

Amy L Lane

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,143
citations

471509

17
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

1467
citing authors

#	ARTICLE	IF	CITATIONS
1	Desorption electrospray ionization mass spectrometry reveals surface-mediated antifungal chemical defense of a tropical seaweed. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 7314-7319.	7.1	200
2	A sea of biosynthesis: marine natural products meet the molecular age. <i>Natural Product Reports</i> , 2011, 28, 411-428.	10.3	112
3	Bioactivity-Guided Genome Mining Reveals the Lomaiviticin Biosynthetic Gene Cluster in <i>Salinispora tropica</i> . <i>ChemBioChem</i> , 2013, 14, 955-962.	2.6	82
4	The expanding spectrum of diketopiperazine natural product biosynthetic pathways containing cyclodipeptide synthases. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2305-2314.	2.8	81
5	Antimalarial Bromophycolides from the Fijian Red Alga <i>Callophycus serratus</i> . <i>Journal of Organic Chemistry</i> , 2009, 74, 2736-2742.	3.2	77
6	Structures and Comparative Characterization of Biosynthetic Gene Clusters for Cyanosporasides, Eneidyne-Derived Natural Products from Marine Actinomycetes. <i>Journal of the American Chemical Society</i> , 2013, 135, 4171-4174.	13.7	73
7	Reactive desorption electrospray ionization mass spectrometry (DESI-MS) of natural products of a marine alga. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 245-254.	3.7	61
8	Antibacterial Neurymenolides from the Fijian Red Alga <i>Neurymenia fraxinifolia</i> . <i>Organic Letters</i> , 2009, 11, 225-228.	4.6	55
9	Callophycic Acids and Callophycols from the Fijian Red Alga <i>Callophycus serratus</i> . <i>Journal of Organic Chemistry</i> , 2007, 72, 7343-7351.	3.2	52
10	Optimization of Peptide Hydroxamate Inhibitors of Insulin-Degrading Enzyme Reveals Marked Substrate-Selectivity. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 2246-2255.	6.4	51
11	Ecological leads for natural product discovery: novel sesquiterpene hydroquinones from the red macroalga <i>Peyssonnelia</i> sp.. <i>Tetrahedron</i> , 2010, 66, 455-461.	1.9	47
12	Two Distinct Cyclodipeptide Synthases from a Marine Actinomycete Catalyze Biosynthesis of the Same Diketopiperazine Natural Product. <i>ACS Synthetic Biology</i> , 2016, 5, 547-553.	3.8	38
13	Synergism between genome sequencing, tandem mass spectrometry and bio-inspired synthesis reveals insights into nocardioazine B biogenesis. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 7177-7192.	2.8	37
14	Accelerated bottom-up drug design platform enables the discovery of novel stearyl-CoA desaturase 1 inhibitors for cancer therapy. <i>Oncotarget</i> , 2018, 9, 3-20.	1.8	35
15	Metabolites derived from the tropical seagrass <i>Thalassia testudinum</i> are bioactive against pathogenic <i>Labyrinthula</i> sp. <i>Aquatic Botany</i> , 2015, 122, 1-8.	1.6	34
16	Characterization of an Orphan Diterpenoid Biosynthetic Operon from <i>Salinispora arenicola</i> . <i>Journal of Natural Products</i> , 2014, 77, 2144-2147.	3.0	27
17	Structures and Absolute Configurations of Sulfate-Conjugated Triterpenoids Including an Antifungal Chemical Defense of the Green Macroalga <i>Tydemania expeditionis</i> . <i>Journal of Natural Products</i> , 2008, 71, 1616-1619.	3.0	19
18	Characterization of the Nocardioxin Biosynthetic Gene Cluster Reveals Similarities to and Differences from the Rapamycin and FK506 Pathways. <i>ChemBioChem</i> , 2015, 16, 990-997.	2.6	15

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19	Biochemical Warfare on the Reef: The Role of Glutathione Transferases in Consumer Tolerance of Dietary Prostaglandins. PLoS ONE, 2010, 5, e8537.	2.5	14
20	Structure–activity relationship of chemical defenses from the freshwater plant <i>Micranthemum umbrosum</i> . Phytochemistry, 2006, 67, 1224-1231.	2.9	13
21	Bioinspired Brønsted Acid-Promoted Regioselective Tryptophan Isoprenylations. ACS Omega, 2021, 6, 10840-10858.	3.5	10
22	Analysis of glycy sarcosine transport by lobster intestine using gas chromatography. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2015, 185, 37-45.	1.5	3
23	An Isotopic Ratio Outlier Analysis Approach for Global Metabolomics of Biosynthetically Talented Actinomycetes. Metabolites, 2019, 9, 181.	2.9	3
24	A Virtual Screening Platform Identifies Chloroethylgelastatin A as a Potential Ribosomal Inhibitor. Biomolecules, 2020, 10, 1407.	4.0	1