

Roger G Linington

List of Publications by Year in descending order

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102
papers

10,743
citations

76322

40
h-index

34984

98
g-index

110
all docs

110
docs citations

110
times ranked

13696
citing authors

#	ARTICLE	IF	CITATIONS
1	NP-MRD: the Natural Products Magnetic Resonance Database. <i>Nucleic Acids Research</i> , 2022, 50, D665-D677.	14.5	39
2	The Natural Products Atlas 2.0: a database of microbially-derived natural products. <i>Nucleic Acids Research</i> , 2022, 50, D1317-D1323.	14.5	112
3	Dereplication of Fungal Metabolites by NMR-Based Compound Networking Using MADByTE. <i>Journal of Natural Products</i> , 2022, 85, 614-624.	3.0	16
4	NP Analyst: An Open Online Platform for Compound Activity Mapping. <i>ACS Central Science</i> , 2022, 8, 223-234.	11.3	27
5	Special Issue in Honor of Professor William Gerwick. <i>Journal of Natural Products</i> , 2022, 85, 459-461.	3.0	0
6	Evaluation of Ion Mobility Spectrometry for Improving Constitutional Assignment in Natural Product Mixtures. <i>Journal of Natural Products</i> , 2022, 85, 519-529.	3.0	6
7	Potent Bactericidal Antimycobacterials Targeting the Chaperone ClpC1 Based on the Depsipeptide Natural Products Ecumicin and Ohmyungsamycin A. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 4893-4908.	6.4	9
8	An isotopic labeling approach linking natural products with biosynthetic gene clusters. <i>Nature Chemical Biology</i> , 2022, 18, 295-304.	8.0	9
9	Ferrocene-appended anthraquinone and coumarin as redox-active cytotoxins. <i>Dalton Transactions</i> , 2022, 51, 11437-11447.	3.3	4
10	Microbial natural product databases: moving forward in the multi-omics era. <i>Natural Product Reports</i> , 2021, 38, 264-278.	10.3	51
11	Total synthesis of biselide A. <i>Chemical Science</i> , 2021, 12, 5534-5543.	7.4	7
12	Interlaboratory Comparison of Untargeted Mass Spectrometry Data Uncovers Underlying Causes for Variability. <i>Journal of Natural Products</i> , 2021, 84, 824-835.	3.0	30
13	Development of an NMR-Based Platform for the Direct Structural Annotation of Complex Natural Products Mixtures. <i>Journal of Natural Products</i> , 2021, 84, 1044-1055.	3.0	32
14	Solid-phase synthesis of coralmycin A/ <i>epi</i> -coralmycin A and desmethoxycoralmycin A. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 6291-6300.	2.8	3
15	Synthetic Sansanmycin Analogues as Potent <i>Mycobacterium tuberculosis</i> Translocase I Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 17326-17345.	6.4	8
16	MIBiG 2.0: a repository for biosynthetic gene clusters of known function. <i>Nucleic Acids Research</i> , 2020, 48, D454-D458.	14.5	351
17	A <i>Cutibacterium acnes</i> antibiotic modulates human skin microbiota composition in hair follicles. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	83
18	Expansion of Gamma-Butyrolactone Signaling Molecule Biosynthesis to Phosphotriester Natural Products. <i>ACS Chemical Biology</i> , 2020, 15, 3253-3261.	3.4	8

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19	Custom Matrix-Assisted Laser Desorption Ionization–Time of Flight Mass Spectrometric Database for Identification of Environmental Isolates of the Genus <i>Burkholderia</i> and Related Genera. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	6
20	Targeting tRNA-synthetase interactions towards novel therapeutic discovery against eukaryotic pathogens. <i>PLoS Neglected Tropical Diseases</i> , 2020, 14, e0007983.	3.0	12
21	The Antimalarial Natural Product Salinipostin A Identifies Essential \pm/\pm^2 Serine Hydrolases Involved in Lipid Metabolism in <i>P. falciparum</i> Parasites. <i>Cell Chemical Biology</i> , 2020, 27, 143-157.e5.	5.2	48
22	The value of universally available raw NMR data for transparency, reproducibility, and integrity in natural product research. <i>Natural Product Reports</i> , 2019, 36, 35-107.	10.3	92
23	New methods for isolation and structure determination of natural products. <i>Natural Product Reports</i> , 2019, 36, 942-943.	10.3	8
24	The Natural Products Atlas: An Open Access Knowledge Base for Microbial Natural Products Discovery. <i>ACS Central Science</i> , 2019, 5, 1824-1833.	11.3	258
25	A chromosome-level draft genome of the grain aphid <i>Sitobion miscanthi</i> . <i>GigaScience</i> , 2019, 8, .	6.4	41
26	A selective genome-guided method for environmental <i>Burkholderia</i> isolation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019, 46, 345-362.	3.0	7
27	Isolation, Structure Elucidation, and Total Synthesis of Dolichovespulide, a Sesquiterpene from <i>Dolichovespula</i> Yellowjackets. <i>Journal of Natural Products</i> , 2019, 82, 2009-2012.	3.0	4
28	Marine Mammal Microbiota Yields Novel Antibiotic with Potent Activity Against <i>Clostridium difficile</i> . <i>ACS Infectious Diseases</i> , 2018, 4, 59-67.	3.8	22
29	Maculatic Acids–Sex Attractant Pheromone Components of Bald-Faced Hornets (Angew.) <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11618-11622.	13.8	6
30	Synthetic Studies Toward the Skellamycins: Total Synthesis and Generation of Simplified Analogues. <i>Journal of Organic Chemistry</i> , 2018, 83, 7250-7270.	3.2	14
31	Maculatic Acids–Sex Attractant Pheromone Components of Bald-Faced Hornets. <i>Angewandte Chemie</i> , 2018, 130, 11792-11796.	2.0	0
32	Synthesis and evaluation of analogues of the glycinocin family of calcium-dependent antibiotics. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5310-5320.	2.8	13
33	Genome-Based Identification of a Plant-Associated Marine Bacterium as a Rich Natural Product Source. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14519-14523.	13.8	29
34	Maculatic Acids–Sex Attractant Pheromone Components of Bald-Faced Hornets. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11618-11622.	13.8	6
35	The bioactive lipid (<i>S</i>)-sebastenoic acid impacts motility and dispersion in <i>Vibrio cholerae</i> . <i>Canadian Journal of Chemistry</i> , 2018, 96, 196-203.	1.1	0
36	Sansanmycin natural product analogues as potent and selective anti-mycobacterials that inhibit lipid I biosynthesis. <i>Nature Communications</i> , 2017, 8, 14414.	12.8	43

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37	Retrospective analysis of natural products provides insights for future discovery trends. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 5601-5606.	7.1	382
38	Special Issue in Honor of Professor Phil Crews. Journal of Natural Products, 2017, 80, 579-581.	3.0	1
39	Piericidin A1 Blocks <i>Yersinia</i> Ysc Type III Secretion System Needle Assembly. MSphere, 2017, 2, .	2.9	19
40	Data-analysis strategies for image-based cell profiling. Nature Methods, 2017, 14, 849-863.	19.0	535
41	Watery Saliva Secreted by the Grain Aphid <i>Sitobion avenae</i> Stimulates Aphid Resistance in Wheat. Journal of Agricultural and Food Chemistry, 2017, 65, 8798-8805.	5.2	31
42	Total Synthesis of Glycinocins A-C. Journal of Organic Chemistry, 2017, 82, 12778-12785.	3.2	10
43	Total Synthesis of Skyllamycins A-C. Chemistry - A European Journal, 2017, 23, 15046-15049.	3.3	11
44	Reply to Skinnider and Magarvey: Rates of novel natural product discovery remain high. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6273.	7.1	2
45	Total Synthesis of Teixobactin. Organic Letters, 2016, 18, 2788-2791.	4.6	84
46	Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. Nature Biotechnology, 2016, 34, 828-837.	17.5	2,802
47	Discovery of anabaenopeptin 679 from freshwater algal bloom material: Insights into the structure-activity relationship of anabaenopeptin protease inhibitors. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 4960-4965.	2.2	30
48	Biofilm Formation and Detachment in Gram-Negative Pathogens Is Modulated by Select Bile Acids. PLoS ONE, 2016, 11, e0149603.	2.5	31
49	The Natural Product N-Palmitoyl-L-leucine Selectively Inhibits Late Assembly of Human Spliceosomes. Journal of Biological Chemistry, 2015, 290, 27524-27531.	3.4	22
50	Salinipostins K, Long-Chain Bicyclic Phosphotriesters as a Potent and Selective Antimalarial Chemotype. Journal of Organic Chemistry, 2015, 80, 1312-1320.	3.2	63
51	Abyssomicin 2 Reactivates Latent HIV-1 by a PKC- and HDAC-Independent Mechanism. Organic Letters, 2015, 17, 262-265.	4.6	36
52	Optimized quinoline amino alcohols as disruptors and dispersal agents of <i>Vibrio cholerae</i> biofilms. Organic and Biomolecular Chemistry, 2015, 13, 8495-8499.	2.8	11
53	Living in the matrix: assembly and control of <i>Vibrio cholerae</i> biofilms. Nature Reviews Microbiology, 2015, 13, 255-268.	28.6	342
54	Connecting Phenotype and Chemotype: High-Content Discovery Strategies for Natural Products Research. Journal of Natural Products, 2015, 78, 587-596.	3.0	33

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55	Integration of high-content screening and untargeted metabolomics for comprehensive functional annotation of natural product libraries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11999-12004.	7.1	138
56	Genome-Directed Lead Discovery: Biosynthesis, Structure Elucidation, and Biological Evaluation of Two Families of Polyene Macrolactams against <i>Trypanosoma brucei</i> . <i>ACS Chemical Biology</i> , 2015, 10, 2373-2381.	3.4	69
57	Bastimolide A, a Potent Antimalarial Polyhydroxy Macrolide from the Marine Cyanobacterium <i>Okeania hirsuta</i> . <i>Journal of Organic Chemistry</i> , 2015, 80, 7849-7855.	3.2	68
58	Development of benzo[1,4]oxazines as biofilm inhibitors and dispersal agents against <i>Vibrio cholerae</i> . <i>Chemical Communications</i> , 2015, 51, 1305-1308.	4.1	17
59	Phenotype-Guided Natural Products Discovery Using Cytological Profiling. <i>Journal of Natural Products</i> , 2015, 78, 2242-2248.	3.0	26
60	An NF- κ B-Based High-Throughput Screen Identifies Piericidins as Inhibitors of the <i>Yersinia pseudotuberculosis</i> Type III Secretion System. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 1118-1126.	3.2	38
61	Borrelidin B: Isolation, Biological Activity, and Implications for Nitrile Biosynthesis. <i>Journal of Natural Products</i> , 2014, 77, 2570-2574.	3.0	34
62	Insights into Secondary Metabolism from a Global Analysis of Prokaryotic Biosynthetic Gene Clusters. <i>Cell</i> , 2014, 158, 412-421.	28.9	801
63	A Systematic Analysis of Biosynthetic Gene Clusters in the Human Microbiome Reveals a Common Family of Antibiotics. <i>Cell</i> , 2014, 158, 1402-1414.	28.9	573
64	Image-Based 384-Well High-Throughput Screening Method for the Discovery of Skyclammycins A to C as Biofilm Inhibitors and Inducers of Biofilm Detachment in <i>Pseudomonas aeruginosa</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 1092-1099.	3.2	56
65	MS/MS-based networking and peptidogenomics guided genome mining revealed the stenothricin gene cluster in <i>Streptomyces roseosporus</i> . <i>Journal of Antibiotics</i> , 2014, 67, 99-104.	2.0	64
66	Sloth Hair as a Novel Source of Fungi with Potent Anti-Parasitic, Anti-Cancer and Anti-Bacterial Bioactivity. <i>PLoS ONE</i> , 2014, 9, e84549.	2.5	24
67	Molecular Networking as a Dereplication Strategy. <i>Journal of Natural Products</i> , 2013, 76, 1686-1699.	3.0	475
68	Mechanism of action-based classification of antibiotics using high-content bacterial image analysis. <i>Molecular BioSystems</i> , 2013, 9, 1837.	2.9	72
69	Development of Quinoline-Based Disruptors of Biofilm Formation Against <i>Vibrio cholerae</i> . <i>Organic Letters</i> , 2013, 15, 1234-1237.	4.6	29
70	“Function-First” Lead Discovery: Mode of Action Profiling of Natural Product Libraries Using Image-Based Screening. <i>Chemistry and Biology</i> , 2013, 20, 285-295.	6.0	89
71	Examination of the Mode of Action of the Almiramide Family of Natural Products against the Kinetoplastid Parasite <i>Trypanosoma brucei</i> . <i>Journal of Natural Products</i> , 2013, 76, 630-641.	3.0	37
72	Discovery and Biological Characterization of the Auromomycin Chromophore as an Inhibitor of Biofilm Formation in <i>Vibrio cholerae</i> . <i>ChemBioChem</i> , 2013, 14, 2209-2215.	2.6	21

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73	Chemical Inhibitors of the Type Three Secretion System: Disarming Bacterial Pathogens. <i>Antimicrobial Agents and Chemotherapy</i> , 2012, 56, 5433-5441.	3.2	114
74	Correction of F508del-CFTR Trafficking by the Sponge Alkaloid Latonduine Is Modulated by Interaction with PARP. <i>Chemistry and Biology</i> , 2012, 19, 1288-1299.	6.0	42
75	Development of Antibiotic Activity Profile Screening for the Classification and Discovery of Natural Product Antibiotics. <i>Chemistry and Biology</i> , 2012, 19, 1483-1495.	6.0	88
76	Hit-to-Lead Development of the Chamigrane Endoperoxide Merulin A for the Treatment of African Sleeping Sickness. <i>PLoS ONE</i> , 2012, 7, e46172.	2.5	10
77	Examining the Fish Microbiome: Vertebrate-Derived Bacteria as an Environmental Niche for the Discovery of Unique Marine Natural Products. <i>PLoS ONE</i> , 2012, 7, e35398.	2.5	79
78	Versatile Method for the Detection of Covalently Bound Substrates on Solid Supports by DART Mass Spectrometry. <i>Organic Letters</i> , 2011, 13, 3770-3773.	4.6	16
79	An image-based 384-well high-throughput screening method for the discovery of biofilm inhibitors in <i>Vibrio cholerae</i> . <i>Molecular BioSystems</i> , 2011, 7, 1176.	2.9	44
80	Highlights of marine invertebrate-derived biosynthetic products: Their biomedical potential and possible production by microbial associants. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 6658-6674.	3.0	107
81	On-resin N-methylation of cyclic peptides for discovery of orally bioavailable scaffolds. <i>Nature Chemical Biology</i> , 2011, 7, 810-817.	8.0	318
82	Total Synthesis, Stereochemical Assignment, and Antimalarial Activity of Gallinamide A. <i>Chemistry - A European Journal</i> , 2011, 17, 13544-13552.	3.3	42
83	Expedient synthesis of 1,1-dimethyl-2-hydroxy carbonyl scaffolds via Evans' aldol reaction with a tertiary enolate. <i>Tetrahedron Letters</i> , 2011, 52, 2929-2932.	1.4	14
84	Identification and Characterization of a Phosphodiesterase That Inversely Regulates Motility and Biofilm Formation in <i>Vibrio cholerae</i> . <i>Journal of Bacteriology</i> , 2010, 192, 4541-4552.	2.2	76
85	Dragonamide E, a Modified Linear Lipopeptide from <i>Lyngbya majuscula</i> with Antileishmanial Activity. <i>Journal of Natural Products</i> , 2010, 73, 60-66.	3.0	92
86	Almiramides A-C: Discovery and Development of a New Class of Leishmaniasis Lead Compounds. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 4187-4197.	6.4	99
87	Dereplication and de novo sequencing of nonribosomal peptides. <i>Nature Methods</i> , 2009, 6, 596-599.	19.0	81
88	Interpretation of Tandem Mass Spectra Obtained from Cyclic Nonribosomal Peptides. <i>Analytical Chemistry</i> , 2009, 81, 4200-4209.	6.5	83
89	Antimalarial Peptides from Marine Cyanobacteria: Isolation and Structural Elucidation of Gallinamide A. <i>Journal of Natural Products</i> , 2009, 72, 14-17.	3.0	147
90	New innovations for an old infection: antimalarial lead discovery from marine natural products during the period 2003-2008. <i>Future Medicinal Chemistry</i> , 2009, 1, 593-617.	2.3	11

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91	Symplocamide A, a Potent Cytotoxin and Chymotrypsin Inhibitor from the Marine Cyanobacterium <i>Symploca</i> sp.. Journal of Natural Products, 2008, 71, 22-27.	3.0	172
92	De Novo Sequencing of Nonribosomal Peptides. , 2008, , 181-195.		5
93	Venturamides A and B: Antimalarial Constituents of the Panamanian Marine Cyanobacterium <i>Oscillatoria</i> sp. Journal of Natural Products, 2007, 70, 397-401.	3.0	180
94	Antimalarial Linear Lipopeptides from a Panamanian Strain of the Marine Cyanobacterium <i>Lyngbya majuscula</i> . Journal of Natural Products, 2007, 70, 984-988.	3.0	143
95	Linking bioprospecting with sustainable development and conservation: the Panama case. Biodiversity and Conservation, 2007, 16, 2789-2800.	2.6	23
96	Caminosides B and D, Antimicrobial Glycolipids Isolated from the Marine Sponge <i>Caminus sphaeroconia</i> . Journal of Natural Products, 2006, 69, 173-177.	3.0	48
97	Securing Economic Benefits and Promoting Conservation through Bioprospecting. BioScience, 2006, 56, 1005.	4.9	26
98	Stereochemical Assignment in Acyclic Lipids Across Long Distance by Circular Dichroism: Absolute Stereochemistry of the Aglycone of Caminoside A. Angewandte Chemie - International Edition, 2004, 43, 5946-5951.	13.8	25
99	Latondaines A and B, New Alkaloids Isolated from the Marine Sponge <i>Stylissa carteri</i> : Structure Elucidation, Synthesis, and Biogenetic Implications. Organic Letters, 2003, 5, 2735-2738.	4.6	69
100	Caminoside A, an Antimicrobial Glycolipid Isolated from the Marine Sponge <i>Caminus sphaeroconia</i> . Organic Letters, 2002, 4, 4089-4092.	4.6	84
101	De Novo terpenoid biosynthesis by the dendronotid nudibranch <i>Melibe leonina</i> . Chemoecology, 2002, 12, 199-202.	1.1	16
102	Problems in Organic Structure Determination. , 0, , .		3