Padmanabhan Balasundaram

List of Publications by Year
in descending order

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27 papers	1,711 citations	840776 11 h-index	610901 24 g-index
28 all docs	28 docs citations	28 times ranked	2680 citing authors

#	Article	IF	Citations
1	Chlorhexidine as a Keap1-Nrf2 inhibitor: a new target for an old drug for Parkinson's disease therapy. Journal of Biomolecular Structure and Dynamics, 2023, 41, 5367-5381.	3.5	5
2	In silicoscreening of small molecule modulators and their binding studies against human sirtuin-6 protein. Journal of Biomolecular Structure and Dynamics, 2022, 40, 10033-10044.	3.5	1
3	Structural investigation of a pyrano-1,3-oxazine derivative and the phenanthridinone core moiety against BRD2 bromodomains. Acta Crystallographica Section F, Structural Biology Communications, 2022, 78, 119-127.	0.8	0
4	Structural insights into the multiple binding modes of Dimethyl Fumarate (DMF) and its analogs to the Kelch domain of Keap1. FEBS Journal, 2021, 288, 1599-1613.	4.7	41
5	A Dominant C150Y Mutation in FHL1ÂInduces Structural Alterations in LIM2 Domain Causing Protein Aggregation In Human and Drosophila Indirect Flight Muscles. Journal of Molecular Neuroscience, 2021, 71, 2324-2335.	2.3	1
6	Molecular insights into <scp>Î±â€synuclein</scp> interaction with individual human core histones, linker histone, and <scp>dsDNA</scp>. Protein Science, 2021, 30, 2121-2131.	7.6	11
7	Inhibition of mitochondrial complex II in neuronal cells triggers unique pathways culminating in autophagy with implications for neurodegeneration. Scientific Reports, 2021, 11, 1483.	3.3	16
8	Identification of a repurposed drug as an inhibitor of Spike protein of human coronavirus SARS-CoV-2 by computational methods. Journal of Biosciences, 2020, 45, 1.	1.1	40
9	Novel pyrano 1,3 oxazine based ligand inhibits the epigenetic reader hBRD2 in glioblastoma. Biochemical Journal, 2020, 477, 2263-2279.	3.7	5
10	Biochemical insight into pseudouridine synthase 7 (PUS7) as a novel interactor of sirtuin, SIRT1. Biochemical and Biophysical Research Communications, 2019, 518, 598-604.	2.1	2
11	Design, synthesis, in-vitro evaluation and molecular docking studies of novel indole derivatives as inhibitors of SIRT1 and SIRT2. Bioorganic Chemistry, 2019, 92, 103281.	4.1	9
12	Rational discovery of a SOD1 tryptophan oxidation inhibitor with therapeutic potential for amyotrophic lateral sclerosis. Journal of Biomolecular Structure and Dynamics, 2019, 37, 3936-3946.	3.5	11
13	Assessment of ligand binding at a site relevant to <scp>SOD</scp>1 oxidation and aggregation. FEBS Letters, 2018, 592, 1725-1737.	2.8	20
14	Insights into the crystal structure of BRD2-BD2 â€“ phenanthridinone complex and theoretical studies on phenanthridinone analogs. Journal of Biomolecular Structure and Dynamics, 2018, 36, 2342-2360.	3.5	6
15	The Keap1â€“Nrf2 pathway: promising therapeutic target to counteract ROS-mediated damage in cancers and neurodegenerative diseases. Biophysical Reviews, 2017, 9, 41-56.	3.2	286
16	Muscle biopsies from human muscle diseases with myopathic pathology reveal common alterations in mitochondrial function. Journal of Neurochemistry, 2016, 138, 174-191.	3.9	33
17	Bromodomain and extra-terminal (BET) family proteins: New therapeutic targets in major diseases. Journal of Biosciences, 2016, 41, 295-311.	1.1	86
18	A Novel Phenanthridionone Based Scaffold As a Potential Inhibitor of the BRD2 Bromodomain: Crystal Structure of the Complex. PLoS ONE, 2016, 11, e0156344.	2.5	11

#	Article	IF	Citations
19	Identification of New Inhibitors for Human SIRT1: An in-silico Approach. Medicinal Chemistry, 2016, 12, 347-361.	1.5	15
20	Crystal structure of the MazG-related nucleoside triphosphate pyrophosphohydrolase from Thermotoga maritima MSB8. Journal of Structural and Functional Genomics, 2015, 16, 81-89.	1.2	1
21	Identification of novel modulators for ionotropic glutamate receptor, iGluA2 by in-silico screening. Theoretical Biology and Medical Modelling, 2013, 10, 46.	2.1	4
22	Crystal structure of putative CbiT from Methanocaldococcus jannaschii: an intermediate enzyme activity in cobalamin (vitamin B12) biosynthesis. BMC Structural Biology, 2013, 13, 10.	2.3	0
23	Structure of the hypothetical DUF1811-family protein GK0453 fromGeobacillus kaustophilusHTA426. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 342-345.	0.7	0
24	Real-Time Imaging of Histone H4K12â€“Specific Acetylation Determines the Modes of Action of Histone Deacetylase and Bromodomain Inhibitors. Chemistry and Biology, 2011, 18, 495-507.	6.0	99
25	Different Electrostatic Potentials Define ETGE and DLG Motifs as Hinge and Latch in Oxidative Stress Response. Molecular and Cellular Biology, 2007, 27, 7511-7521.	2.3	370
26	Purification, crystallization and preliminary X-ray diffraction of the C-terminal bromodomain from human BRD2. Acta Crystallographica Section F: Structural Biology Communications, 2007, 63, 613-615.	0.7	3
27	Structural Basis for Defects of Keap1 Activity Provoked by Its Point Mutations in Lung Cancer. Molecular Cell, 2006, 21, 689-700.	9.7	631