

Sadegh Farhadian

List of Publications by Year in descending order

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67
papers

1,601
citations

185998

28
h-index

360668

35
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68
all docs

68
docs citations

68
times ranked

472
citing authors

#	ARTICLE	IF	CITATIONS
1	The influence of Cadaverine on the structure, stability, and activity of acid phosphatase. <i>Journal of Molecular Structure</i> , 2022, 1247, 131372.	1.8	5
2	Structural insights into the binding behavior of NiO with myoglobin. <i>Journal of Molecular Liquids</i> , 2022, 347, 117999.	2.3	4
3	Exploring the structural basis of conformational alterations of myoglobin in the presence of spermine through computational modeling, molecular dynamics simulations, and spectroscopy methods. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 3581-3594.	2.0	11
4	The interaction of xylitol with carboxypeptidase A: The influence of xylitol on enzyme structure and activity. <i>Journal of Molecular Structure</i> , 2022, 1250, 131877.	1.8	3
5	Malachite Green, the hazardous materials that can bind to Apo-transferrin and change the iron transfer. <i>International Journal of Biological Macromolecules</i> , 2022, 194, 790-799.	3.6	32
6	Structural insights into the binding behavior of flavonoids naringenin with Human Serum Albumin. <i>Journal of Molecular Liquids</i> , 2022, 349, 118431.	2.3	14
7	Identification of SARS-CoV-2 surface therapeutic targets and drugs using molecular modeling methods for inhibition of the virus entry. <i>Journal of Molecular Structure</i> , 2022, 1256, 132488.	1.8	11
8	Study on the interaction of ethylene glycol with trypsin: Binding ability, activity, and stability. <i>Journal of Molecular Liquids</i> , 2022, 350, 118542.	2.3	17
9	A comparative study of the interaction of naringenin with lysozyme by multi-spectroscopic methods, activity comparisons, and molecular modeling procedures. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 271, 120931.	2.0	8
10	Insight of the interaction of Naphthol yellow S with trypsin: experimental and computational techniques. <i>Journal of the Iranian Chemical Society</i> , 2022, 19, 2871-2882.	1.2	6
11	Multi spectroscopy and molecular modeling aspects related to drug interaction of aspirin with alpha chymotrypsin; structural change and protease activity. <i>Journal of Molecular Liquids</i> , 2022, 352, 118698.	2.3	12
12	Structural change of myoglobin structure after binding with spermidine. <i>Journal of Molecular Liquids</i> , 2022, 352, 118691.	2.3	16
13	The effect of putrescine on the lysozyme activity and structure: Spectroscopic approaches and molecular dynamic simulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 213, 112402.	2.5	5
14	Noncovalent interactions between Quinoline yellow and trypsin: In vitro and in silico methods. <i>Journal of Molecular Liquids</i> , 2022, 353, 118826.	2.3	15
15	The interactions between Reactive Black 5 and human serum albumin: combined spectroscopic and molecular dynamics simulation approaches. <i>Environmental Science and Pollution Research</i> , 2022, 29, 70114-70124.	2.7	8
16	Insight into the binding behavior, structure, and thermal stability properties of β -lactoglobulin/Amoxicillin complex in a neutral environment. <i>Food Hydrocolloids</i> , 2022, 133, 107830.	5.6	13
17	Food additive dye-lysozyme complexation: Determination of binding constants and binding sites by fluorescence spectroscopy and modeling methods. <i>Journal of Molecular Liquids</i> , 2022, 363, 119749.	2.3	14
18	Binding parameters and molecular dynamics of Trypsin-Acid Yellow 17 complexation as a function of concentration. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 281, 121589.	2.0	8

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19	Experimental and theoretical investigations on the interaction of glucose molecules with myoglobin in the aqueous solution using theoretical and experimental methods. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 6384-6395.	2.0	28
20	The effect of putrescine on stability and structural properties of bovine serum albumin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2021, 39, 254-262.	2.0	1
21	Interaction of reactive Red195 with human serum albumin: Determination of the binding mechanism and binding site by spectroscopic and molecular modeling methods. <i>Journal of Molecular Liquids</i> , 2021, 327, 114835.	2.3	41
22	A novel insight into the cytotoxic effects of Tephrosin with calf thymus DNA: Experimental and in silico approaches. <i>Journal of Molecular Liquids</i> , 2021, 324, 114728.	2.3	19
23	An insight into the interaction between malachite green oxalate with human serum albumin: Molecular dynamic simulation and spectroscopic approaches. <i>Journal of Hazardous Materials</i> , 2021, 407, 124878.	6.5	60
24	The interaction of the green tea polyphenol (catechin) with pepsin: Insights from spectroscopic to molecular dynamics studies. <i>Journal of Molecular Liquids</i> , 2021, 326, 115196.	2.3	30
25	The effect of sorbitol on the structure and activity of carboxypeptidase A: Insights from a spectroscopic and computational approach. <i>Journal of Molecular Liquids</i> , 2021, 330, 115710.	2.3	27
26	Effect of Naphthol yellow S as a food dye on the lysozyme structure and its mechanisms of action. <i>Journal of Molecular Liquids</i> , 2021, 332, 115846.	2.3	34
27	A comparative study of structural and dynamical properties of bovine serum albumin in the presence of spermine. <i>Journal of Molecular Liquids</i> , 2021, 332, 115853.	2.3	7
28	Evaluation of interaction between citrus flavonoid, naringenin, and pepsin using spectroscopic analysis and docking simulation. <i>Journal of Molecular Liquids</i> , 2021, 339, 116763.	2.3	37
29	Insights into the binding mechanism of Putrescine on α -amylase by multiple spectroscopic techniques and molecular docking. <i>Journal of Molecular Structure</i> , 2021, 1242, 130702.	1.8	12
30	Evaluation of interactions between food colorant, tartrazine, and Apo-transferrin using spectroscopic analysis and docking simulation. <i>Journal of Molecular Liquids</i> , 2021, 339, 116715.	2.3	36
31	Characterizing the binding affinity and molecular interplay between quinoline yellow and pepsin. <i>Journal of Molecular Liquids</i> , 2021, 341, 117317.	2.3	35
32	Deciphering the DNA-binding affinity, cytotoxicity and apoptosis induce as the anticancer mechanism of Bavachinin: An experimental and computational investigation. <i>Journal of Molecular Liquids</i> , 2021, 341, 117373.	2.3	17
33	Molecular aspects of the interaction of acid phosphatase with TiO ₂ nanoparticles: Kinetic and multispectroscopic studies. <i>Journal of Molecular Structure</i> , 2021, 1245, 131268.	1.8	2
34	Comparative studies on the interaction of ascorbic acid with gastric enzyme using multispectroscopic and docking methods. <i>Journal of Molecular Structure</i> , 2021, 1245, 131270.	1.8	20
35	Evaluation of the effect of MnFe ₂ O ₄ nanoparticles on the activity parameters and stability of acid phosphatase. <i>Monatshefte für Chemie</i> , 2021, 152, 175-184.	0.9	2
36	Investigation on the interaction behavior between safranal and pepsin by spectral and MD simulation studies. <i>Journal of Molecular Liquids</i> , 2021, 344, 117903.	2.3	14

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37	The interaction between the azo dye tartrazine and β -Chymotrypsin enzyme: Molecular dynamics simulation and multi-spectroscopic investigations. <i>Journal of Molecular Liquids</i> , 2021, 344, 117931.	2.3	7
38	Spermine as a possible endogenous allosteric activator of carboxypeptidase A: multispectroscopic and molecular simulation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 101-113.	2.0	30
39	Spermine as a porcine pancreatic elastase activator: spectroscopic and molecular simulation studies. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 78-88.	2.0	9
40	Investigating the interaction of porcine pancreatic elastase and propanol: A spectroscopy and molecular simulation study. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 687-691.	3.6	34
41	Characterization of osmolyte-enzyme interactions using different spectroscopy and molecular dynamic techniques: Binding of sucrose to proteinase K. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 1250-1258.	3.6	10
42	The interaction of Naphthol Yellow S (NYS) with pepsin: Insights from spectroscopic to molecular dynamics studies. <i>International Journal of Biological Macromolecules</i> , 2020, 165, 1842-1851.	3.6	50
43	Investigation on the interaction of acid phosphatase with putrescine using docking, simulations methods and multispectroscopic techniques. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 90-101.	3.6	37
44	The modifier action of NiO nanoparticles on the activity, structure, and stability of proteinase K. <i>Monatshefte für Chemie</i> , 2020, 151, 429-437.	0.9	3
45	Insight into the binding of glycerol with myoglobin: Spectroscopic and MD simulation approach. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 433-443.	3.6	35
46	Noncovalent interactions of bovine trypsin with curcumin and effect on stability, structure, and function. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110287.	2.5	38
47	Making bovine trypsin more stable and active by Erythritol: A multispectroscopic analysis, docking and computational simulation methods. <i>Journal of Molecular Liquids</i> , 2019, 292, 111389.	2.3	30
48	Design, synthesis, and anti-gastric cancer activity of novel 2,5-diketopiperazine. <i>Journal of Molecular Liquids</i> , 2019, 294, 111585.	2.3	36
49	Effect of free L-cysteine on the structure and function of β -chymotrypsin. <i>Journal of Molecular Liquids</i> , 2019, 280, 79-86.	2.3	37
50	Structural characterization of β -chymotrypsin after binding to curcumin: Spectroscopic and computational analysis of their binding mechanism. <i>Journal of Molecular Liquids</i> , 2019, 289, 111111.	2.3	51
51	Investigation on the structure and function of porcine pancreatic elastase (PPE) under the influence of putrescine: A spectroscopy and molecular simulation study. <i>Journal of Molecular Liquids</i> , 2019, 289, 111115.	2.3	11
52	A molecular investigation into the interaction of SiO ₂ nanoparticles with elastase by multispectroscopic techniques and kinetic studies. <i>International Journal of Biological Macromolecules</i> , 2019, 134, 216-222.	3.6	6
53	Spectroscopic and molecular docking studies on the interaction between spermidine and pancreatic elastase. <i>International Journal of Biological Macromolecules</i> , 2019, 131, 473-483.	3.6	39
54	Experimental and theoretical investigations on the interaction of l-methionine molecules with β -chymotrypsin in the aqueous solution using various methods. <i>International Journal of Biological Macromolecules</i> , 2019, 131, 548-556.	3.6	39

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55	Evaluation of maltose binding to proteinase K: Insights from spectroscopic and computational approach. <i>Journal of Molecular Liquids</i> , 2019, 280, 1-10.	2.3	10
56	Evaluation of maltose on conformation and activity parameters of trypsin. <i>Journal of Biomolecular Structure and Dynamics</i> , 2019, 37, 4557-4562.	2.0	12
57	Insights into the molecular interaction between sucrose and $\hat{I}\pm$ -chymotrypsin. <i>International Journal of Biological Macromolecules</i> , 2018, 114, 950-960.	3.6	46
58	A molecular simulation and spectroscopic approach to the binding affinity between trypsin and 2-propanol and protein conformation. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 477-485.	3.6	33
59	Exploring the thermal stability and activity of $\hat{I}\pm$ -chymotrypsin in the presence of spermine. <i>Journal of Biomolecular Structure and Dynamics</i> , 2017, 35, 435-448.	2.0	45
60	The functional and structural stabilization of trypsin by sucrose. <i>International Journal of Biological Macromolecules</i> , 2017, 99, 343-349.	3.6	41
61	A spectroscopic and thermal stability study on the interaction between putrescine and bovine trypsin. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 145-153.	3.6	63
62	Comparative Studies on the Interaction of Spermidine with Bovine Trypsin by Multispectroscopic and Docking Methods. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9632-9641.	1.2	46
63	Molecular aspects of the interaction of spermidine and $\hat{I}\pm$ -chymotrypsin. <i>International Journal of Biological Macromolecules</i> , 2016, 92, 523-532.	3.6	33
64	Counteraction of lactose on the thermal stability and activity of $\hat{I}\pm$ -chymotrypsin: thermodynamic, kinetic and docking studies. <i>RSC Advances</i> , 2016, 6, 72201-72212.	1.7	34
65	The effect of spermine on the structure, thermal stability and activity of bovine pancreatic trypsin. <i>RSC Advances</i> , 2016, 6, 60633-60642.	1.7	25
66	The influence of putrescine on the structure, enzyme activity and stability of $\hat{I}\pm$ -chymotrypsin. <i>RSC Advances</i> , 2016, 6, 29264-29278.	1.7	33
67	Investigation the activity and stability of lysozyme on presence of magnetic nanoparticles. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 862-867.	2.9	54