vahab Jafarian

List of Publications by Year
in descending order

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34 papers	344 citations	840585 11 h-index	887953 17 g-index
36 all docs	36 docs citations	36 times ranked	417 citing authors

#	Article	IF	Citations
1	Cloning, Sequencing, Expression and Structural Investigation of Mnemiopsin from Mnemiopsis leidyi: An Attempt Toward Understanding Ca2+-Regulated Photoproteins. Protein Journal, 2011, 30, 566-574.	0.7	39
2	Hyaluronic acid production enhancement via genetically modification and culture medium optimization in Lactobacillus acidophilus. International Journal of Biological Macromolecules, 2019, 121, 870-881.	3.6	31
3	A unique metallothionein-engineered in Escherichia coli for biosorption of lead, zinc, and cadmium; absorption or adsorption?. Microbiology, 2017, 86, 73-81.	0.5	29
4	A unique EF-hand motif in mnemiopsin photoprotein from Mnemiopsis leidyi: Implication for its low calcium sensitivity. Biochemical and Biophysical Research Communications, 2011, 413, 164-170.	1.0	28
5	Inhibition of horseradish peroxidase activity by thiol type inhibitors. Journal of Molecular Liquids, 2006, 123, 20-23.	2.3	27
6	Methyl jasmonate improves physiological and biochemical responses of Anchusa italica under salinity stress. South African Journal of Botany, 2020, 130, 375-382.	1.2	21
7	Response of salivary peroxidase to exercise intensity. European Journal of Applied Physiology, 2010, 108, 1233-1237.	1.2	17
8	Immobilized WO₃nanoparticles on graphene oxide as a photo-induced antibacterial agent against UV-resistantBacillus pumilus. Journal Physics D: Applied Physics, 2018, 51, 145403.	1.3	17
9	Structural features and activity of Brazzein and its mutants upon substitution of a surfaced exposed alanine. Biochimie, 2016, 131, 20-28.	1.3	15
10	Antioxidant activity of Chelidonium majus extract at phenological stages. Applied Biological Chemistry, 2017, 60, 497-503.	0.7	15
11	Optimization of conformational stability and catalytic efficiency in chondroitinase ABC Î™ by protein engineering methods. Engineering in Life Sciences, 2016, 16, 690-696.	2.0	13
12	Fabrication and Antibacterial Properties of Silver/Graphite Oxide/Chitosan and Silver/Reduced Graphene Oxide/Chitosan Nanocomposites. Jom, 2020, 72, 4477-4485.	0.9	12
13	Reconstruction of a genome-scale metabolic model for Auxenochlorella protothecoides to study hydrogen production under anaerobiosis using multiple optimal solutions. International Journal of Hydrogen Energy, 2019, 44, 2580-2591.	3.8	8
14	Inhibition of horseradish peroxidase by thiol type inhibitors: Mercaptoethanol and mercaptoacetic acid. Journal of Molecular Liquids, 2006, 128, 175-177.	2.3	7
15	Investigating the structural and functional features of representative recombinants of chondroitinase ABC I. Enzyme and Microbial Technology, 2017, 107, 64-71.	1.6	7
16	Negative net charge of EF-hand loop I can affect both calcium sensitivity and substrate binding pattern in mnemiopsin 2. Photochemical and Photobiological Sciences, 2018, 17, 807-814.	1.6	7
17	The effect of charge alteration and flexibility on the function and structural stability of sweet-tasting brazzein. RSC Advances, 2016, 6, 59834-59841.	1.7	6
18	Heat shock protein 70 modulates neural progenitor cells dynamics in human neuroblastoma SHâ€5Y5Y cells exposed to high glucose content. Journal of Cellular Biochemistry, 2018, 119, 6482-6491.	1.2	6

#	ARTICLE	IF	CITATIONS
19	Designing and construction of novel variants of Chondroitinase ABC I to reduce aggregation rate. Archives of Biochemistry and Biophysics, 2019, 668, 46-53.	1.4	6
20	Molecular mechanisms governing the evolutionary conservation of Glycine in the 6th position of loops Î™Î™Î™ and Î™V in photoprotein mnemiopsin 2. Journal of Photochemistry and Photobiology B: Biology, 2018, 187, 18-24.	1.7	5
21	Structural and functional consequences of EF-hand I recovery in mnemiopsin 2. International Journal of Biological Macromolecules, 2018, 118, 2006-2013.	3.6	5
22	Genetic and Biochemical Characterization of a Novel Thermostable Cyclomaltodextrinase From Anoxybacillus flavithermus. Starch/Staerke, 2019, 71, 1800133.	1.1	5
23	Structural and functional consequences of replacement of His403 with Arg near the catalytic site of Anoxybacillus flavithermus cyclomaltodextrinase. Enzyme and Microbial Technology, 2019, 131, 109421.	1.6	3
24	Improved expression of recombinant sweet-tasting brazzein using codon optimization and host change as new strategies. Food Biotechnology, 2020, 34, 62-76.	0.6	3
25	New molecular record and some biochemical features of the rare plant species of Iranian lily (Lilium) Tj ETQq1 1 0.784314 rgBT /Overl	0.7	2
26	Bioinformatics and experimental studies on the structural roles of a surface-exposed Î±-helix at the C-terminal domain of Chondroitinase ABC I. International Journal of Biological Macromolecules, 2020, 163, 1572-1578.	3.6	2
27	Decorations of graphene oxide with cisplatin toward investigation of fluorescence quencher on regulatory sequence of BRCA1 and BRCA2. Journal of the Iranian Chemical Society, 2020, 17, 127-134.	1.2	1
28	Polarity change of a representative helix in coelenterazin-binding cavity of mnemiopsin 2: Functional and structural consequences. Journal of Molecular Structure, 2020, 1202, 127279.	1.8	1
29	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. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2020, 1868, 140528.	1.1	1
30	Ecological and phytochemical attributes of endemic Ferula gummosa Boiss. at vegetative and generative stages. Biyokimya Dergisi, 2018, 43, 393-402.	0.1	1
31	FLOWER INITIATION AND DEVELOPMENT IN ENDEMIC IRANIAN LILY (Lilium ledebourii Boiss.). Acta Scientiarum Polonorum, Hortorum Cultus, 2018, 17, 105-113.	0.3	1
32	Longer characteristic wavelength in a novel engineered photoprotein Mnemiopsin 2. Photochemical and Photobiological Sciences, 2022, , 1.	1.6	1
33	Comparing similar versions of a connecting helix on the structure of Chondroitinase ABC I. Enzyme and Microbial Technology, 2022, 160, 110073.	1.6	1
34	An evolution-based designing and characterization of mutants of cyclomaltodextrinase: Molecular modeling and spectroscopic studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 230, 118055.	2.0	0