Tanaji T Talele

List of Publications by Year
in descending order

49 papers	3,086 citations	201385 27 h-index	197535 49 g-index
51 all docs	51 docs citations	51 times ranked	4526 citing authors

#	Article	IF	Citations
1	The â€œCyclopropyl Fragmentâ€•is a Versatile Player that Frequently Appears in Preclinical/Clinical Drug Molecules. Journal of Medicinal Chemistry, 2016, 59, 8712-8756.	2.9	622
2	Successful Applications of Computer Aided Drug Discovery: Moving Drugs from Concept to the Clinic. Current Topics in Medicinal Chemistry, 2010, 10, 127-141.	1.0	295
3	Structural basis for allosteric PARP-1 retention on DNA breaks. Science, 2020, 368, .	6.0	191
4	Opportunities for Tapping into Three-Dimensional Chemical Space through a Quaternary Carbon. Journal of Medicinal Chemistry, 2020, 63, 13291-13315.	2.9	165
5	Sildenafil Reverses ABCB1- and ABCG2-Mediated Chemotherapeutic Drug Resistance. Cancer Research, 2011, 71, 3029-3041.	0.4	157
6	Nilotinib potentiates anticancer drug sensitivity in murine ABCB1-, ABCG2-, and ABCC10-multidrug resistance xenograft models. Cancer Letters, 2013, 328, 307-317.	3.2	106
7	Identification and characterization of coumestans as novel HCV NS5B polymerase inhibitors. Nucleic Acids Research, 2008, 36, 1482-1496.	6.5	96
8	3D QSAR and Molecular Docking Studies of Benzimidazole Derivatives as Hepatitis C Virus NS5B Polymerase Inhibitors. Journal of Chemical Information and Modeling, 2008, 48, 42-55.	2.5	94
9	Neratinib Reverses ATP-Binding Cassette B1-Mediated Chemotherapeutic Drug Resistance In Vitro, In Vivo, and Ex Vivo. Molecular Pharmacology, 2012, 82, 47-58.	1.0	87
10	Natural-Products-Inspired Use of the gem-Dimethyl Group in Medicinal Chemistry. Journal of Medicinal Chemistry, 2018, 61, 2166-2210.	2.9	86
11	Multiple Transport-Active Binding Sites Are Available for a Single Substrate on Human P-Glycoprotein (ABCB1). PLoS ONE, 2013, 8, e82463.	1.1	86
12	Acetylene Group, Friend or Foe in Medicinal Chemistry. Journal of Medicinal Chemistry, 2020, 63, 5625-5663.	2.9	76
13	Structure-based virtual screening, synthesis and SAR of novel inhibitors of hepatitis C virus NS5B polymerase. Bioorganic and Medicinal Chemistry, 2010, 18, 4630-4638.	1.4	68
14	The ubiquitin-dependent ATPase p97 removes cytotoxic trapped PARP1 from chromatin. Nature Cell Biology, 2022, 24, 62-73.	4.6	66
15	Lamellarin O, a Pyrrole Alkaloid from an Australian Marine Sponge, Ianthella sp., Reverses BCRP Mediated Drug Resistance in Cancer Cells. Marine Drugs, 2014, 12, 3818-3837.	2.2	63
16	GW583340 and GW2974, human EGFR and HER-2 inhibitors, reverse ABCG2- and ABCB1-mediated drug resistance. Biochemical Pharmacology, 2012, 83, 1613-1622.	2.0	62
17	Design and Synthesis of Human ABCB1 (P-Glycoprotein) Inhibitors by Peptide Coupling of Diverse Chemical Scaffolds on Carboxyl and Amino Termini of (S)-Valine-Derived Thiazole Amino Acid. Journal of Medicinal Chemistry, 2014, 57, 4058-4072.	2.9	51
18	The synthesis of phenylalanine-derived C5-substituted rhodanines and their activity against selected methicillin-resistant Staphylococcus aureus (MRSA) strains. European Journal of Medicinal Chemistry, 2010, 45, 5827-5832.	2.6	48

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19	Bafetinib (INNO-406) reverses multidrug resistance by inhibiting the efflux function of ABCB1 and ABCG2 transporters. Scientific Reports, 2016, 6, 25694.	1.6	48
20	Telatinib reverses chemotherapeutic multidrug resistance mediated by ABCG2 efflux transporter in vitro and in vivo. Biochemical Pharmacology, 2014, 89, 52-61.	2.0	47
21	Discovery and Structureâ€"Activity Relationship of Novel 2,3-Dihydrobenzofuran-7-carboxamide and 2,3-Dihydrobenzofuran-3(2H)-one-7-carboxamide Derivatives as Poly(ADP-ribose)polymerase-1 Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 5579-5601.	2.9	43
22	Synthesis and SAR optimization of quinazolin-4(3H)-ones as poly(ADP-ribose)polymerase-1 inhibitors. European Journal of Medicinal Chemistry, 2012, 50, 264-273.	2.6	40
23	2-Heteroarylimino-5-arylidene-4-thiazolidinones as a new class of non-nucleoside inhibitors of HCV NS5B polymerase. European Journal of Medicinal Chemistry, 2013, 69, 931-941.	2.6	39
24	Saracatinib (AZD0530) is a potent modulator of ABCB1â€mediated multidrug resistance in vitro and in vivo. International Journal of Cancer, 2013, 132, 224-235.	2.3	37
25	Enhancing Chemosensitivity in ABCB1- and ABCG2-Overexpressing Cells and Cancer Stem-like Cells by An Aurora Kinase Inhibitor CCT129202. Molecular Pharmaceutics, 2012, 9, 1971-1982.	2.3	35
26	Molecular docking/dynamics studies of Aurora A kinase inhibitors. Journal of Molecular Graphics and Modelling, 2008, 26, 1213-1222.	1.3	34
27	The synthesis and SAR study of phenylalanine-derived (Z)-5-arylmethylidene rhodanines as anti-methicillin-resistant Staphylococcus aureus (MRSA) compounds. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 5523-5527.	1.0	30
28	Design and Synthesis of Poly(ADP-ribose) Polymerase Inhibitors: Impact of Adenosine Pocket-Binding Motif Appendage to the 3-Oxo-2,3-dihydrobenzofuran-7-carboxamide on Potency and Selectivity. Journal of Medicinal Chemistry, 2019, 62, 5330-5357.	2.9	26
29	Design, synthesis and determination of antifungal activity of 5(6)-substituted benzotriazoles. European Journal of Medicinal Chemistry, 2010, 45, 2214-2222.	2.6	25
30	Comprehensive Synthesis of Amino Acid-Derived Thiazole Peptidomimetic Analogues to Understand the Enigmatic Drug/Substrate-Binding Site of P-Glycoprotein. Journal of Medicinal Chemistry, 2018, 61, 834-864.	2.9	25
31	Identification of novel PARP-1 inhibitors by structure-based virtual screening. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 5790-5794.	1.0	22
32	Synthesis and SAR optimization of diketo acid pharmacophore for HCV NS5B polymerase inhibition. European Journal of Medicinal Chemistry, 2011, 46, 5138-5145.	2.6	19
33	Chemical Space Exploration around Thieno[3,2-d]pyrimidin-4(3H)-one Scaffold Led to a Novel Class of Highly Active Clostridium difficile Inhibitors. Journal of Medicinal Chemistry, 2019, 62, 9772-9791.	2.9	19
34	CEP-33779 antagonizes ATP-binding cassette subfamily B member 1 mediated multidrug resistance by inhibiting its transport function. Biochemical Pharmacology, 2014, 91, 144-156.	2.0	18
35	CoMFA and HQSAR studies on 6,7-dimethoxy-4-pyrrolidylquinazoline derivatives as phosphodiesterase10A inhibitors. Bioorganic and Medicinal Chemistry, 2008, 16, 3675-3686.	1.4	17
36	4-Thiazolidinones: a novel class of hepatitis C virus NS5B polymerase inhibitors. Frontiers in Bioscience - Landmark, 2008, Volume, 3857.	3.0	17

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37	Design and synthesis of l- and d-phenylalanine derived rhodanines with novel C5-arylidenes as inhibitors of HCV NS5B polymerase. Bioorganic and Medicinal Chemistry, 2013, 21, 3262-3271.	1.4	17
38	Design, Synthesis, and Biological Evaluation of (S)â€Valine Thiazoleâ€Derived Cyclic and Noncyclic Peptidomimetic Oligomers as Modulators of Human Pâ€Glycoprotein (ABCB1). ChemBioChem, 2014, 15, 157-169.	1.3	17
39	Dual inhibition of Staphylococcus aureus DNA gyrase and topoisomerase IV activity by phenylalanine-derived (Z)-5-arylmethylidene rhodanines. Bioorganic and Medicinal Chemistry, 2015, 23, 6125-6137.	1.4	16
40	In Vitro Antibacterial Activity of Rhodanine Derivatives against Pathogenic Clinical Isolates. PLoS ONE, 2016, 11, e0164227.	1.1	16
41	Discovery of new scaffolds for rational design of HCV NS5B polymerase inhibitors. European Journal of Medicinal Chemistry, 2012, 58, 258-264.	2.6	15
42	Recent development in the discovery of PARP inhibitors as anticancer agents: a patent update (2016-2020). Expert Opinion on Therapeutic Patents, 2021, 31, 609-623.	2.4	15
43	Thiazole-valine peptidomimetic (TTT-28) antagonizes multidrug resistance in vitro and in vivo by selectively inhibiting the efflux activity of ABCB1. Scientific Reports, 2017, 7, 42106.	1.6	10
44	Structure-based CoMFA and CoMSIA study of indolinone inhibitors of PDK1. Journal of Computer-Aided Molecular Design, 2009, 23, 25-36.	1.3	7
45	Design and Synthesis of Nâ€Substituted Indazoleâ€3â€Carboxamides as Poly(ADPâ€ribose)polymeraseâ€1 (PARPâ€1) Inhibitors^{â€}. Chemical Biology and Drug Design, 2012, 79, 488-496.	1.5	4
46	Influence of the RNase H domain of retroviral reverse transcriptases on the metal specificity and substrate selection of their polymerase domains. Virology Journal, 2009, 6, 159.	1.4	3
47	Synthesis of 2,3-dihydrobenzo[b][1,4]dioxine-5-carboxamide and 3-oxo-3,4-dihydrobenzo[b][1,4]oxazine-8-carboxamide derivatives as PARP1 inhibitors. Bioorganic Chemistry, 2020, 102, 104075.	2.0	3
48	Synthesis and Crystallographic Characterization of 1-((2-(2,4-Difluorophenyl)oxiran-2-yl)methyl)-1H-1,2,4-triazole: A Crucial Intermediate for the Synthesis of Azole Antifungal Drugs. Journal of Chemical Crystallography, 2009, 39, 923-926.	0.5	2
49	CoMSIA Study on Substituted Aryl Alkanoic Acid Analogs as GPR40 Agonists. Chemical Biology and Drug Design, 2011, 77, 361-372.	1.5	1