

Venkatesan Jayaprakash

List of Publications by Citations

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84
papers

1,469
citations

25
h-index

34
g-index

105
ext. papers

1,746
ext. citations

3.6
avg, IF

4.77
L-index

#	Paper	IF	Citations
84	Exploration of chlorinated thienyl chalcones: A new class of monoamine oxidase-B inhibitors. <i>International Journal of Biological Macromolecules</i> , 2016 , 91, 680-95	7.9	60
83	Towards development of selective and reversible pyrazoline based MAO-inhibitors: Synthesis, biological evaluation and docking studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 132-6	2.9	58
82	Monoamine Oxidase Inhibitory Action of Chalcones: A Mini Review. <i>Central Nervous System Agents in Medicinal Chemistry</i> , 2016 , 16, 120-36	1.8	51
81	Synthesis, Biochemistry, and Computational Studies of Brominated Thienyl Chalcones: A New Class of Reversible MAO-B Inhibitors. <i>ChemMedChem</i> , 2016 , 11, 1161-71	3.7	49
80	Small molecules with structural similarities to siderophores as novel antimicrobials against <i>Mycobacterium tuberculosis</i> and <i>Yersinia pestis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 2662-8	2.9	47
79	Monoamine oxidase inhibitory activity of 3,5-biaryl-4,5-dihydro-1H-pyrazole-1-carboxylate derivatives. <i>European Journal of Medicinal Chemistry</i> , 2013 , 69, 762-7	6.8	46
78	Pyrazoline-based mycobactin analogues as MAO-inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 6362-8	2.9	46
77	Monoamine Oxidase Inhibitory Activity of Novel Pyrazoline Analogues: Curcumin Based Design and Synthesis. <i>ACS Medicinal Chemistry Letters</i> , 2016 , 7, 56-61	4.3	43
76	Development of selective and reversible pyrazoline based MAO-A inhibitors: Synthesis, biological evaluation and docking studies. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 1875-81	3.4	42
75	Design, synthesis and anticancer activity of piperazine hydroxamates and their histone deacetylase (HDAC) inhibitory activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 3906-10	2.9	42
74	Thiazolidone derivatives as inhibitors of chikungunya virus. <i>European Journal of Medicinal Chemistry</i> , 2015 , 89, 172-8	6.8	41
73	Synthesis, cytotoxic activity and docking studies of new 4-aza-podophyllotoxin derivatives. <i>Medicinal Chemistry Research</i> , 2015 , 24, 3305-3313	2.2	41
72	Thiazolidinediones and PPAR orchestra as antidiabetic agents: From past to present. <i>European Journal of Medicinal Chemistry</i> , 2017 , 126, 879-893	6.8	40
71	Biodegradable polymers in drug delivery and oral vaccination. <i>European Polymer Journal</i> , 2021 , 142, 110155	5.5	38
70	Pyrazoline based MAO inhibitors: synthesis, biological evaluation and SAR studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 4296-300	2.9	36
69	Synthesis, antimicrobial and anticancer activity of new thiosemicarbazone derivatives. <i>Archiv Der Pharmazie</i> , 2011 , 344, 84-90	4.3	35
68	Monoamine oxidase inhibitory activity of 2-aryl-4H-chromen-4-ones. <i>Bioorganic Chemistry</i> , 2015 , 58, 72-80	3.1	34

67	Potent and Selective Monoamine Oxidase-B Inhibitory Activity: Fluoro- vs. Trifluoromethyl-4-hydroxylated Chalcone Derivatives. <i>Chemistry and Biodiversity</i> , 2016 , 13, 1046-52	2.5	34
66	Progress and prospects on DENV protease inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2016 , 117, 125-43	6.8	31
65	A perspective on targeting non-structural proteins to combat neglected tropical diseases: Dengue, West Nile and Chikungunya viruses. <i>European Journal of Medicinal Chemistry</i> , 2014 , 87, 677-702	6.8	29
64	Synthesis and ribonucleotide reductase inhibitory activity of thiosemicarbazones. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008 , 18, 6248-50	2.9	29
63	Design, synthesis, optimization and antiviral activity of a class of hybrid dengue virus E protein inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 1747-1752	2.9	28
62	Quinazoline derivatives as selective CYP1B1 inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2017 , 130, 320-327	6.8	27
61	Development of CoMFA and CoMSIA models of cytotoxicity data of anti-HIV-1-phenylamino-1H-imidazole derivatives. <i>European Journal of Medicinal Chemistry</i> , 2009 , 44, 2400-7	6.8	27
60	A novel druggable interprotomer pocket in the capsid of rhino- and enteroviruses. <i>PLoS Biology</i> , 2019 , 17, e3000281	9.7	25
59	Monoamine Oxidase Inhibitors: Perspective Design for the Treatment of Depression and Neurological Disorders. <i>Current Enzyme Inhibition</i> , 2016 , 12, 115-122	0.5	24
58	Novel Benzylidene Thiazolidinedione Derivatives as Partial PPAR α Agonists and their Antidiabetic Effects on Type 2 Diabetes. <i>Scientific Reports</i> , 2017 , 7, 14453	4.9	23
57	Synthesis and molecular modelling studies of novel sulphonamide derivatives as dengue virus 2 protease inhibitors. <i>Bioorganic Chemistry</i> , 2015 , 62, 74-82	5.1	22
56	Curcumin-based pyrazoline analogues as selective inhibitors of human monoamine oxidase A. <i>MedChemComm</i> , 2018 , 9, 1164-1171	5	21
55	Monoamine Oxidase Inhibitory Activity of Ferulic Acid Amides: Curcumin-Based Design and Synthesis. <i>Archiv Der Pharmazie</i> , 2016 , 349, 9-19	4.3	20
54	Anticonvulsant activity of Benkara malabarica (Linn.) root extract: In vitro and in vivo investigation. <i>Journal of Ethnopharmacology</i> , 2010 , 128, 533-6	5	18
53	Ebola virus: current and future perspectives. <i>Infectious Disorders - Drug Targets</i> , 2015 , 15, 20-31	1.1	17
52	Histone deacetylase inhibitors: a review on class-I specific inhibition. <i>Mini-Reviews in Medicinal Chemistry</i> , 2015 , 15, 731-50	3.2	17
51	Biphenyl urea derivatives as selective CYP1B1 inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2016 , 14, 8931-8936	3.9	17
50	Cink4T, a quinazolinone-based dual inhibitor of Cdk4 and tubulin polymerization, identified via ligand-based virtual screening, for efficient anticancer therapy. <i>European Journal of Medicinal Chemistry</i> , 2019 , 165, 115-132	6.8	17

49	Design, synthesis and MAO inhibitory activity of 2-(arylmethylidene)-2,3-dihydro-1-benzofuran-3-one derivatives. <i>Chinese Chemical Letters</i> , 2017 , 28, 1528-1532 ¹⁶	8.1	16
48	Farnesyl Transferase Inhibitors as Potential Anticancer Agents. <i>Mini-Reviews in Medicinal Chemistry</i> , 2018 , 18, 1611-1623	3.2	16
47	Reaching beyond HIV/HCV: nelfinavir as a potential starting point for broad-spectrum protease inhibitors against dengue and chikungunya virus. <i>RSC Advances</i> , 2015 , 5, 85938-85949	3.7	15
46	Identification of Pyrazole Derivative as an Antiviral Agent Against Chikungunya Through HTVS. <i>Letters in Drug Design and Discovery</i> , 2015 , 12, 292-301	0.8	14
45	Borax Catalysed Domino Synthesis of Highly Functionalised Spirooxindole and Chromenopyridine Derivatives: X-Ray Structure, Hirshfeld Surface Analysis and Molecular Docking Studies. <i>ChemistrySelect</i> , 2018 , 3, 8669-8677	1.8	12
44	Chemical scaffolds with structural similarities to siderophores of nonribosomal peptide-polyketide origin as novel antimicrobials against <i>Mycobacterium tuberculosis</i> and <i>Yersinia pestis</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 6533-7	2.9	12
43	A novel N-hydroxy-NSaminoguanidine derivative inhibits ribonucleotide reductase activity: Effects in human HL-60 promyelocytic leukemia cells and synergism with arabinofuranosylcytosine (Ara-C). <i>Biochemical Pharmacology</i> , 2011 , 81, 50-9	6	11
42	Quinazolinone derivative BNUA-3 ameliorated [NDEA+2-AAF]-induced liver carcinogenesis in SD rats by modulating AhR-CYP1B1-Nrf2-Keap1 pathway. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020 , 47, 143-157	3	11
41	The Mycobactin Biosynthesis Pathway: A Prospective Therapeutic Target in the Battle against Tuberculosis. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 71-100	8.3	10
40	Methyl-2-arylidene hydrazinecarbodithioates: synthesis and biological activity. <i>Chemical Papers</i> , 2013 , 67, 650-656	1.9	9
39	Thiosemicarbazone derivatives, thiazolyl hydrazones, effectively inhibit leukemic tumor cell growth: Down-regulation of ribonucleotide reductase activity and synergism with arabinofuranosylcytosine. <i>Food and Chemical Toxicology</i> , 2017 , 108, 53-62	4.7	9
38	Synthesis and Antidepressant activity of pyrazoline based MAO-inhibitors. <i>Journal of Pharmaceutical Chemistry</i> , 2016 , 3, 1	0	9
37	Synthesis and Antiviral Activity of 2-aryl-4H-chromen-4-one Derivatives Against Chikungunya Virus. <i>Letters in Drug Design and Discovery</i> , 2016 , 13, 1019-1024	0.8	9
36	Quantum chemical insight into molecular structure, NBO analysis of the hydrogen-bonded interactions, spectroscopic (FT-IR, FT-Raman), drug likeness and molecular docking of the novel anti COVID-19 molecule 2-[(4,6-diaminopyrimidin-2-yl)sulfanyl]-N-(4-fluorophenyl)acetamide - dimer. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 244, 118825	4.4	9
35	Monoamine Oxidase Inhibitory Activity of Novel Pyrazoline Analogues: Curcumin Based Design and Synthesis-II. <i>ChemistrySelect</i> , 2016 , 1, 5879-5884	1.8	8
34	Antidiabetic activity of <i>Pterospermum acerifolium</i> flowers and glucose uptake potential of bioactive fraction in L6 muscle cell lines with its HPLC fingerprint. <i>BioMed Research International</i> , 2014 , 2014, 459376	3	8
33	Structure based virtual screening of GSK-3beta: importance of protein flexibility and induced fit. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 5582-5	2.9	8
32	CYP enzymes, expressed within live human suspension cells, are superior to widely-used microsomal enzymes in identifying potent CYP1A1/CYP1B1 inhibitors: Identification of quinazolinones as CYP1A1/CYP1B1 inhibitors that efficiently reverse B[a]P toxicity and cisplatin resistance. <i>European Journal of Pharmaceutical Sciences</i> , 2019 , 131, 177-184	5.1	7

31	Hydroxamates of para-aminobenzoic acid as selective inhibitors of HDAC8. <i>Bioorganic Chemistry</i> , 2014 , 57, 116-120	5.1	7
30	Synthesis antimicrobial and anticancer activity of N ² -arylmethylidene-piperazine-1-carbothiohydrazide. <i>Medicinal Chemistry Research</i> , 2013 , 22, 2802-2808 ^{2,2}		7
29	Pyrazoline carboxylates as selective MAO-B inhibitors: Synthesis and Biological screening. <i>Journal of Pharmaceutical Chemistry</i> , 2015 , 2, 1	0	7
28	Synthesis, biological screening and molecular docking studies of novel 4,6-pyrimidine derivatives as EGFR-TK inhibitors. <i>Medicinal Chemistry Research</i> , 2016 , 25, 2534-2546	2.2	7
27	Evaluation of in silico, in vitro α-amylase inhibition potential and antidiabetic activity of Pterospermum acerifolium bark. <i>Pharmaceutical Biology</i> , 2014 , 52, 199-207	3.8	6
26	2-[(4,6-Di-amino-pyrimidin-2-yl)sulfan-yl]-N-(2-methyl-phen-yl)acetamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014 , 70, o850		5
25	Inhibitors of human histone deacetylase: synthesis and enzyme assay of hydroxamates with piperazine linker. <i>Archiv Der Pharmazie</i> , 2010 , 343, 167-72	4.3	5
24	A Series of Ferulic Acid Amides Reveals Unexpected Peroxiredoxin 1 Inhibitory Activity with in vivo Antidiabetic and Hypolipidemic Effects. <i>ChemMedChem</i> , 2021 , 16, 484-498	3.7	5
23	Computer-Aided Structure Based Drug Design Approaches for the Discovery of New Anti-CHIKV Agents. <i>Current Computer-Aided Drug Design</i> , 2017 , 13, 346-361	1.4	4
22	Biological Evaluation of 2-aminothiazole Hybrid as Antimalarial and Antitrypanosomal Agents: Design and Synthesis. <i>Anti-Infective Agents</i> , 2020 , 18, 101-108	0.6	4
21	Validation and method development of Tadalafil in bulk and tablet dosage form by RP-HPLC. <i>Drug Research</i> , 2015 , 65, 82-5	1.8	3
20	Monoamine oxidase-A inhibitory activity of novel Curcumin analogues. <i>Journal of Pharmaceutical Chemistry</i> , 2015 , 2, 12	0	3
19	Crystal structures of 2-[(4,6-di-amino-pyrimidin-2-yl)sulfan-yl]-N-(3-nitro-phen-yl)acetamide monohydrate and N-(2-chloro-phen-yl)-2-[(4,6-di-amino-pyrimidin-2-yl)sulfan-yl]acetamide. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016 , 72, 1171-5	0.7	3
18	Phytoestrogens and their synthetic analogues as substrate mimic inhibitors of CYP1B1. <i>European Journal of Medicinal Chemistry</i> , 2019 , 163, 28-36	6.8	3
17	Non-carboxylic acid inhibitors of aldose reductase based on N-substituted thiazolidinedione derivatives. <i>European Journal of Medicinal Chemistry</i> , 2021 , 223, 113630	6.8	3
16	Synthesis, Characterization, Docking and Study of Inhibitory Action of Some Novel C-Alkylated Chalcones on 5-LOX Enzyme. <i>ChemistrySelect</i> , 2017 , 2, 8771-8778	1.8	2
15	Crystal structures of 2-[(4,6-di-amino-pyrimidin-2-yl)sulfan-yl]-(2,4-di-methyl-phen-yl)acetamide and 2-[(4,6-di-amino-pyrimidin-2-yl)sulfan-yl]-(3-meth-oxy-phen-yl)acetamide. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017 , 73, 996-1000	0.7	2
14	Crystal structures of -(4-chloro-phen-yl)-2-[(4,6-di-amino-pyrimidin-2-yl)sulfan-yl]acetamide and -(3-chloro-phen-yl)-2-[(4,6-di-amino-pyrimidin-2-yl)sulfan-yl]acetamide. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017 , 73, 467-471	0.7	2

13	Comparative Design, In Silico Docking and Predictive ADME/ TOX Properties of Some Novel 2, 4-hydroxy Derivatives of Thiazolidine-2, 4-diones as PPAR α Modulator. <i>Journal of Pharmaceutical Chemistry</i> , 2017 , 4, 11-19	0	2
12	Design, Synthesis and biological evaluation of diazeno-thiazole derivatives as ribonucleotide reductase inhibitors. <i>Journal of Pharmaceutical Chemistry</i> , 2017 , 4, 20-24	0	2
11	Crystal structures of 2-[(4,6-di-amino-pyrimidin-2-yl)sulfan-yl]-(naphthalen-1-yl)acetamide and 2-[(4,6-di-amino-pyrimidin-2-yl)sulfan-yl]-(4-fluoro-phen-yl)acetamide. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2017 , 73, 306-309	0.7	2
10	Exploration of brominated Plastoquinone analogs: Discovery and structure-activity relationships of small antimicrobial lead molecules. <i>Bioorganic Chemistry</i> , 2021 , 116, 105316	5.1	2
9	2-[(4,6-Diaminopyrimidin-2-yl)sulfanyl]-N-(4-methoxyphenyl)acetamide. <i>IUCrData</i> , 2018 , 3,	0.7	1
8	5S Adenosine Monophosphate-Activated Protein Kinase Modulators as Anticancer Agents. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2016 , 16, 961-972	2.2	1
7	Scaffold Based Search on the Desferithiocin Archetype. <i>Mini-Reviews in Medicinal Chemistry</i> , 2019 , 19, 1564-1576	3.2	1
6	Anticancer agents based on Plastoquinone analogs with N-phenylpiperazine: Structure-activity relationship and mechanism of action in breast cancer cells. <i>Chemico-Biological Interactions</i> , 2021 , 349, 109673	5	1
5	A short survey of dengue protease inhibitor development in the past 6 years (2015-2020) with an emphasis on similarities between DENV and SARS-CoV-2 proteases. <i>Bioorganic and Medicinal Chemistry</i> , 2021 , 49, 116415	3.4	1
4	Crystal structures and Hirshfeld surface analyses of 2-[(4,6-di-amino-pyrimidin-2-yl)sulfan-yl]-(pyridin-2-yl)acetamide and 2-[(4,6-di-amino-pyrimidin-2-yl)sulfan-yl]-(pyrazin-2-yl)acetamide. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2018 , 74, 718-723	0.7	
3	X-ray crystal structure of N-benzyl-2-(4,6-diaminopyrimidin-2-ylthio)-acetamide. <i>Journal of Pharmaceutical Chemistry</i> , 2014 , 1, 28	0	
2	Chikungunya epidemiological survey and Current available inhibitors. <i>Journal of Pharmaceutical Chemistry</i> , 2014 , 1, 59	0	
1	Identification of Dengue NS2B-NS3 Protease Inhibitors Through High-Throughput Virtual Screening Impacts on Drug Development Against the Dengue Virus 2021 , 93-120		