Yahya Sefidbakht

List of Publications by Year
in descending order

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34 papers	540 citations	687220 13 h-index	677027 22 g-index
35 all docs	35 docs citations	35 times ranked	703 citing authors

#	Article	IF	Citations
1	Chemical Recycling of PET Wastes with Different Catalysts. International Journal of Polymer Science, 2015, 2015, 1-11.	1.2	103
2	Hydroxyapatite as a biomaterial â€“ a gift that keeps on giving. Drug Development and Industrial Pharmacy, 2020, 46, 1035-1062.	0.9	64
3	Micellar histidinate hematin complex as an artificial peroxidase enzyme model: Voltammetric and spectroscopic investigations. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2008, 320, 213-221.	2.3	36
4	Structure and Stability Analysis of Cytotoxic Complex of Camel Î±-Lactalbumin and Unsaturated Fatty Acids Produced at High Temperature. Journal of Biomolecular Structure and Dynamics, 2011, 28, 919-928.	2.0	30
5	Effects of 940 MHz EMF on bioluminescence and oxidative response of stable luciferase producing HEK cells. Photochemical and Photobiological Sciences, 2014, 13, 1082-1092.	1.6	29
6	Comparative molecular dynamics study of the receptor-binding domains in SARS-CoV-2 and SARS-CoV and the effects of mutations on the binding affinity. Journal of Biomolecular Structure and Dynamics, 2022, 40, 4662-4681.	2.0	26
7	Cytochrome c in sodium dodecyl sulfate reverse micelle nanocage: From a classic electron carrier protein to an artificial peroxidase enzyme. Biochemical Engineering Journal, 2010, 49, 89-94.	1.8	25
8	The effect of non-thermal atmospheric plasma on the production and activity of recombinant phytase enzyme. Scientific Reports, 2018, 8, 16647.	1.6	24
9	Colloidal graphene oxide enhances the activity of a lipase and protects it from oxidative damage: Insights from physicochemical and molecular dynamics investigations. Journal of Colloid and Interface Science, 2020, 567, 285-299.	5.0	19
10	Effects of 940â€‰MHz EMF on luciferase solution: Structure, function, and dielectric studies. Bioelectromagnetics, 2013, 34, 489-498.	0.9	15
11	Caseoperoxidase, mixed Î²-caseinâ€“SDSâ€“heminâ€“imidazole complex: a nano artificial enzyme. Journal of Biomolecular Structure and Dynamics, 2015, 33, 2619-2632.	2.0	15
12	Hydroxyapatite for Biomedicine and Drug Delivery. Advanced Structured Materials, 2019, , 85-120.	0.3	14
13	Doxorubicin-loaded, pH-sensitive Albumin Nanoparticles for Lung Cancer Cell Targeting. Journal of Pharmaceutical Sciences, 2022, 111, 1187-1196.	1.6	14
14	Homology modeling and molecular dynamics study on Schwanniomyces occidentalis alpha-amylase. Journal of Biomolecular Structure and Dynamics, 2017, 35, 574-584.	2.0	13
15	Insights into the structural peculiarities of the N-terminal and receptor binding domains of the spike protein from the SARS-CoV-2 Omicron variant. Computers in Biology and Medicine, 2022, 147, 105735.	3.9	13
16	Tracking the pipeline: immunoinformatics and the COVID-19 vaccine design. Briefings in Bioinformatics, 2021, 22, .	3.2	12
17	Enantioseparation of mandelic acid on vancomycin column: Experimental and docking study. Chirality, 2020, 32, 1289-1298.	1.3	10
18	Effect of size and chemical composition of graphene oxide nanoparticles on optical absorption cross-section. Journal of Biomedical Optics, 2018, 23, 1.	1.4	9

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19	Microperoxidase-11/NH2-FSM16 as a H2O2-resistant heterogeneous nanobiocatalyst: a suicide-inactivation study. Journal of the Iranian Chemical Society, 2012, 9, 121-128.	1.2	7
20	Recombinant Acetylcholinesterase purification and its interaction with silver nanoparticle. Protein Expression and Purification, 2017, 136, 58-65.	0.6	7
21	Antibacterial and molecular dynamics study of the Dolabellanin B2 isolated from sea slug, Peronia peronii. Biosciences, Biotechnology Research Asia, 2015, 12, 2023-2035.	0.2	7
22	Exploration of potential inhibitors for SARSâ€CoVâ€2 Mpro considering its mutants via structureâ€based drug design, molecular docking, MD simulations, MM/PBSA, and DFT calculations. Biotechnology and Applied Biochemistry, 2023, 70, 439-457.	1.4	7
23	An isolate of Potato Virus X capsid protein from N. benthamiana: Insights from homology modeling and molecular dynamics simulation. International Journal of Biological Macromolecules, 2018, 116, 939-946.	3.6	6
24	Design, development and evaluation of PEGylated rhGH with preserving its bioactivity at highest level after modification. International Journal of Pharmaceutics, 2019, 557, 9-17.	2.6	6
25	How is the Effect of Silver Nanoparticles and Lipase/Cellulase Enzymes on Each Other?. Iranian Journal of Science and Technology, Transaction A: Science, 2020, 44, 27-35.	0.7	5
26	Continuous fast Fourier transforms cyclic voltammetry as a new approach for investigation of skim milk k-casein proteolysis, a comparative study. International Journal of Biological Macromolecules, 2017, 103, 972-977.	3.6	4
27	Theranostic applications of stimulus-responsive systems based on carbon dots. International Journal of Polymeric Materials and Polymeric Biomaterials, 2021, 70, 117-130.	1.8	4
28	Molecular dynamics and intrinsic disorder analysis of the SARS-CoV-2 Nsp1 structural changes caused by substitution and deletion mutations. Molecular Simulation, 2022, 48, 1192-1201.	0.9	4
29	Optical sampling depth in the spatial frequency domain. Journal of Biomedical Optics, 2018, 23, 1.	1.4	3
30	Radioprotective Role of Vitamins C and E against the Gamma Ray-Induced Damage to the Chemical Structure of Bovine Serum Albumin. Antioxidants, 2021, 10, 1875.	2.2	3
31	Graphite/gold nanoparticles electrode for direct protein attachment: characterization and gas sensing application. Environmental Science and Pollution Research, 2020, 27, 43202-43211.	2.7	2
32	The Main Protease of SARS COV-2 and Its Specific Inhibitors. , 2021, , 121-147.		2
33	Development and characterization of a thermostable GH11/GH10 xylan degrading chimeric enzyme. Enzyme and Microbial Technology, 2021, 149, 109854.	1.6	2
34	Structure of SARS-CoV-2 Proteins. , 2021, , 91-120.		0