

Christopher Jeffrey

List of Publications by Year in descending order

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39
papers

2,794
citations

279798
23
h-index

315739
38
g-index

49
all docs

49
docs citations

49
times ranked

3033
citing authors

#	ARTICLE	IF	CITATIONS
1	Mosher ester analysis for the determination of absolute configuration of stereogenic (chiral) carbinol carbons. <i>Nature Protocols</i> , 2007, 2, 2451-2458.	12.0	655
2	Phytochemical diversity drives plant-insect community diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 10973-10978.	7.1	246
3	Mixture of new sulfated steroids functions as a migratory pheromone in the sea lamprey. <i>Nature Chemical Biology</i> , 2005, 1, 324-328.	8.0	222
4	Relay Ring-Closing Metathesis (RRCM): A Strategy for Directing Metal Movement Throughout Olefin Metathesis Sequences. <i>Journal of the American Chemical Society</i> , 2004, 126, 10210-10211.	13.7	211
5	Generation and Reactivity of Aza-Oxyallyl Cationic Intermediates: Aza-[4 + 3] Cycloaddition Reactions for Heterocycle Synthesis. <i>Journal of the American Chemical Society</i> , 2011, 133, 7688-7691.	13.7	178
6	Dearomative Indole Cycloaddition Reactions of Aza-Oxyallyl Cationic Intermediates: Modular Access to Pyrroloindolines. <i>Journal of the American Chemical Society</i> , 2015, 137, 14858-14860.	13.7	150
7	A Hypervalent Iodine-Induced Double Annulation Enables a Concise Synthesis of the Pentacyclic Core Structure of the Cortistatins. <i>Organic Letters</i> , 2009, 11, 5394-5397.	4.6	106
8	Phytochemical diversity and synergistic effects on herbivores. <i>Phytochemistry Reviews</i> , 2016, 15, 1153-1166.	6.5	97
9	Modern approaches to study plant-insect interactions in chemical ecology. <i>Nature Reviews Chemistry</i> , 2018, 2, 50-64.	30.2	97
10	Intraspecific phytochemical variation shapes community and population structure for specialist caterpillars. <i>New Phytologist</i> , 2016, 212, 208-219.	7.3	90
11	Trapping the elusive aza-oxyallylic cation: new opportunities in heterocycloaddition chemistry. <i>Tetrahedron Letters</i> , 2014, 55, 4690-4696.	1.4	70
12	Access to 4-Oxazolidinones: A (3 + 2) Cycloaddition Approach. <i>Organic Letters</i> , 2016, 18, 6082-6085.	4.6	68
13	Intramolecular Aza-[4+3] Cycloaddition Reactions of $\hat{\pm}$ -Halohydroxamates. <i>Synthesis</i> , 2013, 45, 1825-1836.	2.3	66
14	Oxidative 1,4-Diamination of Dienes Using Simple Urea Derivatives. <i>Organic Letters</i> , 2014, 16, 5112-5115.	4.6	43
15	Access to bicyclic hydroxamate macrocycles via intramolecular aza-(4 + 3) cycloaddition reactions of aza-oxyallylic cation intermediates. <i>Organic Chemistry Frontiers</i> , 2016, 3, 330-334.	4.5	42
16	Details of the Structure Determination of the Sulfated Steroids PSDS and PADS: New Components of the Sea Lamprey (<i>Petromyzonmarinus</i>) Migratory Pheromone. <i>Journal of Organic Chemistry</i> , 2007, 72, 7544-7550.	3.2	41
17	1,4-Diamination of Cyclic Dienes via a (4 + 3) Cycloaddition of Diaza-allyl Cationic Intermediates. <i>Organic Letters</i> , 2012, 14, 5764-5767.	4.6	36
18	Patterns of Secondary Metabolite Allocation to Fruits and Seeds in <i>Piper reticulatum</i> . <i>Journal of Chemical Ecology</i> , 2013, 39, 1373-1384.	1.8	34

#	ARTICLE	IF	CITATIONS
19	Antiherbivore Prenylated Benzoic Acid Derivatives from <i>Piper kelleyi</i> . Journal of Natural Products, 2014, 77, 148-153.	3.0	33
20	Similarity in volatile communities leads to increased herbivory and greater tropical forest diversity. Ecology, 2017, 98, 1750-1756.	3.2	32
21	Oxidative (3 + 2) Cycloaddition Reactions of Diaza-Oxyallyl Cationic Intermediates and Indoles for the Synthesis of Imidazoloindolines. Organic Letters, 2016, 18, 476-479.	4.6	29
22	Dynamic Kinetic Resolution During a Vinylogous Payne Rearrangement: A Concise Synthesis of the Polar Pharmacophoric Subunit of (+)-Scyphostatin. Organic Letters, 2010, 12, 52-55.	4.6	25
23	Age-dependent changes from allylphenol to prenylated benzoic acid production in <i>Piper gaudichaudianum</i> Kunth. Phytochemistry, 2014, 106, 86-93.	2.9	25
24	exo-Brevicommin biosynthetic pathway enzymes from the Mountain Pine Beetle, <i>Dendroctonus ponderosae</i> . Insect Biochemistry and Molecular Biology, 2014, 53, 73-80.	2.7	24
25	exo-Brevicommin Biosynthesis in the Fat Body of the Mountain Pine Beetle, <i>Dendroctonus ponderosae</i> . Journal of Chemical Ecology, 2014, 40, 181-189.	1.8	22
26	Natural products from <i>Peperomia</i> : occurrence, biogenesis and bioactivity. Phytochemistry Reviews, 2016, 15, 1009-1033.	6.5	22
27	New dimensions of tropical diversity: an inordinate fondness for insect molecules, taxa, and trophic interactions. Current Opinion in Insect Science, 2014, 2, 14-19.	4.4	21
28	Proximity to canopy mediates changes in the defensive chemistry and herbivore loads of an understory tropical shrub, <i>Piper kelleyi</i> . Ecology Letters, 2019, 22, 332-341.	6.4	21
29	Structural and compositional dimensions of phytochemical diversity in the genus <i>Piper</i> reflect distinct ecological modes of action. Journal of Ecology, 2022, 110, 57-67.	4.0	14
30	Shedding Light on Chemically Mediated Tri-Trophic Interactions: A 1H-NMR Network Approach to Identify Compound Structural Features and Associated Biological Activity. Frontiers in Plant Science, 2018, 9, 1155.	3.6	12
31	The chemical ecology of tropical forest diversity: Environmental variation, chemical similarity, herbivory, and richness. Ecology, 2022, 103, e3762.	3.2	12
32	Cytotoxic non-aromatic B-ring flavanones from <i>Piper carniconnectivum</i> C. DC.. Phytochemistry, 2014, 97, 81-87.	2.9	10
33	New building blocks for iminosugars: a concise synthesis of polyhydroxylated N-alkoxypiperidines through an intramolecular azepine ring contraction. Organic Chemistry Frontiers, 2015, 2, 497-501.	4.5	10
34	Secondary metabolites in a neotropical shrub: spatiotemporal allocation and role in fruit defense and dispersal. Ecology, 2020, 101, e03192.	3.2	9
35	Phytochemistry reflects different evolutionary history in traditional classes versus specialized structural motifs. Scientific Reports, 2021, 11, 17247.	3.3	9
36	Fine-Scale Differentiation in Diet and Metabolomics of Small Mammals Across a Sharp Ecological Transition. Frontiers in Ecology and Evolution, 2020, 8, .	2.2	5

#	ARTICLE	IF	CITATIONS
37	Elevated atmospheric concentrations of CO ₂ increase endogenous immune function in a specialist herbivore. <i>Journal of Animal Ecology</i> , 2021, 90, 628-640.	2.8	3
38	Student Empowerment through "Mini-microscale" Reactions: The Epoxidation of 1 mg of Geraniol. <i>Journal of Chemical Education</i> , 2006, 83, 919.	2.3	2
39	Chemically Mediated Multi-trophic Interactions. , 2021, , 17-38.		1