Chandrasekaran Balakumar

List of Publications by Year
in descending order

41	1,059	394421 19	454955 30
papers	citations	h-index	g-index

59	59	59	1381
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An insight on synthetic and medicinal aspects of pyrazolo[1,5-a]pyrimidine scaffold. European Journal of Medicinal Chemistry, 2017, 126, 298-352.	5.5	127
2	Phyto-Engineered Gold Nanoparticles (AuNPs) with Potential Antibacterial, Antioxidant, and Wound Healing Activities Under in vitro and in vivo Conditions . International Journal of Nanomedicine, 2020, Volume 15, 7553-7568.	6.7	84
3	Computer-Aided Prediction of Pharmacokinetic (ADMET) Properties. , 2018, , 731-755.		64
4	Synthesis, anticancer evaluation, and molecular docking studies of some novel 4,6-disubstituted pyrazolo[3,4-d]pyrimidines as cyclin-dependent kinase 2 (CDK2) inhibitors. Bioorganic Chemistry, 2018, 79, 46-59.	4.1	55
5	Dehydrozingerone Inspired Styryl Hydrazine Thiazole Hybrids as Promising Class of Antimycobacterial Agents. ACS Medicinal Chemistry Letters, 2016, 7, 686-691.	2.8	49
6	Perspectives on RNA Vaccine Candidates for COVID-19. Frontiers in Molecular Biosciences, 2021, 8, 635245.	3.5	44
7	Synthesis, anti-inflammatory evaluation, and docking studies of some new thiazole derivatives. Medicinal Chemistry Research, 2014, 23, 2780-2792.	2.4	43
8	Green biosynthesis of gold nanoparticles using Croton sparsiflorus leaves extract and evaluation of UV protection, antibacterial and anticancer applications. Applied Organometallic Chemistry, 2020, 34, e5574.	3.5	42
9	Synthesis of 4,6-disubstituted pyrazolo[3,4-d]pyrimidine analogues: Cyclin-dependent kinase 2 (CDK2) inhibition, molecular docking and anticancer evaluation. Journal of Molecular Structure, 2019, 1176, 538-551.	3.6	38
10	Neurological Consequences of SARS-CoV-2 Infection and Concurrence of Treatment-Induced Neuropsychiatric Adverse Events in COVID-19 Patients: Navigating the Uncharted. Frontiers in Molecular Biosciences, 2021, 8, 627723.	3.5	37
11	Synthesis, adenosine receptor binding and molecular modelling studies of novel thieno[2,3-d]pyrimidine derivatives. Chemical Biology and Drug Design, 2018, 91, 962-969.	3.2	33
12	An appraisal on synthetic and pharmaceutical perspectives of pyrazolo[4,3-d]pyrimidine scaffold. Bioorganic and Medicinal Chemistry, 2018, 26, 309-339.	3.0	31
13	Prospective Role of Peptide-Based Antiviral Therapy Against the Main Protease of SARS-CoV-2. Frontiers in Molecular Biosciences, 2021, 8, 628585.	3.5	31
14	Emerging Therapeutic Approaches to Combat COVID-19: Present Status and Future Perspectives. Frontiers in Molecular Biosciences, 2021, 8, 604447.	3.5	28
15	Ligand- and structure-basedin silicostudies to identify kinesin spindle protein (KSP) inhibitors as potential anticancer agents. Journal of Biomolecular Structure and Dynamics, 2018, 36, 3687-3704.	3.5	26
16	Molecular modeling approaches for the discovery of adenosine A2B receptor antagonists: current status and future perspectives. Drug Discovery Today, 2019, 24, 1854-1864.	6.4	26
17	7â€Aminoâ€2â€aryl/heteroâ€arylâ€5â€oxoâ€5,8â€dihydro[1,2,4]triazolo[1,5â€a]pyridineâ€6â€carbonitriles: Synthesis and adenosine receptor binding studies. Chemical Biology and Drug Design, 2019, 94, 1568-1573.	3.2	26
18	Synthesis and adenosine receptors binding studies of new fluorinated analogues of pyrido[2,3-d]pyrimidines and quinazolines. Medicinal Chemistry Research, 2018, 27, 756-767.	2.4	24

#	Article	IF	Citations
19	Design and synthesis of novel thiadiazole-thiazolone hybrids as potential inhibitors of the human mitotic kinesin Eg5. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2930-2938.	2.2	22
20	Design and synthesis of novel heterofused pyrimidine analogues as effective antimicrobial agents. Journal of Molecular Structure, 2019, 1183, 246-255.	3.6	22
21	Developmental Landscape of Potential Vaccine Candidates Based on Viral Vector for Prophylaxis of COVID-19. Frontiers in Molecular Biosciences, 2021, 8, 635337.	3.5	22
22	Crystal structure of the Eg5 - K858 complex and implications for structure-based design of thiadiazole-containing inhibitors. European Journal of Medicinal Chemistry, 2018, 156, 641-651.	5.5	21
23	Discovery of novel N-methyl carbazole tethered rhodanine derivatives as direct inhibitors of Mycobacterium tuberculosis InhA. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 2338-2344.	2.2	19
24	In silico Screening of Natural Phytocompounds Towards Identification of Potential Lead Compounds to Treat COVID-19. Frontiers in Molecular Biosciences, 2021, 8, 637122.	3.5	19
25	Therapeutic Potentials of A2B Adenosine Receptor Ligands: Current Status and Perspectives. Current Pharmaceutical Design, 2019, 25, 2741-2771.	1.9	18
26	Recent Advances in the In-silico Structure-based and Ligand-based Approaches for the Design and Discovery of Agonists and Antagonists of A2A Adenosine Receptor. Current Pharmaceutical Design, 2019, 25, 774-782.	1.9	17
27	Protein/Peptide Drug Delivery Systems. , 2019, , 651-684.		14
28	Novel thiomorpholine tethered isatin hydrazones as potential inhibitors of resistant Mycobacterium tuberculosis. Bioorganic Chemistry, 2021, 115, 105133.	4.1	13
29	Copperâ€Catalyzed Selfâ€Condensation of Benzamide: Domino Reactions towards Quinazolinones. European Journal of Organic Chemistry, 2018, 2018, 5382-5388.	2.4	11
30	Synthesis of Novel Pyrido[3,2â€e][1,2,4]triazolo[1,5â€c]pyrimidine Derivatives: Potent and Selective Adenosine A₃ Receptor Antagonists. Archiv Der Pharmazie, 2013, 346, 699-707.	4.1	10
31	Synthesis and Biological Evaluation of Novel Carbazole Hybrids as Promising Antimicrobial Agents. Chemistry and Biodiversity, 2020, 17, e1900550.	2.1	8
32	Standardization, in-silico and in-vivo safety assessment of methanol extract of Ziziphus mauritiana Lam leaves. Regulatory Toxicology and Pharmacology, 2022, 131, 105144.	2.7	6
33	Green Synthesis, Experimental and Theoretical Studies to Discover Novel Binders of Exosomal Tetraspanin CD81 Protein. ACS Omega, 2020, 5, 17973-17982.	3.5	5
34	Synthesis, antiproliferative activity and docking study of novel rhodanine derivatives as Bcr-Abl T1351 inhibitors. Research on Chemical Intermediates, 2017, 43, 5871-5887.	2.7	3
35	Ethics and Legal Protection of Uses of Computer Applications in Pharmaceutical Research. , 2018, , 757-770.		1
36	Basics of Crystallization Process Applied in Drug Exploration. , 2018, , 67-103.		1

#	Article	IF	Citations
37	Herbal Medications for the Management of Diabetes Mellitus: A Review. Current Traditional Medicine, 2020, 6, 332-350.	0.4	1
38	Editorial: Pharmacological and Biochemical Perspectives of Kinase Inhibitors in Cancer and COVID-19 Therapeutics, Volume I. Frontiers in Pharmacology, 0, 13, .	3.5	1
39	DEHYDROZINGERONE INSPIRED STYRYL HYDRAZINE THIAZOLE HYBRIDS AS PROMISING CLASS OF ANTI-MYCOBACTERIAL AGENTS. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-9-4.	0.0	0
40	Pharmacology of Adenosine Receptors. , 2020, , 325-359.		0
41	Drug-Receptor Interactions. , 2020, , 31-68.		0