

John H Miller

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

2,451
citations

257450

24
h-index

206112

48
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58
all docs

58
docs citations

58
times ranked

2540
citing authors

#	ARTICLE	IF	CITATIONS
1	Microtubule-targeting agents are clinically successful due to both mitotic and interphase impairment of microtubule function. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5050-5059.	3.0	204
2	Peloruside A Does Not Bind to the Taxoid Site on β -Tubulin and Retains Its Activity in Multidrug-Resistant Cell Lines. <i>Cancer Research</i> , 2004, 64, 5063-5067.	0.9	191
3	Peloruside A, a novel antimetabolic agent with paclitaxel-like microtubule-stabilizing activity. <i>Cancer Research</i> , 2002, 62, 3356-60.	0.9	181
4	Insights into the Distinct Mechanisms of Action of Taxane and Non-Taxane Microtubule Stabilizers from Cryo-EM Structures. <i>Journal of Molecular Biology</i> , 2017, 429, 633-646.	4.2	161
5	Structural Basis of Microtubule Stabilization by Laulimalide and Peloruside A. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1621-1625.	13.8	154
6	Role of DGAT enzymes in triacylglycerol metabolism. <i>Archives of Biochemistry and Biophysics</i> , 2018, 655, 1-11.	3.0	131
7	Synergistic Effects of Peloruside A and Laulimalide with Taxoid Site Drugs, but Not with Each Other, on Tubulin Assembly. <i>Molecular Pharmacology</i> , 2006, 70, 1555-1564.	2.3	112
8	The Binding Sites of Microtubule-Stabilizing Agents. <i>Chemistry and Biology</i> , 2013, 20, 301-315.	6.0	106
9	Microtubule-Stabilizing Activity of Zampanolide, a Potent Macrolide Isolated from the Tongan Marine Sponge <i>Cacospongia mycofijiensis</i> . <i>Journal of Medicinal Chemistry</i> , 2009, 52, 7328-7332.	6.4	82
10	Zampanolide, a Potent New Microtubule-Stabilizing Agent, Covalently Reacts with the Taxane Luminal Site in Tubulin β -Heterodimers and Microtubules. <i>Chemistry and Biology</i> , 2012, 19, 686-698.	6.0	81
11	Peloruside A Synergizes with Other Microtubule Stabilizing Agents in Cultured Cancer Cell Lines. <i>Molecular Pharmaceutics</i> , 2007, 4, 269-280.	4.6	68
12	Hallmarks of Molecular Action of Microtubule Stabilizing Agents. <i>Journal of Biological Chemistry</i> , 2011, 286, 11765-11778.	3.4	59
13	Microtubule-Stabilizing Drugs from Marine Sponges: Focus on Peloruside A and Zampanolide. <i>Marine Drugs</i> , 2010, 8, 1059-1079.	4.6	55
14	Microtubule stabilization by peloruside A and paclitaxel rescues degenerating neurons from okadaic acid-induced tau phosphorylation. <i>European Journal of Neuroscience</i> , 2012, 35, 1705-1717.	2.6	51
15	Peloruside B, A Potent Antitumor Macrolide from the New Zealand Marine Sponge <i>Mycale hentscheli</i> : Isolation, Structure, Total Synthesis, and Bioactivity. <i>Journal of Organic Chemistry</i> , 2010, 75, 2-10.	3.2	48
16	Method for serum-free culture of late fetal and early postnatal rat brainstem neurons. <i>Brain Research Protocols</i> , 2001, 6, 91-99.	1.6	41
17	Marine Invertebrate Natural Products that Target Microtubules. <i>Journal of Natural Products</i> , 2018, 81, 691-702.	3.0	40
18	Peloruside- and Laulimalide-Resistant Human Ovarian Carcinoma Cells Have β -Tubulin Mutations and Altered Expression of β -II- and β -III-Tubulin Isoforms. <i>Molecular Cancer Therapeutics</i> , 2011, 10, 1419-1429.	4.1	37

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19	Developmental expression of δ and μ opioid receptors in the rat brainstem: evidence for a postnatal switch in δ isoform expression. <i>Developmental Brain Research</i> , 2004, 148, 185-196.	1.7	36
20	Peloruside A: a lead non-taxoid-site microtubule-stabilizing agent with potential activity against cancer, neurodegeneration, and autoimmune disease. <i>Natural Product Reports</i> , 2016, 33, 549-561.	10.3	34
21	Synergistic interactions between peloruside A and other microtubule-stabilizing and destabilizing agents in cultured human ovarian carcinoma cells and murine T cells. <i>Cancer Chemotherapy and Pharmacology</i> , 2011, 68, 117-126.	2.3	29
22	Dendrimer Heparan Sulfate Glycomimetics: Potent Heparanase Inhibitors for Anticancer Therapy. <i>ACS Chemical Biology</i> , 2018, 13, 3236-3242.	3.4	28
23	Polyhalogenated Indoles from the Red Alga <i>Rhodophyllis membranacea</i> : The First Isolation of Bromo-Chloro-Iodo Secondary Metabolites. <i>Journal of Natural Products</i> , 2016, 79, 463-469.	3.0	26
24	Peloruside A Inhibits Growth of Human Lung and Breast Tumor Xenografts in an Athymic ν Mouse Model. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 1816-1823.	4.1	24
25	Zampanolide, a Microtubule-Stabilizing Agent, Is Active in Resistant Cancer Cells and Inhibits Cell Migration. <i>International Journal of Molecular Sciences</i> , 2017, 18, 971.	4.1	24
26	Structure-activity studies of the pelorusides: new congeners and semi-synthetic analogues. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4456.	2.8	23
27	β -tubulin overexpression in cancer: Causes, consequences, and potential therapies. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1876, 188607.	7.4	21
28	Peloruside A inhibits microtubule dynamics in a breast cancer cell line MCF7. <i>Investigational New Drugs</i> , 2011, 29, 615-626.	2.6	20
29	Inhibition of human vascular endothelial cell migration and capillary-like tube formation by the microtubule-stabilizing agent peloruside A. <i>Investigational New Drugs</i> , 2015, 33, 564-574.	2.6	19
30	Effect of taxoid and nontaxoid site microtubule-stabilizing agents on axonal transport of mitochondria in untransfected and ECFP4-transfected rat cortical neurons in culture. <i>Journal of Neuroscience Research</i> , 2014, 92, 1155-1166.	2.9	17
31	Zampanolides from the Marine Sponge <i>Cacospongia mycofijiensis</i> : Potent Cytotoxic Macrolides with Microtubule-Stabilizing Activity. <i>Journal of Natural Products</i> , 2018, 81, 2539-2544.	3.0	17
32	Halogenated Meroditerpenoids from a South Pacific Collection of the Red Alga <i>Callophycus serratus</i> . <i>Journal of Natural Products</i> , 2018, 81, 2446-2454.	3.0	16
33	Acquired Resistance to Peloruside A and Laulimalide is Associated with Downregulation of Vimentin in Human Ovarian Carcinoma Cells. <i>Pharmaceutical Research</i> , 2012, 29, 3022-3032.	3.5	15
34	Role of tumor hypoxia in acquisition of resistance to microtubule-stabilizing drugs. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2015, 1855, 172-182.	7.4	15
35	β -tubulin mutations in the laulimalide/peloruside binding site mediate drug sensitivity by altering drug-tubulin interactions and microtubule stability. <i>Cancer Letters</i> , 2015, 365, 251-260.	7.2	15
36	Mu and delta opioid receptor immunoreactivity and mu receptor regulation in brainstem cells cultured from late fetal and early postnatal rats. <i>Developmental Brain Research</i> , 2004, 149, 9-19.	1.7	14

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37	Hamigerans R and S: Nitrogenous Diterpenoids from the New Zealand Marine Sponge <i>Hamigera tarangaensis</i> . <i>Journal of Natural Products</i> , 2018, 81, 387-393.	3.0	14
38	Pyrrroloquinoline derivatives from a Tongan specimen of the marine sponge <i>Strongyloidesma tongaensis</i> . <i>Tetrahedron Letters</i> , 2019, 60, 1825-1829.	1.4	13
39	Growth inhibitory effects of a mu opioid on cultured cholinergic neurons from fetal rat ventral forebrain, brainstem, and spinal cord. <i>Developmental Brain Research</i> , 1999, 114, 69-77.	1.7	12
40	Potential for Treatment of Neurodegenerative Diseases with Natural Products or Synthetic Compounds that Stabilize Microtubules. <i>Current Pharmaceutical Design</i> , 2020, 26, 4362-4372.	1.9	12
41	Induction of accelerated senescence by the microtubule-stabilizing agent peloruside A. <i>Investigational New Drugs</i> , 2017, 35, 706-717.	2.6	11
42	Lack of involvement of μ 41 opioid receptors in dermorphin-induced inhibition of hypoxic and hypercapnic ventilation in rat pups. <i>Respiratory Physiology and Neurobiology</i> , 2002, 131, 199-212.	1.6	10
43	Effects of the microtubule stabilizing agent peloruside A on the proteome of HL-60 cells. <i>Investigational New Drugs</i> , 2011, 29, 544-553.	2.6	10
44	Paclitaxel effects on the proteome of HL-60 promyelocytic leukemic cells: comparison to peloruside A. <i>Investigational New Drugs</i> , 2012, 30, 121-129.	2.6	10
45	Laulimalide and peloruside A inhibit mitosis of <i>Saccharomyces cerevisiae</i> by preventing microtubule depolymerisation-dependent steps in chromosome separation and nuclear positioning. <i>Molecular BioSystems</i> , 2013, 9, 2842.	2.9	9
46	Resistance to Peloruside A and Laulimalide: Functional Significance of Acquired β -tubulin Mutations at Sites Important for Drug-Tubulin Binding. <i>Current Cancer Drug Targets</i> , 2014, 14, 79-90.	1.6	9
47	Synthesis of diastereomeric, deoxy and ring-expanded sulfone analogues of aigialomycin D. <i>Tetrahedron</i> , 2013, 69, 10581-10592.	1.9	8
48	Synthesis of Novel Glycolipid Mimetics of Heparan Sulfate and Their Application in Colorectal Cancer Treatment in a Mouse Model. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	8
49	Potential role of tubulin tyrosine ligase-like enzymes in tumorigenesis and cancer cell resistance. <i>Cancer Letters</i> , 2014, 350, 1-4.	7.2	7
50	Peloruside E (22-Norpeloruside A), a Pelorusane Macrolide from the New Zealand Marine Sponge <i>Mycale hentscheli</i> , Retains Microtubule-Stabilizing Properties. <i>Journal of Natural Products</i> , 2018, 81, 2125-2128.	3.0	6
51	Microtubule-stabilizing properties of the avocado-derived toxins (+)-(R)-persin and (+)-(R)-tetrahydropersin in cancer cells and activity of related synthetic analogs. <i>Investigational New Drugs</i> , 2016, 34, 277-289.	2.6	5
52	Characterizing the laulimalide-peloruside binding site using site-directed mutagenesis of TUB2 in <i>S. cerevisiae</i> . <i>Molecular BioSystems</i> , 2014, 10, 110-116.	2.9	2
53	Peloruside A, a microtubule-stabilizing agent, induces aneuploidy in ovarian cancer cells. <i>Investigational New Drugs</i> , 2016, 34, 424-438.	2.6	2
54	Synthesis and Microtubule-Destabilizing Activity of N-Cyclopropyl-4-(3,4-dihydroquinolin-2(1H)-yl)ethan-1-amine	3.3	1

#	ARTICLE	IF	CITATIONS
55	Rücktitelbild: Structural Basis of Microtubule Stabilization by Laulimalide and Peloruside...A (Angew.) Tj ETQq1,1,0.784314 rgBT	1.20	0