

vahab Jafarian

List of Publications by Year in descending order

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34
papers

344
citations

840585

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36
all docs

36
docs citations

36
times ranked

417
citing authors

#	ARTICLE	IF	CITATIONS
1	Longer characteristic wavelength in a novel engineered photoprotein Mnemiopsin 2. <i>Photochemical and Photobiological Sciences</i> , 2022, , 1.	1.6	1
2	Comparing similar versions of a connecting helix on the structure of Chondroitinase ABC I. <i>Enzyme and Microbial Technology</i> , 2022, 160, 110073.	1.6	1
3	Decorations of graphene oxide with cisplatin toward investigation of fluorescence quencher on regulatory sequence of BRCA1 and BRCA2. <i>Journal of the Iranian Chemical Society</i> , 2020, 17, 127-134.	1.2	1
4	Polarity change of a representative helix in coelenterazin-binding cavity of mnemiopsin 2: Functional and structural consequences. <i>Journal of Molecular Structure</i> , 2020, 1202, 127279.	1.8	1
5	An evolution-based designing and characterization of mutants of cyclomaltodextrinase: Molecular modeling and spectroscopic studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118055.	2.0	0
6	Bioinformatics and experimental studies on the structural roles of a surface-exposed α -helix at the C-terminal domain of Chondroitinase ABC I. <i>International Journal of Biological Macromolecules</i> , 2020, 163, 1572-1578.	3.6	2
7	Determination and evaluation of secondary structure content derived from calcium-induced conformational changes in wild-type and mutant mnemiopsin 2 by synchrotron-based Fourier-transform infrared spectroscopy. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2020, 1868, 140528.	1.1	1
8	Fabrication and Antibacterial Properties of Silver/Graphite Oxide/Chitosan and Silver/Reduced Graphene Oxide/Chitosan Nanocomposites. <i>Jom</i> , 2020, 72, 4477-4485.	0.9	12
9	Methyl jasmonate improves physiological and biochemical responses of <i>Anchusa italica</i> under salinity stress. <i>South African Journal of Botany</i> , 2020, 130, 375-382.	1.2	21
10	Improved expression of recombinant sweet-tasting brazzein using codon optimization and host change as new strategies. <i>Food Biotechnology</i> , 2020, 34, 62-76.	0.6	3
11	Genetic and Biochemical Characterization of a Novel Thermostable Cyclomaltodextrinase From <i>Anoxybacillus flavithermus</i> . <i>Starch/Staerke</i> , 2019, 71, 1800133.	1.1	5
12	New molecular record and some biochemical features of the rare plant species of Iranian lily (<i>Lilium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.7	2
13	Structural and functional consequences of replacement of His403 with Arg near the catalytic site of <i>Anoxybacillus flavithermus</i> cyclomaltodextrinase. <i>Enzyme and Microbial Technology</i> , 2019, 131, 109421.	1.6	3
14	Designing and construction of novel variants of Chondroitinase ABC I to reduce aggregation rate. <i>Archives of Biochemistry and Biophysics</i> , 2019, 668, 46-53.	1.4	6
15	Reconstruction of a genome-scale metabolic model for <i>Auxenochlorella protothecoides</i> to study hydrogen production under anaerobiosis using multiple optimal solutions. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 2580-2591.	3.8	8
16	Hyaluronic acid production enhancement via genetically modification and culture medium optimization in <i>Lactobacillus acidophilus</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 121, 870-881.	3.6	31
17	Immobilized WO ₃ nanoparticles on graphene oxide as a photo-induced antibacterial agent against UV-resistant <i>Bacillus pumilus</i> . <i>Journal Physics D: Applied Physics</i> , 2018, 51, 145403.	1.3	17
18	Heat shock protein 70 modulates neural progenitor cells dynamics in human neuroblastoma SHâ€šY5Y cells exposed to high glucose content. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 6482-6491.	1.2	6

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19	Negative net charge of EF-hand loop I can affect both calcium sensitivity and substrate binding pattern in mnemiopsin 2. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 807-814.	1.6	7
20	Molecular mechanisms governing the evolutionary conservation of Glycine in the 6th position of loops $\hat{I}^{TM}\hat{I}^{TM}\hat{I}^{TM}$ and $\hat{I}^{TM}V$ in photoprotein mnemiopsin 2. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2018, 187, 18-24.	1.7	5
21	Structural and functional consequences of EF-hand I recovery in mnemiopsin 2. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 2006-2013.	3.6	5
22	Ecological and phytochemical attributes of endemic <i>Ferula gummosa</i> Boiss. at vegetative and generative stages. <i>Biyokimya Dergisi</i> , 2018, 43, 393-402.	0.1	1
23	FLOWER INITIATION AND DEVELOPMENT IN ENDEMIC IRANIAN LILY (<i>Lilium ledebourii</i> Boiss.). <i>Acta Scientiarum Polonorum, Hortorum Cultus</i> , 2018, 17, 105-113.	0.3	1
24	A unique metallothionein-engineered in <i>Escherichia coli</i> for biosorption of lead, zinc, and cadmium; absorption or adsorption?. <i>Microbiology</i> , 2017, 86, 73-81.	0.5	29
25	Investigating the structural and functional features of representative recombinants of chondroitinase ABC I. <i>Enzyme and Microbial Technology</i> , 2017, 107, 64-71.	1.6	7
26	Antioxidant activity of <i>Chelidonium majus</i> extract at phenological stages. <i>Applied Biological Chemistry</i> , 2017, 60, 497-503.	0.7	15
27	Structural features and activity of Brazzein and its mutants upon substitution of a surfaced exposed alanine. <i>Biochimie</i> , 2016, 131, 20-28.	1.3	15
28	Optimization of conformational stability and catalytic efficiency in chondroitinase ABC \hat{I}^{TM} by protein engineering methods. <i>Engineering in Life Sciences</i> , 2016, 16, 690-696.	2.0	13
29	The effect of charge alteration and flexibility on the function and structural stability of sweet-tasting brazzein. <i>RSC Advances</i> , 2016, 6, 59834-59841.	1.7	6
30	A unique EF-hand motif in mnemiopsin photoprotein from <i>Mnemiopsis leidyi</i> : Implication for its low calcium sensitivity. <i>Biochemical and Biophysical Research Communications</i> , 2011, 413, 164-170.	1.0	28
31	Cloning, Sequencing, Expression and Structural Investigation of Mnemiopsin from <i>Mnemiopsis leidyi</i> : An Attempt Toward Understanding Ca^{2+} -Regulated Photoproteins. <i>Protein Journal</i> , 2011, 30, 566-574.	0.7	39
32	Response of salivary peroxidase to exercise intensity. <i>European Journal of Applied Physiology</i> , 2010, 108, 1233-1237.	1.2	17
33	Inhibition of horseradish peroxidase by thiol type inhibitors: Mercaptoethanol and mercaptoacetic acid. <i>Journal of Molecular Liquids</i> , 2006, 128, 175-177.	2.3	7
34	Inhibition of horseradish peroxidase activity by thiol type inhibitors. <i>Journal of Molecular Liquids</i> , 2006, 123, 20-23.	2.3	27