

John L Sorensen

List of Publications by Year in descending order

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46
papers

757
citations

516710

16
h-index

580821

25
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49
all docs

49
docs citations

49
times ranked

973
citing authors

#	ARTICLE	IF	CITATIONS
1	The isolation, purification and complete characterization of the diterpene forskolin from nutritional supplements. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 44, 128119.	2.2	0
2	Characterization of a Type II Diacylglycerol Acyltransferase from <i>Haematococcus pluvialis</i> Reveals Possible Allostery of the Recombinant Enzyme. <i>Lipids</i> , 2020, 55, 425-433.	1.7	7
3	Use of cyclic peptides to induce crystallization: case study with prolyl hydroxylase domain 2. <i>Scientific Reports</i> , 2020, 10, 21964.	3.3	5
4	Lost in Translation: Challenges with Heterologous Expression of Lichen Polyketide Synthases. <i>ChemistrySelect</i> , 2019, 4, 6473-6483.	1.5	10
5	Synthesis and antibiotic activity of novel acylated phloroglucinol compounds against methicillin-resistant <i>Staphylococcus aureus</i> . <i>Journal of Antibiotics</i> , 2019, 72, 253-259.	2.0	21
6	Transcriptional heterologous expression of two type III PKS from the lichen <i>Cladonia uncialis</i> . <i>Mycological Progress</i> , 2019, 18, 1437-1447.	1.4	4
7	Phenylacetyl Coenzyme A, Not Phenylacetic Acid, Attenuates CepIR-Regulated Virulence in <i>Burkholderia cenocepacia</i> . <i>Applied and Environmental Microbiology</i> , 2019, 85, .	3.1	7
8	Lichen Biosynthetic Gene Clusters. Part I. Genome Sequencing Reveals a Rich Biosynthetic Potential. <i>Journal of Natural Products</i> , 2018, 81, 723-731.	3.0	34
9	Lichen Biosynthetic Gene Clusters Part II: Homology Mapping Suggests a Functional Diversity. <i>Journal of Natural Products</i> , 2018, 81, 732-748.	3.0	20
10	Study of adenylyl cyclase-G1±S interactions and identification of novel AC ligands. <i>Molecular and Cellular Biochemistry</i> , 2018, 446, 63-72.	3.1	9
11	A Comparison of the Bioactivity of Usnic Acid versus Methylphloroacetophenone. <i>Natural Product Communications</i> , 2018, 13, 1934578X1801301.	0.5	3
12	A comprehensive catalogue of polyketide synthase gene clusters in lichenizing fungi. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018, 45, 1067-1081.	3.0	27
13	Creation of a drug-sensitive reporter strain of <i>Pseudomonas aeruginosa</i> as a tool for the rapid screening of antimicrobial products. <i>Journal of Microbiological Methods</i> , 2018, 152, 1-6.	1.6	2
14	A c-di-GMP-Modulating Protein Regulates Swimming Motility of <i>Burkholderia cenocepacia</i> in Response to Arginine and Glutamate. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 56.	3.9	16
15	Lichen ketosynthase domains are not responsible for inoperative polyketide synthases in Ascomycota hosts. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1228-1234.	2.1	4
16	Synthetic cystic fibrosis sputum medium diminishes <i>Burkholderia cenocepacia</i> antifungal activity against <i>Aspergillus fumigatus</i> independently of phenylacetic acid production. <i>Canadian Journal of Microbiology</i> , 2017, 63, 427-438.	1.7	15
17	Measurement of Laminar Flame Speed and Flammability Limits of a Biodiesel Surrogate. <i>Energy & Fuels</i> , 2016, 30, 8737-8745.	5.1	3
18	Algal carbohydrates affect polyketide synthesis of the lichen-forming fungus <i>Cladonia rangiferina</i> . <i>Mycologia</i> , 2016, 108, 646-656.	1.9	25

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19	Identification of 6-Hydroxymellein Synthase and Accessory Genes in the Lichen <i>Cladonia uncialis</i> . <i>Journal of Natural Products</i> , 2016, 79, 1645-1650.	3.0	23
20	Putative identification of the usnic acid biosynthetic gene cluster by de novo whole-genome sequencing of a lichen-forming fungus. <i>Fungal Biology</i> , 2016, 120, 306-316.	2.5	57
21	Secondary Metabolites from a Strain of <i>Alternaria tenuissima</i> Isolated from Northern Manitoba Soil. <i>Natural Product Communications</i> , 2015, 10, 1934578X1501000.	0.5	5
22	Limitations of the "ambush hypothesis"™ at the single-gene scale: what codon biases are to blame?. <i>Molecular Genetics and Genomics</i> , 2015, 290, 493-504.	2.1	9
23	The Synthesis of Medium-Chain-Length β^2 -Hydroxy Esters via the Reformatsky Reaction. <i>Synthesis</i> , 2014, 47, 79-82.	2.3	3
24	The attenuated virulence of a <i>Burkholderia cenocepacia</i> mutant is due to inhibition of quorum sensing by release of phenylacetic acid. <i>Molecular Microbiology</i> , 2014, 94, 522-536.	2.5	17
25	Effect of aposymbiotic conditions on colony growth and secondary metabolite production in the lichen-forming fungus <i>Ramalina dilacerata</i> . <i>Fungal Biology</i> , 2013, 117, 731-743.	2.5	17
26	Hemicellulose polysaccharide recovery from flax shive using alkaline solutions with sodium ethoxide pretreatment. <i>Industrial Crops and Products</i> , 2013, 44, 165-170.	5.2	7
27	Crotonase Catalysis Enables Flexible Production of Functionalized Prolines and Carbapenams. <i>Journal of the American Chemical Society</i> , 2012, 134, 471-479.	13.7	32
28	Pure Rotational Spectrum and Ring Inversion Tunnelling of Silacyclobutane. <i>Journal of Physical Chemistry A</i> , 2011, 115, 8650-8655.	2.5	10
29	Kinematics of action " Proposed reaction mechanism of glutamate-1-semialdehyde aminomutase at an atomic level. <i>Biochemical and Biophysical Research Communications</i> , 2011, 413, 572-576.	2.1	5
30	Extraction of flax shive using sodium ethoxide catalyst in anhydrous ethanol. <i>Industrial Crops and Products</i> , 2011, 34, 1245-1249.	5.2	2
31	Polyketides produced by <i>Daldinia loculata</i> cultured from Northern Manitoba. <i>Tetrahedron Letters</i> , 2011, 52, 1697-1699.	1.4	21
32	The isolation of citric acid derivatives from <i>Aspergillus niger</i> . <i>FEMS Microbiology Letters</i> , 2010, 306, 122-126.	1.8	6
33	The Biotransformation of Aromatic Amino Acids by <i>Phoma macrostoma</i> . <i>Natural Product Communications</i> , 2010, 5, 1934578X1000500.	0.5	0
34	Absence of a catalytic water confers resistance to the neurotoxin gabaculine. <i>FASEB Journal</i> , 2010, 24, 404-414.	0.5	8
35	In situ imaging of usnic acid in selected <i>Cladonia</i> spp. by vibrational spectroscopy. <i>Analyst</i> , 2010, 135, 3242.	3.5	31
36	The biotransformation of aromatic amino acids by <i>Phoma macrostoma</i> . <i>Natural Product Communications</i> , 2010, 5, 81-4.	0.5	1

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37	The chemoenzymatic synthesis of usnic acid. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 2383-2385.	2.2	24
38	Structural and mechanistic studies on N2-(2-carboxyethyl)arginine synthase. <i>Biochemical and Biophysical Research Communications</i> , 2009, 385, 512-517.	2.1	11
39	Synthesis of regio- and stereoselectively deuterium-labelled derivatives of l-glutamate semialdehyde for studies on carbapenem biosynthesis. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2770.	2.8	19
40	Use of ¹ H NMR in Assigning Carbohydrate Configuration in the Organic Laboratory. <i>Journal of Chemical Education</i> , 2006, 83, 785.	2.3	12
41	Structural and Mechanistic Studies on Carboxymethylproline Synthase (CarB), a Unique Member of the Crotonase Superfamily Catalyzing the First Step in Carbapenem Biosynthesis*. <i>Journal of Biological Chemistry</i> , 2005, 280, 34956-34965.	3.4	31
42	Synthesis of deuterium labelled l- and d-glutamate semialdehydes and their evaluation as substrates for carboxymethylproline synthase (CarB) – implications for carbapenem biosynthesis. <i>Chemical Communications</i> , 2005, , 1155-1157.	4.1	16
43	Transformations of cyclic nonaketides by <i>Aspergillus terreus</i> mutants blocked for lovastatin biosynthesis at the lovA and lovC genes. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 50-59.	2.8	44
44	Monacolin N, a compound resulting from derailment of type I iterative polyketide synthase function en route to lovastatin. <i>Chemical Communications</i> , 2003, , 1492.	4.1	14
45	Wasalexins A and B, new phytoalexins from wasabi: Isolation, synthesis, and antifungal activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999, 9, 3015-3020.	2.2	66
46	Phytoalexin accumulation and antifungal compounds from the crucifer wasabi. <i>Phytochemistry</i> , 1998, 49, 1959-1965.	2.9	54