

Olaposi I Omotuyi

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

359
citations

759233

12
h-index

839539

18
g-index

30
all docs

30
docs citations

30
times ranked

636
citing authors

#	ARTICLE	IF	CITATIONS
1	<sc>HDAC</sc> inhibitors restore <sc>C</sc>â€fibre sensitivity in experimental neuropathic pain model. British Journal of Pharmacology, 2013, 170, 991-998.	5.4	69
2	Atomistic simulation reveals structural mechanisms underlying <sc>D614G</sc> spike glycoproteinâ€enhanced fitness in <sc>SARSâ€COV</sc>â€2. Journal of Computational Chemistry, 2020, 41, 2158-2161.	3.3	42
3	<sc><i>Aframomum melegueta</i></sc> secondary metabolites exhibit polypharmacology against <sc>SARSâ€CoV</sc>â€2 drug targets: in vitro validation of furin inhibition. Phytotherapy Research, 2021, 35, 908-919.	5.8	30
4	Flavonoid-rich extract of Chromolaena odorata modulate circulating GLP-1 in Wistar rats: computational evaluation of TGR5 involvement. 3 Biotech, 2018, 8, 124.	2.2	28
5	SARS-CoV-2 Omicron spike glycoprotein receptor binding domain exhibits super-binder ability with ACE2 but not convalescent monoclonal antibody. Computers in Biology and Medicine, 2022, 142, 105226.	7.0	26
6	InÂVitro Antioxidant Activity and Effect of Parkia biglobosa Bark Extract on Mitochondrial Redox Status. JAMS Journal of Acupuncture and Meridian Studies, 2014, 7, 202-210.	0.7	20
7	Lys39-Lysophosphatidate Carbonyl Oxygen Interaction Locks LPA1 N-terminal Cap to the Orthosteric Site and partners Arg124 During Receptor Activation. Scientific Reports, 2015, 5, 13343.	3.3	17
8	Ebola virus envelope glycoprotein derived peptide in human Furin-bound state: computational studies. Journal of Biomolecular Structure and Dynamics, 2015, 33, 461-470.	3.5	17
9	Methyl-methoxy pyrrolinone and flavinium nucleus binding signatures on falcipain-2 active site. Journal of Molecular Modeling, 2014, 20, 2386.	1.8	15
10	Molecular dynamics study-based mechanism of nefiracetam-induced NMDA receptor potentiation. Computational Biology and Chemistry, 2015, 55, 14-22.	2.3	15
11	Discovery of new promising USP14 inhibitors: computational evaluation of the thumb-palm pocket. Journal of Biomolecular Structure and Dynamics, 2022, 40, 3060-3070.	3.5	14
12	Evidence for ProTÎ±-TLR4/MD-2 binding: molecular dynamics and gravimetric assay studies. Expert Opinion on Biological Therapy, 2015, 15, 223-229.	3.1	12
13	Chromolaena odorata flavonoids attenuate experimental nephropathy: Involvement of pro-inflammatory genes downregulation. Toxicology Reports, 2020, 7, 1421-1427.	3.3	11
14	Kaempferol as a Potential PAK4 Inhibitor in Triple Negative Breast Cancer: Extra Precision Glide Docking and Free Energy Calculation. Current Drug Discovery Technologies, 2020, 17, 682-695.	1.2	10
15	Tâ€705â€modified ssRNA in complex with Lassa virus nucleoprotein exhibits nucleotide splaying and increased water influx into the RNAâ€binding pocket. Chemical Biology and Drug Design, 2019, 93, 544-555.	3.2	6
16	Epstein-Barr virus, human papillomavirus and herpes simplex virus 2 co-presence severely dysregulates miRNA expression. African Journal of Laboratory Medicine, 2021, 10, 975.	0.6	6
17	A Novel Unified Ab Initio and Template-Based Approach to GPCR Modeling: Case of EDG-LPA Receptors.. Current Bioinformatics, 2013, 8, 603-610.	1.5	3
18	Genetic diversity in tomato accessions [Solanum lycopersicum (L.) H. Karst] from Nigeria employing morphological and SSR markers. Plant Physiology Reports, 2020, 25, 444-459.	1.5	2

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19	Synergistic erythropoietic mechanisms of <i>Chromolaena odorata</i> and <i>Tithonia diversifolia</i> in the bone marrow of Wistar rats. <i>Comparative Clinical Pathology</i> , 2021, 30, 191-198.	0.7	2
20	Inhibition of human androgen receptor by delta 9-tetrahydrocannabinol and cannabidiol related to reproductive dysfunction: A computational study. <i>Andrologia</i> , 2022, 54, e14454.	2.1	2
21	<i>Artocarpus altilis</i> CG-901 alters critical nodes in the JH1-kinase domain of Janus kinase 2 affecting upstream JAK/STAT3 signaling. <i>Journal of Molecular Modeling</i> , 2015, 21, 280.	1.8	1
22	LPA1 extracellular loop residues 115 and 191 are not required for receptor activation but prevent Ki16425 super-antagonism. <i>RSC Advances</i> , 2016, 6, 55257-55265.	3.6	1
23	Kolaflavanone, a biflavonoid derived from medicinal plant <i>Garcinia</i> , is an inhibitor of mitotic kinesin Eg5. <i>Journal of Biochemistry</i> , 2021, , .	1.7	1
24	Salient Aspects of PBP2A-inhibition; A QSAR Study. <i>Current Computer-Aided Drug Design</i> , 2018, 14, 363-369.	1.2	1
25	Human furin Cys198 imposes dihedral and positional restraints on His194 for optimal Ser386-proton transfer. <i>Journal of Biomolecular Structure and Dynamics</i> , 2015, 33, 2442-2451.	3.5	0
26	Energetics and protomer communication in the dynamical structure of S100A13 in free and protein-bound states. <i>Molecular Simulation</i> , 2016, 42, 874-881.	2.0	0
27	Alteration of ssRNA Torsion and Water Influx into ssRNA Pocket in K309A and S247A Mutations. <i>Current Computer-Aided Drug Design</i> , 2021, 17, 32-37.	1.2	0