Behnam Rasti

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4818664/publications.pdf Version: 2024-02-01



REHNAM PASTI

#	Article	IF	CITATIONS
1	A review on the therapeutic applications of aptamers and aptamer-conjugated nanoparticles in cancer, inflammatory and viral diseases. Arabian Journal of Chemistry, 2022, 15, 103626.	4.9	15
2	Does ibuprofen affect the expression of alginate genes in pathogenic Pseudomonas aeruginosa strains?. Folia Microbiologica, 2022, , 1.	2.3	0
3	Ibuprofen involves with the reduced expression of pelD and pelF in pathogenic Pseudomonas aeruginosa strains. Archives of Microbiology, 2022, 204, 329.	2.2	3
4	Characteristics, dynamics and mechanisms of actions of some major stress-induced biomacromolecules; addressing <i>Artemia</i> as an excellent biological model. Journal of Biomolecular Structure and Dynamics, 2021, 39, 5619-5637.	3.5	3
5	A review on the cleavage priming of the spike protein on coronavirus by angiotensin-converting enzyme-2 and furin. Journal of Biomolecular Structure and Dynamics, 2021, 39, 3025-3033.	3.5	230
6	Nanoporous iron oxide nanoparticle: hydrothermal fabrication, human serum albumin interaction and potential antibacterial effects. Journal of Biomolecular Structure and Dynamics, 2021, 39, 2595-2606.	3.5	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. Structural Chemistry, 2021, 32, 1571-1588.	2.0	1
8	Thermodynamic and anticancer properties of inorganic zinc oxide nanoparticles synthesized through co-precipitation method. Journal of Molecular Liquids, 2021, 330, 115602.	4.9	16
9	Reinforcing our defense or weakening the enemy? A comparative overview of defensive and offensive strategies developed to confront COVID-19. Drug Metabolism Reviews, 2021, 53, 508-541.	3.6	0
10	Inhibitory Potential of Acroptilon repens against Key Enzymes involved in Alzheimer and Diabetes, Phytochemical Profile, Radical Scavenging, and Antibacterial Activity. Iranian Biomedical Journal, 2021, 25, 21-32.	0.7	2
11	Antioxidant properties of gold nanozyme: A review. Journal of Molecular Liquids, 2020, 297, 112004.	4.9	56
12	Exploring the interaction of synthesized nickel oxide nanoparticles through hydrothermal method with hemoglobin and lymphocytes: Bio-thermodynamic and cellular studies. Journal of Molecular Liquids, 2020, 317, 113893.	4.9	16
13	Application of gelatin nanoconjugates as potential internal stimuli-responsive platforms for cancer drug delivery. Journal of Molecular Liquids, 2020, 318, 114053.	4.9	20
14	Structural insights into the origin of phosphoinositide 3-kinase inhibition. Structural Chemistry, 2020, 31, 1505-1522.	2.0	5
15	<p>Exploring the Interaction of Cobalt Oxide Nanoparticles with Albumin, Leukemia Cancer Cells and Pathogenic Bacterial by Multispectroscopic, Docking, Cellular and Antibacterial Approaches</p> . International Journal of Nanomedicine, 2020, Volume 15, 4607-4623.	6.7	24
16	Nanozyme-based sensing platforms for detection of toxic mercury ions: An alternative approach to conventional methods. Talanta, 2020, 215, 120939.	5.5	48
17	Silybin as a potent inhibitor of a-synuclein aggregation and associated cytotoxicity against neuroblastoma cells induced by zinc oxide nanoparticles. Journal of Molecular Liquids, 2020, 310, 113198.	4.9	16
18	New insights into the selective inhibition of the β-carbonic anhydrases of pathogenic bacteria Burkholderia pseudomallei and Francisella tularensis: a proteochemometrics study. Molecular Diversity, 2019, 23, 263-273.	3.9	6

Behnam Rasti

#	Article	IF	CITATIONS
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.	6.7	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.	7.5	14
21	Albumin binding, antioxidant and antibacterial effects of cerium oxide nanoparticles. Journal of Molecular Liquids, 2019, 296, 111839.	4.9	21
22	Design of pyrimidine-based scaffolds as potential anticancer agents for human DHFR: three-dimensional quantitative structure–activity relationship by docking derived grid-independent descriptors. Journal of the Iranian Chemical Society, 2019, 16, 2365-2378.	2.2	1
23	Probing the origin of dihydrofolate reductase inhibition via proteochemometric modeling. Journal of Chemometrics, 2019, 33, e3090.	1.3	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.	7.5	15
25	Nanozymes with intrinsic peroxidase-like activities. Journal of Molecular Liquids, 2019, 278, 130-144.	4.9	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.	2.9	12
27	Proteochemometric modeling of the origin of thymidylate synthase inhibition. Chemical Biology and Drug Design, 2018, 91, 1007-1016.	3.2	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.	7.5	21
29	Probing the chemical interaction space governed by 4-amino-substituted benzenesulfonamides and carbonic anhydrase isoforms. Research in Pharmaceutical Sciences, 2018, 13, 192.	1.8	5
30	Exploring the origin of phosphodiesterase inhibition via proteochemometric modeling. RSC Advances, 2017, 7, 28056-28068.	3.6	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.	2.5	12
32	Quantitative Characterization of the Interaction Space of the Mammalian Carbonic Anhydrase Isoforms I, <scp>II</scp> , <scp> VII</scp> , <scp> IX</scp> , XII, and <scp>XIV</scp> and their Inhibitors, Using the Proteochemometric Approach. Chemical Biology and Drug Design, 2016, 88, 341-353.	3.2	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.	7.5	15
34	Artemin as an Efficient Molecular Chaperone. Protein Journal, 2011, 30, 549-557.	1.6	20
35	Cloning, Sequencing, Expression and Structural Investigation of Mnemiopsin from Mnemiopsis leidyi: An Attempt Toward Understanding Ca2+-Regulated Photoproteins. Protein Journal, 2011, 30, 566-574. –	1.6	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.	2.3	17

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