATIONS
37	Quantitative Characterization of the Chemical Space Governed by Human Carbonic Anhydrases and selenium-containing derivatives of sulfonamides. Brazilian Journal of Pharmaceutical Sciences, 0, 58, .	1.2	0