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	Molecular Dynamics Simulations in Drug Discovery and Pharmaceutical Development. Processes, 2021, 9, 71.	2.8	162
2	Active site opening and closure control translocation of multisubunit RNA polymerase. Nucleic Acids Research, 2012, 40, 7442-7451.	14.5	89
3	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
4	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
5	Plasma Protein Binding of Anisomelic Acid: Spectroscopy and Molecular Dynamic Simulations. Journal of Chemical Information and Modeling, 2016, 56, 2401-2412.	5.4	25
6	PrionHome: A Database of Prions and Other Sequences Relevant to Prion Phenomena. PLoS ONE, 2012, 7, e31785.	2.5	22
7	Zebavidin - An Avidin-Like Protein from Zebrafish. PLoS ONE, 2013, 8, e77207.	2.5	18
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	Binding site prediction of galanin peptide using evolutionary trace method. Bioinformation, 2006, 1, 180-183.	0.5	8
17	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
18	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

#	Article	IF	Citations
19	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
20	Molecular interaction studies of some Co(III)-surfactants with the transport protein. Colloids and Surfaces B: Biointerfaces, 2018, 169, 160-167.	5.0	5
21	Three dimensional modeling of N-terminal region of galanin and its interaction with the galanin receptor. Bioinformation, 2007, 2, 119-125.	0.5	5
22	Mechanistic Insights into SARS-CoV-2 Main Protease Inhibition Reveals Hotspot Residues. Journal of Chemical Information and Modeling, 2021, , .	5.4	5
23	Penetration of Chitosan into the Single Walled Armchair Carbon Nanotubes: Atomic Scale Insight. Crystals, 2021, 11, 1174.	2.2	4
24	Investigating the Molecular Basis of N-Substituted 1-Hydroxy-4-Sulfamoyl-2-Naphthoate Compounds Binding to Mcl1. Processes, 2019, 7, 224.	2.8	3
25	Synthesis and Evaluation of Anisomelic acid-like Compounds for the Treatment of HPV-Mediated Carcinomas. Scientific Reports, 2019, 9, 20295.	3.3	3
26	Predicted Hotspot Residues Involved in Allosteric Signal Transmission in Pro-Apoptotic Peptideâ€”Mcl1 Complexes. Biomolecules, 2020, 10, 1114.	4.0	3
27	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