Sankaranarayanan Murugesan

List of Publications by Year
in descending order

88 papers	1,820 citations	257357 24 h-index	360920 35 g-index
90 all docs	90 docs citations	90 times ranked	1942 citing authors

#	ARTICLE	IF	CITATIONS
1	Oxindole and its derivatives: A review on recent progress in biological activities. Biomedicine and Pharmacotherapy, 2021, 141, 111842.	2.5	131
2	Druggable targets of SARS-CoV-2 and treatment opportunities for COVID-19. Bioorganic Chemistry, 2020, 104, 104269.	2.0	74
3	A medicinal chemistry perspective of drug repositioning: Recent advances and challenges in drug discovery. European Journal of Medicinal Chemistry, 2020, 195, 112275.	2.6	72
4	Pyridine- and Thiazole-Based Hydrazides with Promising Anti-inflammatory and Antimicrobial Activities along with Their In Silico Studies. ACS Omega, 2020, 5, 25228-25239.	1.6	59
5	Pharmacophore based virtual screening, molecular docking, molecular dynamics and MM-GBSA approach for identification of prospective SARS-CoV-2 inhibitor from natural product databases. Journal of Biomolecular Structure and Dynamics, 2022, 40, 1363-1386.	2.0	58
6	Manzamine alkaloids: isolation, cytotoxicity, antimalarial activity and SAR studies. Drug Discovery Today, 2014, 19, 1781-1791.	3.2	53
7	Design, synthesis of new Î²-carboline derivatives and their selective anti-HIV-2 activity. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1232-1235.	1.0	49
8	Manzamine alkaloids as antileishmanial agents: A review. European Journal of Medicinal Chemistry, 2015, 97, 928-936.	2.6	45
9	Review on in-vitro anti-Malarial activity of Natural β-carboline Alkaloids. Mini-Reviews in Medicinal Chemistry, 2013, 13, 1778-1791.	1.1	44
10	Surface receptorâ€mediated targeted drug delivery systems for enhanced cancer treatment: A stateâ€ofâ€theâ€art review. Drug Development Research, 2021, 82, 309-340.	1.4	42
11	Medicinal chemistry perspectives of 1,2,3,4-tetrahydroisoquinoline analogs â€“ biological activities and SAR studies. RSC Advances, 2021, 11, 12254-12287.	1.7	41
12	Novel thiophene Chalcones-Coumarin as acetylcholinesterase inhibitors: Design, synthesis, biological evaluation, molecular docking, ADMET prediction and molecular dynamics simulation. Bioorganic Chemistry, 2022, 119, 105572.	2.0	40
13	Pharmacoinformatics-based investigation of bioactive compounds of Rasam (South Indian recipe) against human cancer. Scientific Reports, 2021, 11, 21488.	1.6	38
14	Synthesis and study of anti-HIV-1 RT activity of 5-benzoyl-4-methyl-1,3,4,5-tetrahydro- 2H -1,5-benzodiazepin-2-one derivatives. Bioorganic Chemistry, 2017, 72, 74-79.	2.0	35
15	Capsaicin-loaded solid lipid nanoparticles: design, biodistribution, in silico modeling and in vitro cytotoxicity evaluation. Nanotechnology, 2021, 32, 095101.	1.3	34
16	Design, synthesis and in-vitro evaluation of novel tetrahydroquinoline carbamates as HIV-1 RT inhibitor and their antifungal activity. Bioorganic Chemistry, 2016, 64, 66-73.	2.0	32
17	Screening Marine Natural Products for New Drug Leads against Trypanosomatids and Malaria. Marine Drugs, 2020, 18, 187.	2.2	32
18	Design, synthesis, Î±-amylase inhibition and in silico docking study of novel quinoline bearing proline derivatives. Journal of Molecular Structure, 2020, 1208, 127873.	1.8	30

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19	Synthesis, biological evaluation, molecular docking, molecular dynamics and DFT studies of quinoline-fluoroproline amide hybrids. Journal of Molecular Structure, 2020, 1217, 128360.	1.8	29
20	Synthesis and anti-leishmanial evaluation of 1-phenyl-2,3,4,9-tetrahydro-1 H -Î²-carboline derivatives against Leishmania infantum. European Journal of Medicinal Chemistry, 2016, 123, 814-821.	2.6	28
21	Modeling a pH-sensitive Zein-co-acrylic acid hybrid hydrogels loaded 5-fluorouracil and rutin for enhanced anticancer efficacy by oral delivery. 3 Biotech, 2019, 9, 185.	1.1	28
22	Rational design, synthesis, anti-HIV-1 RT and antimicrobial activity of novel 3-(6-methoxy-3,4-dihydroquinolin-1(2H)-yl)-1-(piperazin-1-yl)propan-1-one derivatives. Bioorganic Chemistry, 2016, 67, 75-83.	2.0	26
23	Biological evaluation and structure activity relationship of 9-methyl-1-phenyl-9H-pyrido[3,4-b]indole derivatives as anti-leishmanial agents. Bioorganic Chemistry, 2019, 84, 98-105.	2.0	26
24	Discovery of 1,2,3-triazole based quinoxaline-1,4-di-N-oxide derivatives as potential anti-tubercular agents. Bioorganic Chemistry, 2020, 100, 103955.	2.0	26
25	Formulation and evaluation of rutin-loaded solid lipid nanoparticles for the treatment of brain tumor. Naunyn-Schmiedeberg's Archives of Pharmacology, 2021, 394, 735-749.	1.4	25
26	Formulation and characterization of folate receptor-targeted PEGylated liposome encapsulating bioactive compounds from Kappaphycus alvarezii for cancer therapy. 3 Biotech, 2020, 10, 136.	1.1	24
27	Identification and development of pyrazolo[4,3-c]pyridine carboxamides as Mycobacterium tuberculosis pantothenate synthetase inhibitors. New Journal of Chemistry, 2017, 41, 347-357.	1.4	23
28	Optimization of bioactive compounds extraction assisted by microwave parameters from Kappaphycus alvarezii using RSM and ANFIS modeling. Journal of Food Measurement and Characterization, 2019, 13, 2773-2789.	1.6	23
29	Design, synthesis and Î±-amylase inhibitory activity of novel chromone derivatives. Bioorganic Chemistry, 2017, 74, 158-165.	2.0	22
30	Design, synthesis and biological evaluation of piperazinyl-Î²-carbolinederivatives as anti-leishmanial agents. European Journal of Medicinal Chemistry, 2018, 150, 559-566.	2.6	22
31	Design, synthesis and evaluation of diarylpiperazine derivatives as potent anti-tubercular agents. European Journal of Medicinal Chemistry, 2015, 105, 238-244.	2.6	21
32	Molecular Docking and Molecular Dynamics Simulation Based Approach to Explore the Dual Inhibitor Against HIV-1 Reverse Transcriptase and Integrase. Combinatorial Chemistry and High Throughput Screening, 2017, 20, 734-746.	0.6	21
33	Synthesis and in-vitro anti-leishmanial activity of (4-arylpiperazin-1-yl)(1-(thiophen-2-yl)-9 H -pyrido[3,4-) Tj ETQq1 1 0.784314 rgBT /Ove	2.0	20
34	Design, synthesis, in silico studies, and evaluation of novel chalcones and their pyrazoline derivatives for antibacterial and antitubercular activities. Medicinal Chemistry Research, 2020, 29, 1819-1835.	1.1	20
35	Hit optimization studies of 3-hydroxy-indolin-2-one analogs as potential anti-HIV-1 agents. Bioorganic Chemistry, 2018, 79, 212-222.	2.0	19
36	In silico discovery of multi-targeting inhibitors for the COVID-19 treatment by molecular docking, molecular dynamics simulation studies, and ADMET predictions. Structural Chemistry, 2022, 33, 1645-1665.	1.0	19

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37	De-novo design, synthesis and evaluation of novel 6,7-dimethoxy-1,2,3,4-tetrahydroisoquinoline derivatives as HIV-1 reverse transcriptase inhibitors. Chemistry Central Journal, 2015, 9, 33.	2.6	18
38	Preparation of liposomes encapsulated Epirubicin-gold nanoparticles for Tumor specific delivery and release. Biomedical Physics and Engineering Express, 2018, 4, 045027.	0.6	18
39	In-vivo and in-silico toxicity studies of daidzein: an isoflavone from soy. Drug and Chemical Toxicology, 2022, 45, 1408-1416.	1.2	18
40	Design, synthesis and biological evaluation of novel 1,2,3-triazole analogues of Imidazo-[1,2-a]-pyridine-3-carboxamide against Mycobacterium tuberculosis. Toxicology in Vitro, 2021, 74, 105137.	1.1	18
41	In silico, in vitro screening of antioxidant and anticancer potentials of bioactive secondary metabolites from an endophytic fungus (Curvularia sp.) from Phyllanthus niruri L. Environmental Science and Pollution Research, 2022, 29, 48908-48925.	2.7	18
42	Design, synthesis and biological evaluation of 1,2,3-triazole based 2-aminobenzimidazoles as novel inhibitors of LasR dependent quorum sensing in Pseudomonas aeruginosa. RSC Advances, 2019, 9, 29273-29292.	1.7	17
43	Synthesis, study of antileishmanial and antitrypanosomal activity of imidazo pyridine fused triazole analogues. RSC Advances, 2020, 10, 38328-38343.	1.7	17
44	1,2,3,4-Tetrahydroisoquinoline (THIQ) as privileged scaffold for anticancer de novo drug design. Expert Opinion on Drug Discovery, 2021, 16, 1119-1147.	2.5	17
45	Design, synthesis and anti-HIV-1 RT evaluation of 2-(benzyl(4-chlorophenyl)amino)-1-(piperazin-1-yl)ethanone derivatives. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 61-65.	1.0	16
46	Targeting a conserved pocket (n-octyl-Î²-Dâ€“glucoside) on the dengue virus envelope protein by small bioactive molecule inhibitors. Journal of Biomolecular Structure and Dynamics, 2020, , 1-13.	2.0	15
47	Psoralen Derivatives: Recent Advances of Synthetic Strategy and Pharmacological Properties. Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry, 2020, 19, 222-239.	1.1	15
48	In silico and in vitro analysis of PPAR â€“ Î± / Î³ dual agonists: Comparative evaluation of potential phytochemicals with anti-obesity drug orlistat. Computers in Biology and Medicine, 2022, 147, 105796.	3.9	15
49	In Silico and In Vivo Toxicological Evaluation of Paeonol. Chemistry and Biodiversity, 2020, 17, e2000422.	1.0	14
50	De novo design and in-silico studies of novel 1-phenyl-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole-3-carboxylic acid derivatives as HIV-1 reverse transcriptase inhibitors. Medicinal Chemistry Research, 2014, 23, 3662-3670.	1.1	13
51	Synthesis, characterization, POM analysis and antifungal activity of novel heterocyclic chalcone derivatives containing acylated pyrazole. Research on Chemical Intermediates, 2017, 43, 1893-1907.	1.3	13
52	Rational modification of a lead molecule: Improving the antifungal activity of indole â€“ triazole â€“ amino acid conjugates. European Journal of Medicinal Chemistry, 2018, 155, 658-669.	2.6	13
53	Recent evolution on synthesis strategies and anti-leishmanial activity of Î²-carboline derivatives â€“ An update. Heliyon, 2020, 6, e04916.	1.4	13
54	Design Graph Theoretical Analysis and In Silico Modeling of Dunaliella Bardawil Biomass Encapsulated N-Succinyl Chitosan Nanoparticles for Enhanced Anticancer Activity. Anti-Cancer Agents in Medicinal Chemistry, 2019, 18, 1900-1918.	0.9	13

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55	Design, In Silico Modelling, and Functionality Theory of Novel Folate Receptor Targeted Rutin Encapsulated Folic Acid Conjugated Keratin Nanoparticles for Effective Cancer Treatment. Anti-Cancer Agents in Medicinal Chemistry, 2020, 19, 1966-1982.	0.9	13
56	In-silico design and study of novel piperazinyl Î²-carbolines as inhibitor of HIV-1 reverse transcriptase. Medicinal Chemistry Research, 2015, 24, 513-522.	1.1	11
57	Design, graph theoretical analysis and bioinformatic studies of proanthocyanidins encapsulated ethyl cellulose nanoparticles for effective anticancer activity. Biomedical Physics and Engineering Express, 2019, 5, 025004.	0.6	11
58	Design, synthesis and anti-mycobacterial evaluation of imidazo[1,2-a]pyridine analogues. RSC Medicinal Chemistry, 2022, 13, 327-342.	1.7	11
59	Synthesis, evaluation and molecular docking studies of amino acid derived N-glycoconjugates as antibacterial agents. Bioorganic Chemistry, 2015, 63, 110-115.	2.0	10
60	Design and in silico modeling of Indoloquinoxaline incorporated keratin nanoparticles for modulation of glucose metabolism in 3T3â€L1 adipocytes. Biotechnology Progress, 2020, 36, e2904.	1.3	10
61	Optimization and analysis of ultrasound-assisted extraction of bioactive polyphenols from Garcinia indica using RSM and ANFIS modeling and its anticancer activity. Journal of the Iranian Chemical Society, 2020, 17, 789-801.	1.2	9
62	Design, synthesis and biological evaluation of 7â€“(5â€“((substituted â€“) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (amino)-methyl anticancer agents. Bioorganic Chemistry, 2021, 112, 104865.	2.0	9
63	Novel phenanthridine amide analogs as potential anti-leishmanial agents: In vitro and in silico insights. Bioorganic Chemistry, 2021, 117, 105414.	2.0	9
64	Recent Update on the Anti-infective Potential of Î²-carboline Analogs. Mini-Reviews in Medicinal Chemistry, 2021, 21, 398-425.	1.1	8
65	Design, synthesis and evaluation of novel Î²-carboline ester analogues as potential anti-leishmanial agents. Journal of Biomolecular Structure and Dynamics, 2022, 40, 12592-12607.	2.0	8
66	Liposomes: An emerging carrier for targeting Alzheimer's and Parkinson's diseases. Heliyon, 2022, 8, e09575.	1.4	8
67	Structure-based virtual screening and docking studies for the identification of novel inhibitors against wild and drug resistance strains of HIV-1 RT. Medicinal Chemistry Research, 2015, 24, 1869-1883.	1.1	7
68	Seeking potent anti-tubercular agents: design and synthesis of substituted-N-(6-(4-(pyrazine-2-carbonyl)piperazine/homopiperazine-1-yl)pyridin-3-yl)benzamide derivatives as anti-tubercular agents. RSC Advances, 2020, 10, 12272-12288.	1.7	7
69	Antiâ€Tubercular Insights of Carbolines â€“ A Decade Critique. ChemistrySelect, 2021, 6, 2428-2445.	0.7	7
70	Identification of Papain-Like Protease inhibitors of SARS CoV-2 through HTVS, Molecular docking, MMGBSA and Molecular dynamics approach. South African Journal of Botany, 2022, 151, 82-91.	1.2	7
71	Synthesis, evaluation and molecular modelling studies of some novel 3-(3,4-dihydroisoquinolin-2(1H)-yl)-N-(substitutedphenyl) propanamides as HIV-1 non-nucleoside reverse transcriptase inhibitors. Journal of Chemical Sciences, 2010, 122, 169-176.	0.7	6
72	Design, synthesis and biological evaluation of novel quinolineâ€based carboxylic hydrazides as antiâ€tubercular agents. Chemical Biology and Drug Design, 2016, 88, 585-591.	1.5	6

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73	Synthesis and activity of benzopiperidine, benzopyridine and phenyl piperazine based compounds against Leishmania infantum. Experimental Parasitology, 2018, 189, 49-60.	0.5	5
74	Sulfurâ€Assisted Deprotection of Methylene Nitrile Group: Oneâ€Pot Synthesis of 4â€Substitutedâ€2 H â€1,2,3â€triazoles. ChemistrySelect, 2018, 3, 7565-7571.	0.7	5
75	Sequential multicomponent catalytic synthesis of pyrrole-3-carboxaldehydes: evaluation of antibacterial and antifungal activities along with docking studies. New Journal of Chemistry, 2020, 44, 16329-16339.	1.4	5
76	Impact of Physicochemical Parameters on Effective Extraction of Bioactive Compounds from Natural Sources: An Overview. Current Bioactive Compounds, 2022, 18, .	0.2	5
77	Coumarin-Oxadiazole Derivatives: Synthesis and Pharmacological Properties. Mini-Reviews in Organic Chemistry, 2020, 17, 780-794.	0.6	5
78	Optimization of Microwave-assisted Extraction of Bioactive Compounds from Dunaliella bardawil Using RSM and ANFIS Modeling and Assessment of the Anticancer Activity of Bioactive Compounds. Current Microwave Chemistry, 2019, 5, 139-154.	0.2	5
79	Search for new therapeutics against HIV-1 via dual inhibition of RNase H and integrase: current status and future challenges. Future Medicinal Chemistry, 2021, 13, 269-286.	1.1	4
80	Green Synthesis, in-vitro Antimicrobial Evaluation, Docking, and SAR Studies of Potent Quinoline-4-Carboxylic Acids. Letters in Organic Chemistry, 2019, 16, 874-883.	0.2	4
81	Quinolineâ€Proline, Triazole Hybrids: Design, Synthesis, Antituberculosis, Molecular Docking, and ADMET Studies. Journal of Heterocyclic Chemistry, 2021, 58, 952-968.	1.4	2
82	Search for structurally diverse heterocyclic analogs as dual-acting antimalarial and antileishmanial agents: An overview. European Journal of Medicinal Chemistry Reports, 2022, 4, 100031.	0.6	2
83	Design, synthesis and evaluation of novel phenanthridine triazole analogs as potential antileishmanial agents. Future Medicinal Chemistry, 2022, 14, 867-880.	1.1	2
84	l-Ornithine-N5-monooxygenase (PvdA) Substrate Analogue Inhibitors for Pseudomonas aeruginosa Infections Treatment: Drug Repurposing Computational Studies. Biomolecules, 2022, 12, 887.	1.8	2
85	Design, synthesis and structureâ€“activity relationship studies of novel spirochromanone hydrochloride analogs as anticancer agents. Future Medicinal Chemistry, 2022, 14, 325-342.	1.1	1
86	Discovery of potent antitubercular agents: Design, synthesis and biological evaluation of 4-(3-(4-substitutedpiperazin-1-yl)-quinoxalin-2-yl)-naphthalen-1-ol analogues. Toxicology in Vitro, 2022, 82, 105370.	1.1	1
87	One-Pot Synthesis of Novel Hydrazono-1,3-ThÄ±azolÄ±dÄ±n-4-One Derivatives as Anti-HIV and Anti-Tubercular Agents: SynthesÄ±s, BÄ±ologÄ±cal EvaluatÄ±on, Molecular Modelling and Admet StudÄ±es. Current HIV Research, 2022, 20, 255-271.	0.2	1
88	Design and study of novel chromone and thiochromone derivatives as PfLDH inhibitors â€" computational approach. Structural Chemistry, 0, , .	1.0	0