Mehdi Sahihi

List of Publications by Year
in descending order

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44	904	471371	477173
papers	citations	17 h-index	29 g-index

44	44	44	1190
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Studies on DNA binding properties of new Schiff base ligands using spectroscopic, electrochemical and computational methods: Influence of substitutions on DNA-binding. Journal of Molecular Liquids, 2018, 253, 61-71.	2.3	78
2	Cobalt(II), copper(II), zinc(II) and palladium(II) Schiff base complexes: Synthesis, characterization and catalytic performance in selective oxidation of sulfides using hydrogen peroxide under solvent-free conditions. Polyhedron, 2015, 95, 1-13.	1.0	75
3	Synthesis, characterization and biological application of four novel metal-Schiff base complexes derived from allylamine and their interactions with human serum albumin: Experimental, molecular docking and ONIOM computational study. Journal of Photochemistry and Photobiology B: Biology, 2016, 162, 448-462.	1.7	62
4	Synthesis, characterization, crystal structure, DNA- and HSA-binding studies of a dinuclear Schiff base Zn(II) complex derived from 2-hydroxynaphtaldehyde and 2-picolylamine. Journal of Molecular Structure, 2015, 1096, 110-120.	1.8	51
5	The Interaction of Polyphenol Flavonoids with Î²-lactoglobulin: Molecular Docking and Molecular Dynamics Simulation Studies. Journal of Macromolecular Science - Physics, 2012, 51, 2311-2323.	0.4	48
6	Encapsulation of quercetin-loaded Î²-lactoglobulin for drug delivery using modified anti-solvent method. Food Hydrocolloids, 2019, 96, 493-502.	5.6	42
7	An investigation of molecular dynamics simulation and molecular docking: Interaction of citrus flavonoids and bovine Î²-lactoglobulin in focus. Computers in Biology and Medicine, 2014, 51, 44-50.	3.9	40
8	Synthesis, characterization, crystal structure and HSA binding of two new N,O,O-donor Schiff-base ligands derived from dihydroxybenzaldehyde and tert-butylamine. Journal of Molecular Structure, 2016, 1119, 373-384.	1.8	37
9	DNA and HSA interaction of Vanadium (IV), Copper (II), and Zinc (II) complexes derived from an asymmetric bidentate Schiff-base ligand: multi spectroscopic, viscosity measurements, molecular docking, and ONIOM studies. Journal of Biological Inorganic Chemistry, 2018, 23, 181-192.	1.1	34
10	Self-recognition of the racemic ligand in the formation of homochiral dinuclear V(V) complex: InÂvitro anticancer activity, DNA and HSA interaction. European Journal of Medicinal Chemistry, 2017, 135, 230-240.	2.6	33
11	Chiral halogenated Schiff base compounds: green synthesis, anticancer activity and DNA-binding study. Journal of Molecular Structure, 2018, 1161, 497-511.	1.8	33
12	Synthesis, characterization and separation of chiral and achiral diastereomers of Schiff base Pd(II) complex: A comparative study of their DNA- and HSA-binding. Journal of Photochemistry and Photobiology B: Biology, 2016, 163, 246-260.	1.7	30
13	Synthesis, characterization, crystal structure and DNA, HSA-binding studies of four Schiff base complexes derived from salicylaldehyde and isopropylamine. Inorganica Chimica Acta, 2017, 466, 48-60.	1.2	27
14	Studies of DNA- and HSA-binding properties of new nano-scale green synthesized Ni (II) complex as anticancer agent using spectroscopic methods, viscosity measurement, molecular docking, MD simulation and QM/MM. Journal of Molecular Liquids, 2017, 248, 24-35.	2.3	24
15	Multispectroscopic and molecular modeling studies on the interaction of two curcuminoids with Î²-lactoglobulin. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 140, 274-282.	2.0	22
16	Synthesis, crystal structure and Hirshfeld surface analysis of copper(II) complexes: DNA- and BSA-binding, molecular modeling, cell imaging and cytotoxicity. Polyhedron, 2016, 119, 23-38.	1.0	21
17	Differential roles of 3-Hydroxyflavone and 7-Hydroxyflavone against nicotine-induced oxidative stress in rat renal proximal tubule cells. PLoS ONE, 2017, 12, e0179777.	1.1	21
18	Solubility of Maleic Acid in Supercritical Carbon Dioxide. Journal of Chemical & Engineering Data, 2010, 55, 2596-2599.	1.0	19

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19	Antioxidant activity and ACE-inhibitory of Class II hydrophobin from wild strain Trichoderma reesei. International Journal of Biological Macromolecules, 2016, 91, 174-179.	3.6	17
20	Tris-chelated complexes of nickel(II) with bipyridine derivatives: DNA binding and cleavage, BSA binding, molecular docking, and cytotoxicity. Journal of Biomolecular Structure and Dynamics, 2019, 37, 3887-3904.	2.0	15
21	Binding of biguanides to Î²-lactoglobulin: molecular-docking and molecular dynamics simulation studies. Chemical Papers, 2014, 68, .	1.0	14
22	Multi experimental and computational studies for DNA and HSA interaction of new nano-scale ultrasound-assisted synthesized Pd(II) complex as a potent anticancer drug. Journal of Molecular Liquids, 2018, 264, 386-397.	2.3	14
23	Synthesis of novel naphtho[1,2-e][1,3]oxazines bearing an arylsulfonamide moiety and their anticancer and antifungal activity evaluations. Arabian Journal of Chemistry, 2020, 13, 1271-1282.	2.3	14
24	Thermodynamic stability and retinol binding property of Î²-lactoglobulin in the presence of cationic surfactants. Journal of Chemical Thermodynamics, 2011, 43, 1185-1191.	1.0	12
25	Fluorescence spectroscopic study on interaction of retinol with Î²-lactoglobulin in the presence of cetylpyridinium chloride. Spectroscopy, 2012, 27, 27-34.	0.8	11
26	Structureâ€“function relationship of Î²-lactoglobulin in the presence of sodium dodecylbenzenesulfonate. Journal of Chemical Thermodynamics, 2012, 52, 16-23.	1.0	11
27	In-Silico Study on the Interaction of Saffron Ligands and Beta-Lactoglobulin by Molecular Dynamics and Molecular Docking Approach. Journal of Macromolecular Science - Physics, 2016, 55, 73-84.	0.4	11
28	Interfacial Interactions in a Model Composite Material: Insights into Î± â†' Î² Phase Transition of the Magnetite Reinforced Poly(Vinylidene Fluoride) Systems by All-Atom Molecular Dynamics Simulation. Journal of Physical Chemistry C, 2021, 125, 21635-21644.	1.5	11
29	Spectroscopic and molecular docking studies on the interaction of Pd(II) & Co(II) Schiff base complexes with Î²-lactoglobulin as a carrier protein. Journal of Biomolecular Structure and Dynamics, 2018, 36, 3130-3136.	2.0	10
30	The effects of single-walled carbon nanotubes (SWCNTs) on the structure and function of human serum albumin (HSA): Molecular docking and molecular dynamics simulation studies. Structural Chemistry, 2017, 28, 1815-1822.	1.0	9
31	Thermodynamic denaturation of Î²-lactoglobulin in the presence of cetylpyridinium chloride. Journal of Chemical Thermodynamics, 2010, 42, 1423-1428.	1.0	8
32	Identification of new alpha-synuclein fibrillogenesis inhibitor using in silico structure-based virtual screening. Journal of Molecular Graphics and Modelling, 2021, 108, 108010.	1.3	8
33	Computational Studies on the Interaction of Arctiin and Liquiritin With Î²-lactoglobulin. Journal of Macromolecular Science - Physics, 2014, 53, 1591-1600.	0.4	7
34	Structural stability of Î²-lactoglobulin in the presence of cetylpyridinum bromide: spectroscopic and molecular docking studies. Journal of Biomolecular Structure and Dynamics, 2018, 36, 753-760.	2.0	7
35	New homochiral and heterochiral Mo(VI) complex from racemic ligand: Synthesis, X-ray structure, diastereomers separation and biological activities. Polyhedron, 2019, 170, 70-85.	1.0	7
36	Bioluminescent Nanoluciferaseâ€“Furimamide Complex: A Theoretical Study on Different Protonation States. Journal of Physical Chemistry B, 2020, 124, 2539-2548.	1.2	5

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37	The Interaction of a New Schiff Base Ligand with Human Serum Albumin: Molecular Docking and Molecular Dynamics Simulation Studies. Journal of Macromolecular Science - Physics, 2017, 56, 636-643.	0.4	4
38	Spectroscopic and molecular modeling probing of biophysical influence of Î²-casein nano-protein on adrenaline and arachidonoyl adrenaline. Monatshefte FÃ¼r Chemie, 2018, 149, 185-196.	0.9	3
39	A combined computational/experimental study on HSA binding of two water-soluble Schiff base ligands derived from pyridine derivative and ethylendiamine. Journal of Biomolecular Structure and Dynamics, 2019, 37, 641-648.	2.0	3
40	Inhibition of Cathepsin B by Ferrocenyl Indenes Highlights a new Pharmacological Facet of Ferrocifens. European Journal of Inorganic Chemistry, 0, , .	1.0	3
41	Deoxyribonucleic Acid and Bovine Serum Albumin Interaction with the Asymmetric Schiff Base Ligand and Its Molybdenum (VI) Complex: Multi Spectroscopic and Molecular Docking Studies. Journal of Macromolecular Science - Physics, 2017, 56, 655-669.	0.4	2
42	In vitro biological and in silico molecular docking and ADME studies of a substituted triazine-coordinated cadmium(II) ion: efficient cytotoxicity, apoptosis, genotoxicity, and nuclease-like activity plus binding affinity towards apoptosis-related proteins. BioMetals, 2022, , 1.	1.8	1
43	Tuning excited state of bipyridyl platinum(II) complexes with bio-active flavonolate ligand: Structures, photoreactivity, and DFT calculations. Inorganica Chimica Acta, 2020, 513, 119952.	1.2	0
44	Investigation of Mechanical, Thermal, Electrical, and Hydrogen Diffusion Properties in Ternary Vâ€“Tiâ€“X Alloys: A Density Functional Theory Study. Journal of Physical Chemistry C, 2022, 126, 1672-1687.	1.5	0