Lotfollah Saghaie

List of Publications by Year
in descending order

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46 papers	849 citations	430874 18 h-index	526287 27 g-index
46 all docs	46 docs citations	46 times ranked	1152 citing authors

#	Article	IF	Citations
1	Synthesis, characterization, molecular docking, antimalarial, and antiproliferative activities of benzyloxy-4-oxopyridin benzoate derivatives. Research in Pharmaceutical Sciences, 2022, 17, 252.	1.8	1
2	In Silico Screening for Novel Tyrosine Kinase Inhibitors with Oxindole Scaffold as Anti-Cancer Agents: Design, QSAR Analysis, Molecular Docking and ADMET Studies. Journal of Computational Biophysics and Chemistry, 2022, 21, 583-598.	1.7	2
3	Molecular dynamics simulation and 3D-pharmacophore analysis of new quinoline-based analogues with dual potential against EGFR and VEGFR-2. International Journal of Biological Macromolecules, 2020, 142, 94-113.	7.5	18
4	Synthesis, anti-HIV-1 and antiproliferative evaluation of novel 4-nitroimidazole derivatives combined with 5-hydroxy-4-pyridinone moiety. Journal of Molecular Structure, 2020, 1202, 127344.	3.6	9
5	Identification of Novel 3-Hydroxy-pyran-4-One Derivatives as Potent HIV-1 Integrase Inhibitors Using in silico Structure-Based Combinatorial Library Design Approach. Frontiers in Chemistry, 2019, 7, 574.	3.6	32
6	Preparation of some novel imidazopyridine derivatives of indole as anticancer agents: one-pot multicomponent synthesis, biological evaluation and docking studies. Research on Chemical Intermediates, 2019, 45, 5261-5290.	2.7	5
7	Evaluation of the Cytotoxic Effect of Hydroxypyridinone Derivatives on HCT116 and SW480 Colon Cancer Cell Lines. Pharmaceutical Chemistry Journal, 2019, 53, 388-391.	0.8	3
8	Synthesis and antiproliferative evaluation of some iron chelators as polyamine transporter targeting agents. Canadian Journal of Chemistry, 2019, 97, 629-635.	1.1	0
9	New thiosemicarbazide-1,2,3-triazole hybrids as potent Î±-glucosidase inhibitors: Design, synthesis, and biological evaluation. Journal of Molecular Structure, 2019, 1192, 192-200.	3.6	25
10	Design and Synthesis of Novel Cytotoxic Indoleâ€Thiosemicarbazone Derivatives: Biological Evaluation and Docking Study. Chemistry and Biodiversity, 2019, 16, e1800470.	2.1	14
11	Anti-cancer, anti-oxidant and molecular docking studies of thiosemicarbazone indole-based derivatives. Research on Chemical Intermediates, 2019, 45, 2827-2854.	2.7	29
12	Trace Determination of Iron in Real Waters and Fruit Juice Samples Using Rapid Method: Optimized Dispersive Liquid-Liquid Microextraction with Synthesized Nontoxic Chelating Agent. Biological Trace Element Research, 2019, 192, 319-329.	3.5	11
13	Recent Advances in the Design and Development of Nonâ€nucleoside Reverse Transcriptase Inhibitor Scaffolds. ChemMedChem, 2019, 14, 52-77.	3.2	18
14	Structureâ€“activity relationship of polyamine conjugates for uptake via polyamine transport system. Structural Chemistry, 2019, 30, 175-184.	2.0	9
15	Synthesis, Molecular Modelling and Biological Studies of 3-hydroxypyrane- 4-one and 3-hydroxy-pyridine-4-one Derivatives as HIV-1 Integrase Inhibitors. Medicinal Chemistry, 2019, 15, 755-770.	1.5	22
16	Design, Synthesis, and Antiâ€<scp>HIV</scp>â€1 Evaluation of a Novel Series of 1,2,3,4â€Tetrahydropyrimidineâ€5â€Carboxylic Acid Derivatives. Chemistry and Biodiversity, 2018, 15, e1700502.	2.1	8
17	Optimization of a methodology for determination of iron concentration in aqueous samples using a newly synthesized chelating agent in dispersive liquid-liquid microextraction. Food Chemistry, 2018, 264, 9-15.	8.2	22
18	<scp>HIV</scp>â€1 Entry Inhibitors: A Review of Experimental and Computational Studies. Chemistry and Biodiversity, 2018, 15, e1800159.	2.1	14

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19	Novel Catechol Derivatives of Arylimidamides as Antileishmanial Agents. Chemistry and Biodiversity, 2018, 15, e1800228.	2.1	1
20	Biologically Active Heterocyclic Hybrids Based on Quinazolinone, Benzofuran and Imidazolium Moieties: Synthesis, Characterization, Cytotoxic and Antibacterial Evaluation. Chemistry and Biodiversity, 2017, 14, e1600411.	2.1	29
21	Synthesis, Biological Evaluation, and Molecular Docking Studies of Novel 4â€[4â€Arylpyridinâ€1(4H)â€yl]benzoic Acid Derivatives as Antiâ€<scp>HIV</scp>â€1 Agents. Chemistry and Biodiversity, 2017, 14, e1700295.	2.1	17
22	Antiâ€HIVâ€1 Activity Prediction of Novel Gp41 Inhibitors Using Structureâ€Based Virtual Screening and Molecular Dynamics Simulation. Molecular Informatics, 2017, 36, 1600060.	2.5	18
23	Synthesis, characterization, molecular docking studies and biological evaluation of some novel hybrids based on quinazolinone, benzofuran and imidazolium moieties as potential cytotoxic and antimicrobial agents. Iranian Journal of Basic Medical Sciences, 2017, 20, 975-989.	1.0	10
24	Synthesis and evaluation of the complex-forming ability of hydroxypyranones and hydroxypyridinones with Ni (II) as possible inhibitors for urease enzyme in Helicobacter pylori. Research in Pharmaceutical Sciences, 2016, 11, 332.	1.8	3
25	Insights into the human A1 adenosine receptor from molecular dynamics simulation: structural study in the presence of lipid membrane. Medicinal Chemistry Research, 2015, 24, 3645-3659.	2.4	16
26	Design, synthesis and anti-HIV-1 evaluation of a series of 5-hydroxypyridine-4-one derivatives as possible integrase inhibitors. Medicinal Chemistry Research, 2015, 24, 4113-4127.	2.4	9
27	Docking studies of some 5-hydroxypyridine-4-one derivatives: evaluation of integrase and ribonuclease H domain of reverse transcriptase as possible targets for anti-HIV-1 activity. Medicinal Chemistry Research, 2015, 24, 2195-2212.	2.4	6
28	QSAR and docking analysis of A2B adenosine receptor antagonists based on non-xanthine scaffold. Medicinal Chemistry Research, 2015, 24, 394-407.	2.4	18
29	QSAR and docking studies of some 1,2,3,4-tetrahydropyrimidines: evaluation of gp41 as possible target for anti-HIV-1 activity. Medicinal Chemistry Research, 2015, 24, 1707-1724.	2.4	12
30	Synthesis of polymers containing 3-hydroxypyridin-4-one bidentate ligands for treatment of iron overload. Research in Pharmaceutical Sciences, 2015, 10, 364-77.	1.8	4
31	Computational evaluation of some indenopyrazole derivatives as anticancer compounds; application of QSAR and docking methodologies. Journal of Enzyme Inhibition and Medicinal Chemistry, 2013, 28, 16-32.	5.2	18
32	Linear and nonlinear QSAR modeling of 1,3,8-substituted-9-deazaxanthines as potential selective A2BAR antagonists. Medicinal Chemistry Research, 2013, 22, 4549-4567.	2.4	10
33	Stepwise MLR and PCR QSAR study of the pharmaceutical activities of antimalarial 3-hydroxypyridinone agents using B3LYP/6-311++G** descriptors. Medicinal Chemistry Research, 2013, 22, 1679-1688.	2.4	24
34	QSAR study of some CCR5 antagonists as anti-HIV agents using radial basis function neural network and general regression neural network on the basis of principal components. Medicinal Chemistry Research, 2012, 21, 3246-3262.	2.4	16
35	Synthesis and antimicrobial activity of novel derivatives of Biginelli pyrimidines. Medicinal Chemistry Research, 2012, 21, 3973-3983.	2.4	27
36	Iron chelation afforded cardioprotection against H2O2-induced H9C2 cell injury: Application of novel 3-hydroxy pyridine-4-one derivatives. International Journal of Cardiology, 2012, 162, 60-63.	1.7	2

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37	Characterization of adenosine receptor in its native environment: insights from molecular dynamics simulations of palmitoylated/glycosylated, membrane-integrated human A2B adenosine receptor. Journal of Molecular Modeling, 2012, 18, 4309-4324.	1.8	15
38	Application of an expert system based on Genetic Algorithmâ€“Adaptive Neuro-Fuzzy Inference System (GAâ€“ANFIS) in QSAR of cathepsin K inhibitors. Expert Systems With Applications, 2012, 39, 6182-6191.	7.6	38
39	Comparative quantitative structureâ€“activity relationship study of some 1-aminocyclopentyl-3-carboxyamides as CCR2 inhibitors using stepwise MLR, FA-MLR, and GA-PLS. Medicinal Chemistry Research, 2012, 21, 100-115.	2.4	12
40	Homology modeling of human CCR5 and analysis of its binding properties through molecular docking and molecular dynamics simulation. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 802-817.	2.6	54
41	Exploring a Model of a Chemokine Receptor/Ligand Complex in an Explicit Membrane Environment by Molecular Dynamics Simulation: The Human CCR1 Receptor. Journal of Chemical Information and Modeling, 2011, 51, 2717-2730.	5.4	22
42	QSAR Analysis for Some Diarylâ€substituted Pyrazoles as CCR2 Inhibitors by GAâ€Stepwise MLR. Chemical Biology and Drug Design, 2011, 77, 75-85.	3.2	22
43	Application of PC-ANN and PC-LS-SVM in QSAR of CCR1 antagonist compounds: A comparative study. European Journal of Medicinal Chemistry, 2010, 45, 1572-1582.	5.5	51
44	Application of partial least squares and radial basis function neural networks in multivariate imaging analysis-quantitative structure activity relationship: Study of cyclin dependent kinase 4 inhibitors. Journal of Molecular Graphics and Modelling, 2010, 29, 518-528.	2.4	26
45	Synthesis, antimicrobial evaluation and QSAR study of some 3-hydroxypyridine-4-one and 3-hydroxypyran-4-one derivatives. European Journal of Medicinal Chemistry, 2009, 44, 2145-2157.	5.5	67
46	Synthesis and antitubercular activity of novel 4-substituted imidazolyl-2,6-dimethyl-N3,N5-bisaryl-1,4-dihydropyridine-3,5-dicarboxamides. European Journal of Medicinal Chemistry, 2009, 44, 3253-3258.	5.5	60