

Chandrasekaran Balakumar

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,059
citations

394421

19
h-index

454955

30
g-index

59
all docs

59
docs citations

59
times ranked

1381
citing authors

#	ARTICLE	IF	CITATIONS
1	Standardization, in-silico and in-vivo safety assessment of methanol extract of <i>Ziziphus mauritiana</i> Lam leaves. <i>Regulatory Toxicology and Pharmacology</i> , 2022, 131, 105144.	2.7	6
2	Neurological Consequences of SARS-CoV-2 Infection and Concurrence of Treatment-Induced Neuropsychiatric Adverse Events in COVID-19 Patients: Navigating the Uncharted. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 627723.	3.5	37
3	Emerging Therapeutic Approaches to Combat COVID-19: Present Status and Future Perspectives. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 604447.	3.5	28
4	Perspectives on RNA Vaccine Candidates for COVID-19. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 635245.	3.5	44
5	Developmental Landscape of Potential Vaccine Candidates Based on Viral Vector for Prophylaxis of COVID-19. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 635337.	3.5	22
6	Prospective Role of Peptide-Based Antiviral Therapy Against the Main Protease of SARS-CoV-2. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 628585.	3.5	31
7	In silico Screening of Natural Phytocompounds Towards Identification of Potential Lead Compounds to Treat COVID-19. <i>Frontiers in Molecular Biosciences</i> , 2021, 8, 637122.	3.5	19
8	Novel thiomorpholine tethered isatin hydrazones as potential inhibitors of resistant <i>Mycobacterium tuberculosis</i> . <i>Bioorganic Chemistry</i> , 2021, 115, 105133.	4.1	13
9	<p>Phyto-Engineered Gold Nanoparticles (AuNPs) with Potential Antibacterial, Antioxidant, and Wound Healing Activities Under in vitro and in vivo Conditions</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 7553-7568.	6.7	84
10	Green Synthesis, Experimental and Theoretical Studies to Discover Novel Binders of Exosomal Tetraspanin CD81 Protein. <i>ACS Omega</i> , 2020, 5, 17973-17982.	3.5	5
11	Synthesis and Biological Evaluation of Novel Carbazole Hybrids as Promising Antimicrobial Agents. <i>Chemistry and Biodiversity</i> , 2020, 17, e1900550.	2.1	8
12	Green biosynthesis of gold nanoparticles using <i>Croton sparsiflorus</i> leaves extract and evaluation of UV protection, antibacterial and anticancer applications. <i>Applied Organometallic Chemistry</i> , 2020, 34, e5574.	3.5	42
13	Pharmacology of Adenosine Receptors. , 2020, , 325-359.		0
14	Drug-Receptor Interactions. , 2020, , 31-68.		0
15	Herbal Medications for the Management of Diabetes Mellitus: A Review. <i>Current Traditional Medicine</i> , 2020, 6, 332-350.	0.4	1
16	Design and synthesis of novel heterofused pyrimidine analogues as effective antimicrobial agents. <i>Journal of Molecular Structure</i> , 2019, 1183, 246-255.	3.6	22
17	Protein/Peptide Drug Delivery Systems. , 2019, , 651-684.		14
18	Discovery of novel N-methyl carbazole tethered rhodanine derivatives as direct inhibitors of <i>Mycobacterium tuberculosis</i> InhA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 2338-2344.	2.2	19

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19	Molecular modeling approaches for the discovery of adenosine A2B receptor antagonists: current status and future perspectives. <i>Drug Discovery Today</i> , 2019, 24, 1854-1864.	6.4	26
20	7- <i>Amino-2-aryl/hetero-aryl-5,8-dihydro[1,2,4]triazolo[1,5-a]pyridine-6-carbonitriles</i> ; Synthesis and adenosine receptor binding studies. <i>Chemical Biology and Drug Design</i> , 2019, 94, 1568-1573.	3.2	26
21	Synthesis of 4,6-disubstituted pyrazolo[3,4-d]pyrimidine analogues: Cyclin-dependent kinase 2 (CDK2) inhibition, molecular docking and anticancer evaluation. <i>Journal of Molecular Structure</i> , 2019, 1176, 538-551.	3.6	38
22	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. <i>Current Pharmaceutical Design</i> , 2019, 25, 774-782.	1.9	17
23	Therapeutic Potentials of A2B Adenosine Receptor Ligands: Current Status and Perspectives. <i>Current Pharmaceutical Design</i> , 2019, 25, 2741-2771.	1.9	18
24	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. <i>Bioorganic Chemistry</i> , 2018, 79, 46-59.	4.1	55
25	Ligand- and structure-based <i>in silico</i> studies to identify kinesin spindle protein (KSP) inhibitors as potential anticancer agents. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 3687-3704.	3.5	26
26	An appraisal on synthetic and pharmaceutical perspectives of pyrazolo[4,3-d]pyrimidine scaffold. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 309-339.	3.0	31
27	Synthesis and adenosine receptors binding studies of new fluorinated analogues of pyrido[2,3-d]pyrimidines and quinazolines. <i>Medicinal Chemistry Research</i> , 2018, 27, 756-767.	2.4	24
28	Synthesis, adenosine receptor binding and molecular modelling studies of novel thieno[2,3-d]pyrimidine derivatives. <i>Chemical Biology and Drug Design</i> , 2018, 91, 962-969.	3.2	33
29	Copper-Catalyzed Self-Condensation of Benzamide: Domino Reactions towards Quinazolinones. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5382-5388.	2.4	11
30	Design and synthesis of novel thiadiazole-thiazolone hybrids as potential inhibitors of the human mitotic kinesin Eg5. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2930-2938.	2.2	22
31	Crystal structure of the Eg5 - K858 complex and implications for structure-based design of thiadiazole-containing inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2018, 156, 641-651.	5.5	21
32	Ethics and Legal Protection of Uses of Computer Applications in Pharmaceutical Research. , 2018, , 757-770.		1
33	Computer-Aided Prediction of Pharmacokinetic (ADMET) Properties. , 2018, , 731-755.		64
34	Basics of Crystallization Process Applied in Drug Exploration. , 2018, , 67-103.		1
35	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
36	Synthesis, antiproliferative activity and docking study of novel rhodanine derivatives as Bcr-Abl T1351 inhibitors. <i>Research on Chemical Intermediates</i> , 2017, 43, 5871-5887.	2.7	3

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37	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
38	Dehydrozingerone Inspired Styryl Hydrazine Thiazole Hybrids as Promising Class of Antimycobacterial Agents. ACS Medicinal Chemistry Letters, 2016, 7, 686-691.	2.8	49
39	Synthesis, anti-inflammatory evaluation, and docking studies of some new thiazole derivatives. Medicinal Chemistry Research, 2014, 23, 2780-2792.	2.4	43
40	Synthesis of Novel Pyrido[3,2- <i>e</i>][1,2,4]triazolo[1,5- <i>c</i>]pyrimidine Derivatives: Potent and Selective Adenosine A ₃ Receptor Antagonists. Archiv Der Pharmazie, 2013, 346, 699-707.	4.1	10
41	Editorial: Pharmacological and Biochemical Perspectives of Kinase Inhibitors in Cancer and COVID-19 Therapeutics, Volume I. Frontiers in Pharmacology, 0, 13, .	3.5	1