Parthiban Marimuthu

List of Publications by Year
in descending order

27	574	933447 10	642732 23
papers	citations	h-index	g-index

27	27	27	631
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation into the site-specific binding interactions between chlorogenic acid and ovalbumin using multi-spectroscopic and in silico simulation studies. Journal of Biomolecular Structure and Dynamics, 2022, 40, 6619-6633.	3.5	8
2	Wnt/Î²-catenin Antagonists: Exploring New Avenues to Trigger Old Drugs in Alleviating Glioblastoma Multiforme. Current Molecular Pharmacology, 2022, 15, 338-360.	1.5	8
3	Mapping the Molecular Architecture Required for Lipid-Binding Pockets Using a Subset of Established and Orphan G-Protein Coupled Receptors. Journal of Chemical Information and Modeling, 2021, 61, 3442-3452.	5.4	1
4	Penetration of Chitosan into the Single Walled Armchair Carbon Nanotubes: Atomic Scale Insight. Crystals, 2021, 11, 1174.	2.2	4
5	Molecular Dynamics Simulations in Drug Discovery and Pharmaceutical Development. Processes, 2021, 9, 71.	2.8	162
6	Mechanistic Insights into SARS-CoV-2 Main Protease Inhibition Reveals Hotspot Residues. Journal of Chemical Information and Modeling, 2021, , .	5.4	5
7	Predicted Hotspot Residues Involved in Allosteric Signal Transmission in Pro-Apoptotic Peptideâ€”Mcl1 Complexes. Biomolecules, 2020, 10, 1114.	4.0	3
8	Disruption of conserved polar interactions causes a sequential release of Bim mutants from the canonical binding groove of Mcl1. International Journal of Biological Macromolecules, 2020, 158, 364-374.	7.5	6
9	Unraveling the molecular mechanism of benzothiophene and benzofuran scaffold-merged compounds binding to anti-apoptotic Myeloid cell leukemia 1. Journal of Biomolecular Structure and Dynamics, 2019, 37, 1992-2003.	3.5	6
10	Investigating the Molecular Basis of N-Substituted 1-Hydroxy-4-Sulfamoyl-2-Naphthoate Compounds Binding to Mcl1. Processes, 2019, 7, 224.	2.8	3
11	Synthesis and Evaluation of Anisomelic acid-like Compounds for the Treatment of HPV-Mediated Carcinomas. Scientific Reports, 2019, 9, 20295.	3.3	3
12	In silico approaches to evaluate the molecular properties of organophosphate compounds to inhibit acetylcholinesterase activity in housefly. Journal of Biomolecular Structure and Dynamics, 2019, 37, 307-320.	3.5	10
13	Prediction of Hot Spots at Myeloid Cell Leukemia-1â€“Inhibitor Interface Using Energy Estimation and Alanine Scanning Mutagenesis. Biochemistry, 2018, 57, 1249-1261.	2.5	16
14	Deciphering the crucial residues involved in heterodimerization of Bak peptide and anti-apoptotic proteins for apoptosis. Journal of Biomolecular Structure and Dynamics, 2018, 36, 1637-1648.	3.5	13
15	Deciphering the crucial molecular properties of a series of Benzothiazole Hydrazone inhibitors that targets anti-apoptotic Bcl-xL protein. Journal of Biomolecular Structure and Dynamics, 2018, 36, 2654-2667.	3.5	10
16	Molecular interaction studies of some Co(III)-surfactants with the transport protein. Colloids and Surfaces B: Biointerfaces, 2018, 169, 160-167.	5.0	5
17	Probing the binding mechanism of mercaptoguanine derivatives as inhibitors of HPPK by docking and molecular dynamics simulations. Journal of Biomolecular Structure and Dynamics, 2017, 35, 3507-3521.	3.5	11
18	Plasma Protein Binding of Anisomelic Acid: Spectroscopy and Molecular Dynamic Simulations. Journal of Chemical Information and Modeling, 2016, 56, 2401-2412.	5.4	25

#	Article	IF	Citations
19	Zebavidin - An Avidin-Like Protein from Zebrafish. PLoS ONE, 2013, 8, e77207.	2.5	18
20	Active site opening and closure control translocation of multisubunit RNA polymerase. Nucleic Acids Research, 2012, 40, 7442-7451.	14.5	89
21	PrionHome: A Database of Prions and Other Sequences Relevant to Prion Phenomena. PLoS ONE, 2012, 7, e31785.	2.5	22
22	In silico point mutation and evolutionary trace analysis applied to nicotinic acetylcholine receptors in deciphering ligand-binding surfaces. Journal of Molecular Modeling, 2010, 16, 1651-1670.	1.8	6
23	100 ns Molecular Dynamics Simulations to Study Intramolecular Conformational Changes in Bax. Journal of Biomolecular Structure and Dynamics, 2010, 28, 71-83.	3.5	82
24	Molecular Modeling of Human Pentameric Î±7Neuronal Nicotinic Acetylcholine Receptor and Its Interaction with its Agonist and Competitive Antagonist. Journal of Biomolecular Structure and Dynamics, 2009, 26, 535-547.	3.5	35
25	An Insilico approach to High Altitude Pulmonary Edema - Molecular modeling of human Î²2 adrenergic receptor and its interaction with Salmeterol & Nifedipine. Journal of Molecular Modeling, 2008, 14, 849-856.	1.8	10
26	Three dimensional modeling of N-terminal region of galanin and its interaction with the galanin receptor. Bioinformation, 2007, 2, 119-125.	0.5	5
27	Binding site prediction of galanin peptide using evolutionary trace method. Bioinformation, 2006, 1, 180-183.	0.5	8