

Sivapriya Kirubakaran

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

506
citations

1039406

9
h-index

676716

22
g-index

35
all docs

35
docs citations

35
times ranked

1054
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Torin2, an ATP-Competitive Inhibitor of mTOR, ATM, and ATR. <i>Cancer Research</i> , 2013, 73, 2574-2586.	0.4	170
2	Kinome-wide Selectivity Profiling of ATP-competitive Mammalian Target of Rapamycin (mTOR) Inhibitors and Characterization of Their Binding Kinetics. <i>Journal of Biological Chemistry</i> , 2012, 287, 9742-9752.	1.6	89
3	The Structural Basis of Cryptosporidium-Specific IMP Dehydrogenase Inhibitor Selectivity. <i>Journal of the American Chemical Society</i> , 2010, 132, 1230-1231.	6.6	62
4	Structure-activity relationship study of selective benzimidazole-based inhibitors of <i>Cryptosporidium parvum</i> IMPDH. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 1985-1988.	1.0	47
5	Inhibitors of inosine 5 α -monophosphate dehydrogenase as emerging new generation antimicrobial agents. <i>MedChemComm</i> , 2019, 10, 1290-1301.	3.5	20
6	Generation of Phenothiazine with Potent Anti-TLK1 Activity for Prostate Cancer Therapy. <i>IScience</i> , 2020, 23, 101474.	1.9	18
7	Evolution of PIKK family kinase inhibitors A new age cancer therapeutics. <i>Frontiers in Bioscience - Landmark</i> , 2020, 25, 1510-1537.	3.0	14
8	High yield bacterial expression, purification and characterisation of bioactive Human Tousel-like Kinase 1B involved in cancer. <i>Scientific Reports</i> , 2018, 8, 4796.	1.6	11
9	Design, Synthesis, and Docking Studies of New Torin2 Analogs as Potential ATR/mTOR Kinase Inhibitors. <i>Molecules</i> , 2018, 23, 992.	1.7	9
10	Exploring a solvated dimer of Gefitinib: a quantitative analysis. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2018, 74, 944-950.	0.2	9
11	Identification of selective inhibitors of <i>Helicobacter pylori</i> IMPDH as a targeted therapy for the infection. <i>Scientific Reports</i> , 2019, 9, 190.	1.6	9
12	MDC1 depletion promotes cisplatin induced cell death in cervical cancer cells. <i>BMC Research Notes</i> , 2020, 13, 146.	0.6	9
13	Synthesis and In Vitro Enzymatic Studies of New 3-Aryldiazanyl Indoles as Promising <i>Helicobacter pylori</i> IMPDH Inhibitors. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 376-382.	1.0	6
14	Design, synthesis and biological evaluation of <i>Helicobacter pylori</i> inosine 5 α -monophosphate dehydrogenase (HplIMPDH) inhibitors. Further optimization of selectivity towards HplIMPDH over human IMPDH2. <i>Bioorganic Chemistry</i> , 2019, 87, 753-764.	2.0	4
15	Characterization of SPK 98, a Torin2 analog, as ATR and mTOR dual kinase inhibitor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127517.	1.0	4
16	Synthesis and characterization of a new class of phenothiazine molecules with 10H-substituted morpholine & piperidine derivatives: A structural insight. <i>Journal of Molecular Structure</i> , 2020, 1219, 128546.	1.8	4
17	Synthesis and Characterization of Quinoline-3-Carboxamide Derivatives as Inhibitors of the ATM Kinase. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 2070-2079.	1.0	4
18	Crystal structure and Hirshfeld surface analysis of ethyl 5-phenylisoxazole-3-carboxylate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017, 73, 531-534.	0.2	3

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19	Exploring packing features of N-substituted acridone derivatives: Synthesis and X-ray crystallography studies. <i>Journal of Molecular Structure</i> , 2022, 1248, 131448.	1.8	3
20	The Endeavours in RAS Inhibition - the Past, Present, and Future. <i>Current Topics in Medicinal Chemistry</i> , 2020, 20, 2708-2722.	1.0	3
21	Molecular Docking and Molecular Dynamics Simulation Studies of Quinoline-3-Carboxamide Derivatives with DDR Kinases – Selectivity Studies towards ATM Kinase. <i>Chemistry</i> , 2021, 3, 511-524.	0.9	2
22	Small molecule NSAID derivatives for impairing powerhouse in cancer cells. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 64, 116759.	1.4	2
23	Design, synthesis and biological evaluation of new Myo-inositol derivatives as potential RAS inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127290.	1.0	1
24	Tetrathiomolybdate and Tetraselenotungstate as Sulfur/Selenium Transfer Reagents: Applications in the Synthesis of New Thio/Seleno Sugars. <i>Chemical Record</i> , 2021, 21, 3076-3086.	2.9	1
25	Novel Pyrazolo[4, 3-c]Quinolin-3-One Derivatives as PDE5A Inhibitors. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 305-315.	1.0	1
26	Water-mediated intermolecular interactions in 1,2-O-cyclohexylidene-myoinositol: a quantitative analysis. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2017, 73, 20-27.	0.2	0
27	Effect of co-crystallization on physico-chemical properties of gefitinib. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2017, 73, C725-C725.	0.0	0
28	Evaluation of Maltose Binding Protein-Tagged hATR Kinase Domain Catalytic Activity with p53 Ser-15 Phosphorylation. <i>Biochemistry</i> , 2018, 57, 6592-6603.	1.2	0
29	Abstract 3235: Development of potent and selective inhibitors for ATR: An adjuvant for DNA damage based chemotherapeutics. , 2017, , .		0
30	Abstract 772: High MDC1 expression in cervical cancer cells can affect the chemo- and radiotherapeutic response as its depletion leads to increased cell death. , 2018, , .		0
31	Abstract 1264: Design, synthesis and biological evaluation of new phenothiazine derivatives as potential Tausled-like kinase 1 inhibitors in prostate cancer treatment. , 2019, , .		0
32	Mutants of <i>Helicobacter pylori</i> IMPDH: Kinetics and <i>in silico</i> Studies to Determine the Structural and Functional Role of Key Amino Acids. <i>Chemistry - an Asian Journal</i> , 2022, , .	1.7	0