

Kerry L Mcphail

List of Publications by Year in descending order

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87
papers

7,852
citations

87888

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h-index

53230

85
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96
all docs

96
docs citations

96
times ranked

9699
citing authors

#	ARTICLE	IF	CITATIONS
1	Design of Coibamide A Mimetics with Improved Cellular Bioactivity. ACS Medicinal Chemistry Letters, 2022, 13, 105-110.	2.8	2
2	Canine osteosarcoma cells exhibit basal accumulation of multiple chaperone proteins and are sensitive to small molecule inhibitors of GRP78 and heat shock protein function. Cell Stress and Chaperones, 2022, 27, 223-239.	2.9	4
3	Tolypocladamide H and the Proposed Tolypocladamide NRPS in <i>Tolypocladium</i> Species. Journal of Natural Products, 2022, 85, 1363-1373.	3.0	10
4	The Marine-Derived Macrolactone Mandelalide A Is an Indirect Activator of AMPK. Marine Drugs, 2022, 20, 418.	4.6	4
5	Targeting of HER/ErbB family proteins using broad spectrum Sec61 inhibitors coibamide A and apratoxin A. Biochemical Pharmacology, 2021, 183, 114317.	4.4	13
6	Ion identity molecular networking for mass spectrometry-based metabolomics in the GNPS environment. Nature Communications, 2021, 12, 3832.	12.8	119
7	ReDU: a framework to find and reanalyze public mass spectrometry data. Nature Methods, 2020, 17, 901-904.	19.0	79
8	Reproducible molecular networking of untargeted mass spectrometry data using GNPS. Nature Protocols, 2020, 15, 1954-1991.	12.0	344
9	Coibamide A Targets Sec61 to Prevent Biogenesis of Secretory and Membrane Proteins. ACS Chemical Biology, 2020, 15, 2125-2136.	3.4	39
10	The value of universally available raw NMR data for transparency, reproducibility, and integrity in natural product research. Natural Product Reports, 2019, 36, 35-107.	10.3	92
11	Molecular Networking Reveals Two Distinct Chemotypes in Pyrroloiminoquinone-Producing <i>Tsitsikamma favus</i> Sponges. Marine Drugs, 2019, 17, 60.	4.6	19
12	Synthetic Access to the Mandelalide Family of Macrolides: Development of an Anion Relay Chemistry Strategy. Journal of Organic Chemistry, 2018, 83, 4287-4306.	3.2	21
13	Supramolecular self assembly of nanodril-like structures for intracellular delivery. Journal of Controlled Release, 2018, 282, 76-89.	9.9	21
14	Secondary Metabolism and Interspecific Competition Affect Accumulation of Spontaneous Mutants in the GacS-GacA Regulatory System in <i>Pseudomonas protegens</i> . MBio, 2018, 9, .	4.1	33
15	Jizanpeptins, Cyanobacterial Protease Inhibitors from a <i>Symploca</i> sp. Cyanobacterium Collected in the Red Sea. Journal of Natural Products, 2018, 81, 1417-1425.	3.0	17
16	Utilization of <i>Vibrio cholerae</i> as a Model Organism to Screen Natural Product Libraries for Identification of New Antibiotics. Methods in Molecular Biology, 2018, 1839, 135-146.	0.9	3
17	ATG5 Promotes Death Signaling in Response to the Cyclic Depsipeptides Coibamide A and Apratoxin A. Marine Drugs, 2018, 16, 77.	4.6	19
18	The marine natural product coibamide targets expression of HER family receptors. FASEB Journal, 2018, 32, 1b670.	0.5	0

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19	New Mandelalides Expand a Macrolide Series of Mitochondrial Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 7850-7862.	6.4	26
20	Two-step total synthesis of an anti-MRSA and myosin-inhibiting marine natural product pentabromopseudilin via Suzuki-Miyaura coupling of a MIDA boronate ester. <i>Tetrahedron Letters</i> , 2017, 58, 3374-3376.	1.4	6
21	Increased Biosynthetic Gene Dosage in a Genome-Reduced Defensive Bacterial Symbiont. <i>MSystems</i> , 2017, 2, .	3.8	46
22	Radio-protective and antioxidative activities of astaxanthin from newly isolated radio-resistant bacterium <i>Deinococcus</i> sp. strain WMA-LM9. <i>Annals of Microbiology</i> , 2017, 67, 443-455.	2.6	14
23	Phloroglucinol functions as an intracellular and intercellular chemical messenger influencing gene expression in <i>Pseudomonas protegens</i> . <i>Environmental Microbiology</i> , 2016, 18, 3296-3308.	3.8	25
24	Towards theory driven structure elucidation of complex natural products: mandelalides and coibamide A. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 5826-5831.	2.8	18
25	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. <i>Nature Biotechnology</i> , 2016, 34, 828-837.	17.5	2,802
26	Enantioselective Total Synthesis of Mandelalide A and Isomandelalide A: Discovery of a Cytotoxic Ring-Expanded Isomer. <i>Journal of the American Chemical Society</i> , 2016, 138, 770-773.	13.7	30
27	Coibamide A, a natural lariat depsipeptide, inhibits VEGFA/VEGFR2 expression and suppresses tumor growth in glioblastoma xenografts. <i>Investigational New Drugs</i> , 2016, 34, 24-40.	2.6	49
28	Discovery of Mandelalide E and Determinants of Cytotoxicity for the Mandelalide Series. <i>Organic Letters</i> , 2016, 18, 1374-1377.	4.6	15
29	Depsipeptide Companeramides from a Panamanian Marine Cyanobacterium Associated with the Coibamide Producer. <i>Journal of Natural Products</i> , 2015, 78, 413-420.	3.0	49
30	2,3-Seco-2,3-dioxo-lyngbyatoxin A from a Red Sea strain of the marine cyanobacterium <i>Moorea producens</i> . <i>Natural Product Research</i> , 2015, 29, 703-709.	1.8	13
31	Synthesis and biological evaluation of the [d-MeAla11]-epimer of coibamide A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 302-306.	2.2	18
32	Apoptolidins A and C activate AMPK in metabolically sensitive cell types and are mechanistically distinct from oligomycin A. <i>Biochemical Pharmacology</i> , 2015, 93, 251-265.	4.4	17
33	<i>Pseudomonas fluorescens</i> SBW25 produces furanomycin, a non-proteinogenic amino acid with selective antimicrobial properties. <i>BMC Microbiology</i> , 2013, 13, 111.	3.3	27
34	Malyngamide 4, a new lipopeptide from the Red Sea marine cyanobacterium <i>Moorea producens</i> (formerly <i>Lyngbya majuscula</i>). <i>Phytochemistry Letters</i> , 2013, 6, 183-188.	1.2	35
35	Apratoxin H and Apratoxin A Sulfoxide from the Red Sea Cyanobacterium <i>Moorea producens</i> . <i>Journal of Natural Products</i> , 2013, 76, 1781-1788.	3.0	88
36	Santacruzamate A, a Potent and Selective Histone Deacetylase Inhibitor from the Panamanian Marine Cyanobacterium cf. <i>Symploca</i> sp.. <i>Journal of Natural Products</i> , 2013, 76, 2026-2033.	3.0	64

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37	The Genome of <i>Tolypocladium inflatum</i> : Evolution, Organization, and Expression of the Cyclosporin Biosynthetic Gene Cluster. <i>PLoS Genetics</i> , 2013, 9, e1003496.	3.5	144
38	Development of a Quantitative Assay Amenable for High-Throughput Screening to Target the Type II Secretion System for New Treatments against Plant-Pathogenic Bacteria. <i>Journal of Biomolecular Screening</i> , 2013, 18, 921-929.	2.6	3
39	Coibamide A Induces mTOR-Independent Autophagy and Cell Death in Human Glioblastoma Cells. <i>PLoS ONE</i> , 2013, 8, e65250.	2.5	80
40	Antimicrobial Rubrolides from a South African Species of <i>Synoicum</i> Tunicate. <i>Journal of Natural Products</i> , 2012, 75, 1824-1827.	3.0	41
41	Coibacins A–D, Antileishmanial Marine Cyanobacterial Polyketides with Intriguing Biosynthetic Origins. <i>Organic Letters</i> , 2012, 14, 3878-3881.	4.6	56
42	Mandelalides A–D, Cytotoxic Macrolides from a New <i>Lissoclinum</i> Species of South African Tunicate. <i>Journal of Organic Chemistry</i> , 2012, 77, 6066-6075.	3.2	64
43	Bathymodiolamides A and B, Ceramide Derivatives from a Deep-Sea Hydrothermal Vent Invertebrate Mussel, <i>Bathymodiolus thermophilus</i> . <i>Journal of Natural Products</i> , 2011, 74, 842-846.	3.0	18
44	Cyclic Depsipeptides, Grassypeptolides D and E and Ibu-epidemethoxylyngbyastatin 3, from a Red Sea <i>Leptolyngbya</i> Cyanobacterium. <i>Journal of Natural Products</i> , 2011, 74, 1677-1685.	3.0	67
45	Selective inhibition of <i>Erwinia amylovora</i> by the herbicidally active germination-arrest factor (GAF) produced by <i>Pseudomonas</i> bacteria. <i>Journal of Applied Microbiology</i> , 2011, 111, 949-959.	3.1	19
46	Survey of marine natural product structure revisions: A synergy of spectroscopy and chemical synthesis. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 6675-6701.	3.0	158
47	Wewakamide A and Guineamide G, Cyclic Depsipeptides from the Marine Cyanobacteria <i>Lyngbya semiplena</i> and <i>Lyngbya majuscula</i> . <i>Journal of Microbiology and Biotechnology</i> , 2011, 21, 930-936.	2.1	21
48	Two cytotoxic stereoisomers of malyngamide C, 8-epi-malyngamide C and 8-O-acetyl-8-epi-malyngamide C, from the marine cyanobacterium <i>Lyngbya majuscula</i> . <i>Phytochemistry</i> , 2010, 71, 1729-1735.	2.9	37
49	4-Formylaminoxyvinylglycine, an Herbicidal Germination-Arrest Factor from <i>Pseudomonas</i> Rhizosphere Bacteria. <i>Journal of Natural Products</i> , 2010, 73, 1853-1857.	3.0	41
50	Deep-Sea Hydrothermal Vents: Potential Hot Spots for Natural Products Discovery?. <i>Journal of Natural Products</i> , 2010, 73, 489-499.	3.0	121
51	Germination-Arrest Factor (GAF): 3. Determination that the herbicidal activity of GAF is associated with a ninhydrin-reactive compound and counteracted by selected amino acids. <i>Biological Control</i> , 2009, 51, 181-190.	3.0	22
52	Symplocamide A, a Potent Cytotoxin and Chymotrypsin Inhibitor from the Marine Cyanobacterium <i>Symploca</i> sp.. <i>Journal of Natural Products</i> , 2008, 71, 22-27.	3.0	172
53	Coibamide A, a Potent Antiproliferative Cyclic Depsipeptide from the Panamanian Marine Cyanobacterium <i>Leptolyngbya</i> sp.. <i>Journal of the American Chemical Society</i> , 2008, 130, 6324-6325.	13.7	192
54	Oxo-Phytodienoic Acid-Containing Galactolipids in <i>Arabidopsis</i> : Jasmonate Signaling Dependence. <i>Plant Physiology</i> , 2007, 145, 1658-1669.	4.8	104

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55	Reactive oxygen species mediated apoptosis of esophageal cancer cells induced by marine triprenyl toluquinones and toluhydroquinones. <i>Molecular Cancer Therapeutics</i> , 2007, 6, 2535-2543.	4.1	42
56	Antimalarial Linear Lipopeptides from a Panamanian Strain of the Marine Cyanobacterium <i>Lyngbyamajuscula</i> . <i>Journal of Natural Products</i> , 2007, 70, 984-988.	3.0	143
57	Hydroxyalkenylresorcinols from <i>Stylogyne turbacensis</i> . <i>Journal of Natural Products</i> , 2007, 70, 1249-1252.	3.0	19
58	Linking bioprospecting with sustainable development and conservation: the Panama case. <i>Biodiversity and Conservation</i> , 2007, 16, 2789-2800.	2.6	23
59	Antiprotozoal Activity Against <i>Plasmodium falciparum</i> . and <i>Trypanosoma cruzi</i> . of Xanthones Isolated from <i>Chrysochlamys tenuis</i> . <i>Pharmaceutical Biology</i> , 2006, 44, 550-553.	2.9	24
60	Weakly Antimalarial Flavonol Arabinofuranosides from <i>Calycolpuswarszewiczianus</i> . <i>Journal of Natural Products</i> , 2006, 69, 826-828.	3.0	24
61	Alkaloids from <i>Eschscholzia californica</i> and Their Capacity to Inhibit Binding of [³ H]8-Hydroxy-2-(di-N-propylamino)tetralin to 5-HT _{1A} Receptors <i>In Vitro</i> . <i>Journal of Natural Products</i> , 2006, 69, 432-435.	3.0	30
62	Characterization of the Initial Enzymatic Steps of Barbamide Biosynthesis. <i>Journal of Natural Products</i> , 2006, 69, 938-944.	3.0	71
63	Belamide A, a new antimetabolic tetrapeptide from a Panamanian marine cyanobacterium. <i>Tetrahedron Letters</i> , 2006, 47, 3387-3390.	1.4	80
64	Oxylipin Profiling of the Hypersensitive Response in <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 31528-31537.	3.4	136
65	3,4-Dehydrodebrisoquine, a Novel Debrisoquine Metabolite Formed from 4-Hydroxydebrisoquine That Affects the CYP2D6 Metabolic Ratio. <i>Drug Metabolism and Disposition</i> , 2006, 34, 1563-1574.	3.3	13
66	Securing Economic Benefits and Promoting Conservation through Bioprospecting. <i>BioScience</i> , 2006, 56, 1005.	4.9	26
67	Oxylipin Profiling of the Hypersensitive Response in <i>Arabidopsis thaliana</i> . <i>Journal of Biological Chemistry</i> , 2006, 281, 31528-31537.	3.4	20
68	Isolation and structure of five lyngbyabellin derivatives from a Papua New Guinea collection of the marine cyanobacterium <i>Lyngbya majuscula</i> . <i>Tetrahedron</i> , 2005, 61, 11723-11729.	1.9	75
69	Analysis of macamides in samples of Maca (<i>Lepidium meyenii</i>) by HPLC-UV-MS/MS. <i>Phytochemical Analysis</i> , 2005, 16, 463-469.	2.4	83
70	(3Z)-Bromofucin from a South African sea hare. <i>Natural Product Research</i> , 2005, 19, 449-452.	1.8	16
71	Neurotoxic Meroditerpenoids from the Tropical Marine Brown Alga <i>Styopodium flabelliforme</i> . <i>Journal of Natural Products</i> , 2005, 68, 1022-1030.	3.0	67
72	Isolation of Swinholide A and Related Glycosylated Derivatives from Two Field Collections of Marine Cyanobacteria. <i>Organic Letters</i> , 2005, 7, 1375-1378.	4.6	125

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73	Marine natural products as anticancer drugs. <i>Molecular Cancer Therapeutics</i> , 2005, 4, 333-42.	4.1	366
74	Formation of the Nonproteinogenic Amino Acid 2S,3R-Capreomycin by VioD from the Viomycin Biosynthesis Pathway. <i>ChemBioChem</i> , 2004, 5, 1278-1281.	2.6	43
75	Peyssonenynes A and B, Novel Eneiyne Oxylipins with DNA Methyl Transferase Inhibitory Activity from the Red Marine Alga <i>Peyssonnelia caulifera</i> . <i>Journal of Natural Products</i> , 2004, 67, 1010-1013.	3.0	37
76	Novel Cassane and Cleistanthane Diterpenes from <i>Myrospermum frutescens</i> : Absolute Stereochemistry of the Cassane Diterpene Series. <i>Journal of Natural Products</i> , 2004, 67, 1711-1715.	3.0	19
77	Evaluation of the Efficiency of Three Different Solvent Systems to Extract Triterpene Saponins from Roots of <i>Panax quinquefolius</i> Using High-Performance Liquid Chromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 1546-1550.	5.2	42
78	Structure and Biosynthesis of the Jamaicamides, New Mixed Polyketide-Peptide Neurotoxins from the Marine Cyanobacterium <i>Lyngbya majuscula</i> . <i>Chemistry and Biology</i> , 2004, 11, 817-833.	6.0	453
79	Indomethacin reduces lipid peroxidation in rat brain homogenate by binding Fe ²⁺ . <i>Metabolic Brain Disease</i> , 2003, 18, 1-9.	2.9	5
80	Three New Malyngamides from a Papua New Guinea Collection of the Marine Cyanobacterium <i>Lyngbya majuscula</i> . <i>Journal of Natural Products</i> , 2003, 66, 132-135.	3.0	31
81	Semiplenamides A-C, Fatty Acid Amides from a Papua New Guinea Collection of the Marine Cyanobacterium <i>Lyngbya semiplena</i> . <i>Journal of Natural Products</i> , 2003, 66, 1364-1368.	3.0	52
82	Absolute Stereochemistry of Ibhayinol from a South African Sea Hare. <i>Journal of Natural Products</i> , 2002, 65, 580-582.	3.0	13
83	Sequestered Chemistry of the Arminacean Nudibranch <i>Lemindamillecrain</i> Algoa Bay, South Africa. <i>Journal of Natural Products</i> , 2001, 64, 1183-1190.	3.0	59
84	The Structure and Synthesis of Tsitsikammafuran: A New Furanosesquiterpene from a South African Dysidea Sponge. <i>Tetrahedron</i> , 2000, 56, 9391-9396.	1.9	54
85	New Halogenated Sesquiterpenes from South African Specimens of the Circumtropical Sea Hare <i>Aplysiadactylomela</i> . <i>Journal of Natural Products</i> , 1999, 62, 1618-1623.	3.0	23
86	A New Furanosesterterpene from the South African Nudibranch <i>Hypselodoris capensis</i> and a Dictyoceratida Sponge. <i>Journal of Natural Products</i> , 1998, 61, 961-964.	3.0	28
87	New spongiane diterpenes from the East African nudibranch <i>Chromodoris hamiltoni</i> . <i>Tetrahedron</i> , 1997, 53, 4655-4660.	1.9	27