

Sadanandan E Velu

List of Publications by Year in descending order

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63
papers

1,539
citations

257357

24
h-index

360920

35
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all docs

66
docs citations

66
times ranked

2025
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidation of $\hat{1}\pm, \hat{1}^2$ -enones and alkenes with oxone and sodium halides: A convenient laboratory preparation of chlorine and bromine. Tetrahedron Letters, 1996, 37, 2377-2380.	0.7	116
2	Attenuation of Nonsense-Mediated mRNA Decay Enhances In Vivo Nonsense Suppression. PLoS ONE, 2013, 8, e60478.	1.1	89
3	<i>In vitro</i> and <i>In vivo</i> Anticancer Activity of Novel Synthetic Makaluvamine Analogues. Clinical Cancer Research, 2009, 15, 3511-3518.	3.2	62
4	Biochemical and Epigenetic Insights into L-2-Hydroxyglutarate, a Potential Therapeutic Target in Renal Cancer. Clinical Cancer Research, 2018, 24, 6433-6446.	3.2	54
5	Analogs of the marine alkaloid makaluvamines: Synthesis, topoisomerase II inhibition, and anticancer activity. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 2890-2893.	1.0	51
6	Identification of novel inhibitors of bacterial surface enzyme Staphylococcus aureus Sortase A. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 380-385.	1.0	45
7	Honokiol inhibits the growth of head and neck squamous cell carcinoma by targeting epidermal growth factor receptor. Oncotarget, 2015, 6, 21268-21282.	0.8	43
8	Discovery and Characterization of Dual Inhibitors of MDM2 and NFAT1 for Pancreatic Cancer Therapy. Cancer Research, 2018, 78, 5656-5667.	0.4	42
9	Discovery and evaluation of nNav1.5 sodium channel blockers with potent cell invasion inhibitory activity in breast cancer cells. Bioorganic and Medicinal Chemistry, 2018, 26, 2428-2436.	1.4	40
10	Cyanobacterial Metabolite Calothrixins: Recent Advances in Synthesis and Biological Evaluation. Marine Drugs, 2016, 14, 17.	2.2	39
11	New small-molecule inhibitors of dihydrofolate reductase inhibit Streptococcus mutans. International Journal of Antimicrobial Agents, 2015, 46, 174-182.	1.1	38
12	Structure-based approach to pharmacophore identification, <i>in silico</i> screening, and three-dimensional quantitative structure-activity relationship studies for inhibitors of <i>Trypanosoma cruzi</i> dihydrofolate reductase function. Proteins: Structure, Function and Bioinformatics, 2008, 73, 889-901.	1.5	37
13	A novel synthetic iminoquinone, BA-TPQ, as an anti-breast cancer agent: in vitro and in vivo activity and mechanisms of action. Breast Cancer Research and Treatment, 2010, 123, 321-331.	1.1	37
14	Highly efficient delivery of potent anticancer iminoquinone derivative by multilayer hydrogel cubes. Acta Biomaterialia, 2017, 58, 386-398.	4.1	37
15	Conjugate Addition Reactions of $\hat{1}\pm$ -Aminoalkylcuprates with $\hat{1}\pm, \hat{1}^2$ -Alkenyl-, $\hat{1}\pm, \hat{1}^2$ -Alkynyl-, $\hat{1}\pm, \hat{1}^2$ -Allenyl-, and $\hat{1}\pm, \hat{1}^2$ -Dienyl Carboxylic Acid Derivatives, Nitriles, and Sulfoxides. Journal of Organic Chemistry, 2000, 65, 8715-8724.	1.7	36
16	Experimental Therapy of Ovarian Cancer with Synthetic Makaluvamine Analog: In Vitro and In Vivo Anticancer Activity and Molecular Mechanisms of Action. PLoS ONE, 2011, 6, e20729.	1.1	36
17	MDM2-NFAT1 dual inhibitor, MA242: Effective against hepatocellular carcinoma, independent of p53. Cancer Letters, 2019, 459, 156-167.	3.2	36
18	Synthesis and characterization of potent inhibitors of <i>Trypanosoma cruzi</i> dihydrofolate reductase. Bioorganic and Medicinal Chemistry, 2010, 18, 4056-4066.	1.4	34

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19	Total synthesis of calothrixins A and B via oxidative radical reaction of cyclohexenone with aminophenanthridinedione. <i>Tetrahedron</i> , 2014, 70, 5928-5933.	1.0	32
20	Inhibition of <i>Streptococcus mutans</i> Biofilms by the Natural Stilbene Piceatannol Through the Inhibition of Glucosyltransferases. <i>ACS Omega</i> , 2018, 3, 8378-8385.	1.6	31
21	Synthesis and antiproliferative activity of benzyl and phenethyl analogs of makaluvamines. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 2541-2549.	1.4	30
22	Structure-Based Discovery of Small Molecule Inhibitors of Cariogenic Virulence. <i>Scientific Reports</i> , 2017, 7, 5974.	1.6	29
23	Pyrrolidinobenzoic acid inhibitors of influenza virus neuraminidase: modifications of essential pyrrolidinone ring substituents. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 2739-2749.	1.4	28
24	FBA-TPQ, a novel marine-derived compound as experimental therapy for prostate cancer. <i>Investigational New Drugs</i> , 2010, 28, 234-241.	1.2	28
25	Synthesis and In Vitro Anti-Lung Cancer Activity of Novel 1, 3, 4, 8- Tetrahydropyrrolo [4, 3, 2-de]quinolin-8(1H)-one Alkaloid Analogs. <i>Medicinal Chemistry</i> , 2009, 5, 227-236.	0.7	25
26	(\pm -Aminoalkyl)cuprates Prepared from Soluble Copper(I) Salts: Conjugate Additions to α,β -Unsaturated Carboxylic Acid Derivatives. <i>Journal of Organic Chemistry</i> , 1997, 62, 3798-3799.	1.7	24
27	Tethered Dimers as NAD Synthetase Inhibitors with Antibacterial Activity. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 3371-3381.	2.9	24
28	Hydroxychalcone inhibitors of <i>Streptococcus mutans</i> glucosyl transferases and biofilms as potential anticaries agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3508-3513.	1.0	24
29	Mini-Review: Bmx Kinase Inhibitors for Cancer Therapy. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2013, 8, 228-238.	0.8	24
30	Synthesis and structure activity relationship studies of novel <i>Staphylococcus aureus</i> Sortase A inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 3752-3761.	2.6	23
31	Pharmacological and nutritional targeting of voltage-gated sodium channels in the treatment of cancers. <i>IScience</i> , 2021, 24, 102270.	1.9	23
32	Preclinical Evaluation of Anticancer Efficacy and Pharmacological Properties of FBA-TPQ, a Novel Synthetic Makaluvamine Analog. <i>Marine Drugs</i> , 2012, 10, 1138-1155.	2.2	21
33	Preclinical Pharmacology of BA-TPQ, a Novel Synthetic Iminoquinone Anticancer Agent. <i>Marine Drugs</i> , 2010, 8, 2129-2141.	2.2	20
34	Elevated levels of NO are localized to distal airways in asthma. <i>Free Radical Biology and Medicine</i> , 2011, 50, 1679-1688.	1.3	20
35	Antibacterial Nicotinamide Adenine Dinucleotide Synthetase Inhibitors: Amide- and Ether-Linked Tethered Dimers with α -Amino Acid End Groups. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 2612-2621.	2.9	16
36	Channel Gating Regulation by the Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) First Cytosolic Loop. <i>Journal of Biological Chemistry</i> , 2016, 291, 1854-1865.	1.6	16

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37	SF3B1 homeostasis is critical for survival and therapeutic response in T cell leukemia. <i>Science Advances</i> , 2022, 8, eabj8357.	4.7	16
38	Total synthesis of zyzzyanones A–D. <i>Tetrahedron</i> , 2013, 69, 4105-4113.	1.0	15
39	Mitochondrial thiol modification by a targeted electrophile inhibits metabolism in breast adenocarcinoma cells by inhibiting enzyme activity and protein levels. <i>Redox Biology</i> , 2016, 8, 136-148.	3.9	15
40	Discovery and development of synthetic tricyclic pyrroloquinone (TPQ) alkaloid analogs for human cancer therapy. <i>Frontiers of Chemical Science and Engineering</i> , 2016, 10, 1-15.	2.3	15
41	Tethered Dimer Inhibitors of NAD Synthetase: A Parallel Synthesis of an Aryl-Substituted SAR Library. <i>ACS Combinatorial Science</i> , 2005, 7, 898-904.	3.3	14
42	A facile synthesis of bispyrroloquinone and bispyrroloiminoquinone ring system of marine alkaloids. <i>Tetrahedron Letters</i> , 2009, 50, 3074-3076.	0.7	14
43	Regioselective Control in the Reactions of β -Aminoalkylcuprates with Allylic Substrates. <i>Synlett</i> , 1997, 1114-1116.	1.0	12
44	Recent advances in isolation, synthesis, and evaluation of bioactivities of bispyrroloquinone alkaloids of marine origin. <i>Chinese Journal of Natural Medicines</i> , 2015, 13, 561-577.	0.7	12
45	Nonsense-mediated decay controls the reactivation of the oncogenic herpesviruses EBV and KSHV. <i>PLoS Biology</i> , 2021, 19, e3001097.	2.6	12
46	Antibacterial and Antibiofilm Activities of Makaluvamine Analogs. <i>Microorganisms</i> , 2014, 2, 128-139.	1.6	11
47	A Novel Class of Mitochondria-Targeted Soft Electrophiles Modifies Mitochondrial Proteins and Inhibits Mitochondrial Metabolism in Breast Cancer Cells through Redox Mechanisms. <i>PLoS ONE</i> , 2015, 10, e0120460.	1.1	11
48	Toll-like receptor 9 expression is associated with breast cancer sensitivity to the growth inhibitory effects of bisphosphonates <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2016, 7, 87373-87389.	0.8	11
49	Discovery of Potent Inhibitors of <i>Streptococcus mutans</i> Biofilm with Antivirulence Activity. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 48-55.	1.3	10
50	A Novel Marine Natural Product Derived Pyrroloiminoquinone with Potent Activity against Skin Cancer Cells. <i>Marine Drugs</i> , 2019, 17, 443.	2.2	9
51	Identification of the ZAK-MKK4-JNK-TGF β 1 Signaling Pathway as a Molecular Target for Novel Synthetic Iminoquinone Anticancer Compound BA-TPQ. <i>Current Cancer Drug Targets</i> , 2013, 13, 651-660.	0.8	8
52	Total Synthesis of Secobatzelline B. <i>Synthetic Communications</i> , 2007, 37, 2399-2409.	1.1	7
53	Development and validation of an HPLC method for quantitation of BA-TPQ, a novel iminoquinone anticancer agent, and an initial pharmacokinetic study in mice. <i>Biomedical Chromatography</i> , 2011, 25, 628-634.	0.8	7
54	Prognostic and therapeutic value of the Hippo pathway, RABL6A, and p53-MDM2 axes in sarcomas. <i>Oncotarget</i> , 2021, 12, 740-755.	0.8	7

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55	Synthesis of Pyrroloquinones via a CAN Mediated Oxidative Free Radical Reaction of 1,3-Dicarbonyl Compounds with Aminoquinones. <i>Journal of Chemistry</i> , 2013, 2013, 1-12.	0.9	6
56	Identification of TrkB Binders from Complex Matrices Using a Magnetic Drug Screening Nanoplatform. <i>ACS Applied Bio Materials</i> , 2021, 4, 6244-6255.	2.3	5
57	Azide-Mediated Detosylation of N-Tosylpyrroloiminoquinones and N-Tosylindole-4,7-quinones. <i>Synlett</i> , 2008, 2008, 2864-2868.	1.0	3
58	Synthetic Makaluvamine Analogs Decrease c-Kit Expression and Are Cytotoxic to Neuroendocrine Tumor Cells. <i>Molecules</i> , 2020, 25, 4940.	1.7	3
59	Synthesis of E Isomer and Crystal Structures of E and Z Isomers of 3-(2,5-Dimethoxyphenyl)-2-(4-methoxyphenyl)acrylonitrile. <i>Journal of Chemical Crystallography</i> , 2008, 38, 205-209.	0.5	2
60	Development and validation of an HPLC-MS/MS analytical method for quantitative analysis of TCBA-TPQ, a novel anticancer makaluvamine analog, and application in a pharmacokinetic study in rats. <i>Chinese Journal of Natural Medicines</i> , 2015, 13, 554-560.	0.7	2
61	Synthesis, Separation and Crystal Structures of E and Z Isomers of 3-(2,5-Dimethoxyphenyl)-2-(4-Methoxyphenyl)Acrylic Acid. <i>Journal of Chemical Crystallography</i> , 2008, 38, 189-194.	0.5	1
62	An expedient synthesis of murrayaquinone A via a novel oxidative free radical reaction. <i>Tetrahedron Letters</i> , 2018, 59, 550-553.	0.7	1
63	Synthesis and the Crystal Structure of (E)-2-(7-(3-(Thiophen-2-yl)acrylamido)-2,3-dihydro-5-oxobenzo[e][1,4]oxazepin-1(5H)-yl)ethyl acetate. <i>Journal of Chemical Crystallography</i> , 2009, 39, 902.	0.5	0