John L Sorensen

List of Publications by Year
in descending order

46 papers	757 citations	516710 16 h-index	580821 25 g-index
49 all docs	49 docs citations	49 times ranked	973 citing authors

#	Article	IF	Citations
1	Wasalexins A and B, new phytoalexins from wasabi: Isolation, synthesis, and antifungal activity. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 3015-3020.	2.2	66
2	Putative identification of the usnic acid biosynthetic gene cluster by de novo whole-genome sequencing of a lichen-forming fungus. Fungal Biology, 2016, 120, 306-316.	2.5	57
3	Phytoalexin accumulation and antifungal compounds from the crucifer wasabi. Phytochemistry, 1998, 49, 1959-1965.	2.9	54
4	Transformations of cyclic nonaketides by Aspergillus terreus mutants blocked for lovastatin biosynthesis at the lovA and lovC genes. Organic and Biomolecular Chemistry, 2003, 1, 50-59.	2.8	44
5	Lichen Biosynthetic Gene Clusters. Part I. Genome Sequencing Reveals a Rich Biosynthetic Potential. Journal of Natural Products, 2018, 81, 723-731.	3.0	34
6	Crotonase Catalysis Enables Flexible Production of Functionalized Prolines and Carbapenams. Journal of the American Chemical Society, 2012, 134, 471-479.	13.7	32
7	Structural and Mechanistic Studies on Carboxymethylproline Synthase (CarB), a Unique Member of the Crotonase Superfamily Catalyzing the First Step in Carbapenem Biosynthesis*. Journal of Biological Chemistry, 2005, 280, 34956-34965.	3.4	31
8	In situ imaging of usnic acid in selected Cladonia spp. by vibrational spectroscopy. Analyst, The, 2010, 135, 3242.	3.5	31
9	A comprehensive catalogue of polyketide synthase gene clusters in lichenizing fungi. Journal of Industrial Microbiology and Biotechnology, 2018, 45, 1067-1081.	3.0	27
10	Algal carbohydrates affect polyketide synthesis of the lichen-forming fungusCladonia rangiferina. Mycologia, 2016, 108, 646-656.	1.9	25
11	The chemoenzymatic synthesis of usnic acid. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 2383-2385.	2.2	24
12	Identification of 6-Hydroxymellein Synthase and Accessory Genes in the Lichen Cladonia uncialis. Journal of Natural Products, 2016, 79, 1645-1650.	3.0	23
13	Polyketides produced by Daldinia loculata cultured from Northern Manitoba. Tetrahedron Letters, 2011, 52, 1697-1699.	1.4	21
14	Synthesis and antibiotic activity of novel acylated phloroglucinol compounds against methicillin-resistant Staphylococcus aureus. Journal of Antibiotics, 2019, 72, 253-259.	2.0	21
15	Lichen Biosynthetic Gene Clusters Part II: Homology Mapping Suggests a Functional Diversity. Journal of Natural Products, 2018, 81, 732-748.	3.0	20
16	Synthesis of regio- and stereoselectively deuterium-labelled derivatives of l-glutamate semialdehyde for studies on carbapenem biosynthesis. Organic and Biomolecular Chemistry, 2009, 7, 2770.	2.8	19
17	Effect of aposymbiotic conditions on colony growth and secondary metabolite production in the lichen-forming fungus Ramalina dilacerata. Fungal Biology, 2013, 117, 731-743.	2.5	17
18	The attenuated virulence of a <scp>B</scp>urkholderia cenocepaciaâ€...<scp>paaABCDE</scp> mutant is due to inhibition of quorum sensing by release of phenylacetic acid. Molecular Microbiology, 2014, 94, 522-536.	2.5	17

#	Article	IF	Citations
19	Synthesis of deuterium labelledl- andd-glutamate semialdehydes and their evaluation as substrates for carboxymethylproline synthase (CarB)â€"implications for carbapenem biosynthesis. Chemical Communications, 2005, , 1155-1157.	4.1	16
20	A c-di-GMP-Modulating Protein Regulates Swimming Motility of Burkholderia cenocepacia in Response to Arginine and Glutamate. Frontiers in Cellular and Infection Microbiology, 2018, 8, 56.	3.9	16
21	Synthetic cystic fibrosis sputum medium diminishes Burkholderia cenocepacia antifungal activity against Aspergillus fumigatus independently of phenylacetic acid production. Canadian Journal of Microbiology, 2017, 63, 427-438.	1.7	15
22	Monacolin N, a compound resulting from derailment of type I iterative polyketide synthase function en route to lovastatin. Chemical Communications, 2003, , 1492.	4.1	14
23	Use of 1H NMR in Assigning Carbohydrate Configuration in the Organic Laboratory. Journal of Chemical Education, 2006, 83, 785.	2.3	12
24	Structural and mechanistic studies on N2-(2-carboxyethyl)arginine synthase. Biochemical and Biophysical Research Communications, 2009, 385, 512-517.	2.1	11
25	Pure Rotational Spectrum and Ring Inversion Tunnelling of Silacyclobutane. Journal of Physical Chemistry A, 2011, 115, 8650-8655.	2.5	10
26	Lost in Translation: Challenges with Heterologous Expression of Lichen Polyketide Synthases. ChemistrySelect, 2019, 4, 6473-6483.	1.5	10
27	Limitations of the â€˜ambush hypothesisâ€™ at the single-gene scale: what codon biases are to blame?. Molecular Genetics and Genomics, 2015, 290, 493-504.	2.1	9
28	Study of adenylyl cyclase-GÎ±S interactions and identification of novel AC ligands. Molecular and Cellular Biochemistry, 2018, 446, 63-72.	3.1	9
29	Absence of a catalytic water confers resistance to the neurotoxin gabaculine. FASEB Journal, 2010, 24, 404-414.	0.5	8
30	Hemicellulose polysaccharide recovery from flax shive using alkaline solutions with sodium ethoxide pretreatment. Industrial Crops and Products, 2013, 44, 165-170.	5.2	7
31	Characterization of a Typeâ€2 Diacylglycerol Acyltransferase from Haematococcus pluvialis Reveals Possible Allostery of the Recombinant Enzyme. Lipids, 2020, 55, 425-433.	1.7	7
32	Phenylacetyl Coenzyme A, Not Phenylacetic Acid, Attenuates CepIR-Regulated Virulence in Burkholderia cenocepacia. Applied and Environmental Microbiology, 2019, 85, .	3.1	7
33	The isolation of citric acid derivatives fromAspergillus niger. FEMS Microbiology Letters, 2010, 306, 122-126.	1.8	6
34	Kinemage of action â€“ Proposed reaction mechanism of glutamate-1-semialdehyde aminomutase at an atomic level. Biochemical and Biophysical Research Communications, 2011, 413, 572-576.	2.1	5
35	Secondary Metabolites from a Strain of Alternaria tenuissima Isolated from Northern Manitoba Soil. Natural Product Communications, 2015, 10, 1934578X1501000.	0.5	5
36	Use of cyclic peptides to induce crystallization: case study with prolyl hydroxylase domain 2. Scientific Reports, 2020, 10, 21964.	3.3	5

#	Article	IF	Citations
37	Lichen ketosynthase domains are not responsible for inoperative polyketide synthases in Ascomycota hosts. Biochemical and Biophysical Research Communications, 2018, 503, 1228-1234.	2.1	4
38	Transcriptional heterologous expression of two type III PKS from the lichen Cladonia uncialis. Mycological Progress, 2019, 18, 1437-1447.	1.4	4
39	The Synthesis of Medium-Chain-Length Î²-Hydroxy Esters via the Reformatsky Reaction. Synthesis, 2014, 47, 79-82.	2.3	3
40	Measurement of Laminar Flame Speed and Flammability Limits of a Biodiesel Surrogate. Energy & Fuels, 2016, 30, 8737-8745.	5.1	3
41	A Comparison of the Bioactivity of Usnic Acid versus Methylphloroacetophenone. Natural Product Communications, 2018, 13, 1934578X1801301.	0.5	3
42	Extraction of flax shive using sodium ethoxide catalyst in anhydrous ethanol. Industrial Crops and Products, 2011, 34, 1245-1249.	5.2	2
43	Creation of a drug-sensitive reporter strain of Pseudomonas aeruginosa as a tool for the rapid screening of antimicrobial products. Journal of Microbiological Methods, 2018, 152, 1-6.	1.6	2
44	The biotransformation of aromatic amino acids by Phoma macrostoma. Natural Product Communications, 2010, 5, 81-4.	0.5	1
45	The Biotransformation of Aromatic Amino Acids by Phoma macrostoma. Natural Product Communications, 2010, 5, 1934578X1000500.	0.5	0
46	The isolation, purification and complete characterization of the diterpene forskolin from nutritional supplements. Bioorganic and Medicinal Chemistry Letters, 2021, 44, 128119.	2.2	0