

# Benjamin R Lichman

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

926  
citations

567144

15  
h-index

752573

20  
g-index

26  
all docs

26  
docs citations

26  
times ranked

945  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phylogeny-Aware Chemoinformatic Analysis of Chemical Diversity in Lamiaceae Enables Iridoid Pathway Assembly and Discovery of Aucubin Synthase. <i>Molecular Biology and Evolution</i> , 2022, 39, .	3.5	4
2	Plant biosynthetic gene clusters in the context of metabolic evolution. <i>Natural Product Reports</i> , 2022, 39, 1465-1482.	5.2	21
3	The scaffold-forming steps of plant alkaloid biosynthesis. <i>Natural Product Reports</i> , 2021, 38, 103-129.	5.2	94
4	Cell-Free Total Biosynthesis of Plant Terpene Natural Products Using an Orthogonal Cofactor Regeneration System. <i>ACS Catalysis</i> , 2021, 11, 9898-9903.	5.5	16
5	Dreaming of clean bean protein. <i>Nature Plants</i> , 2021, 7, 860-861.	4.7	0
6	Nature's Chemists: The Discovery and Engineering of Phytochemical Biosynthesis. <i>Frontiers in Chemistry</i> , 2020, 8, 596479.	1.8	16
7	Single step syntheses of (1S)-aryl-tetrahydroisoquinolines by norcoclaurine synthases. <i>Communications Chemistry</i> , 2020, 3, .	2.0	10
8	The evolutionary origins of the cat attractant nepetalactone in catnip. <i>Science Advances</i> , 2020, 6, eaba0721.	4.7	70
9	Gene and genome duplications in the evolution of chemodiversity: perspectives from studies of Lamiaceae. <i>Current Opinion in Plant Biology</i> , 2020, 55, 74-83.	3.5	44
10	Biocatalytic Strategies towards [4+2] Cycloadditions. <i>Chemistry - A European Journal</i> , 2019, 25, 6864-6877.	1.7	38
11	Frontispiece: Biocatalytic Strategies towards [4+2] Cycloadditions. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	0
12	Uncoupled activation and cyclization in catmint reductive terpenoid biosynthesis. <i>Nature Chemical Biology</i> , 2019, 15, 71-79.	3.9	56
13	One-pot chemoenzymatic synthesis of trolline and tetrahydroisoquinoline analogues. <i>Chemical Communications</i> , 2018, 54, 1323-1326.	2.2	36
14	Phylogenomic Mining of the Mints Reveals Multiple Mechanisms Contributing to the Evolution of Chemical Diversity in Lamiaceae. <i>Molecular Plant</i> , 2018, 11, 1084-1096.	3.9	109
15	Enzyme catalysed Pictet-Spengler formation of chiral 1,1a <sup>TM</sup> -disubstituted- and spiro-tetrahydroisoquinolines. <i>Nature Communications</i> , 2017, 8, 14883.	5.8	75
16	Structural Evidence for the Dopamine-First Mechanism of Norcoclaurine Synthase. <i>Biochemistry</i> , 2017, 56, 5274-5277.	1.2	40
17	Enzymatic and Chemoenzymatic Three-Step Cascades for the Synthesis of Stereochemically Complementary Trisubstituted Tetrahydroisoquinolines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12503-12507.	7.2	85
18	Enzymatic and Chemoenzymatic Three-Step Cascades for the Synthesis of Stereochemically Complementary Trisubstituted Tetrahydroisoquinolines. <i>Angewandte Chemie</i> , 2017, 129, 12677-12681.	1.6	21

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19	A transatlantic perspective on 20 emerging issues in biological engineering. <i>ELife</i> , 2017, 6, .	2.8	49
20	One-pot triangular chemoenzymatic cascades for the syntheses of chiral alkaloids from dopamine. <i>Green Chemistry</i> , 2015, 17, 852-855.	4.6	70
21	â€˜Dopamineâ€™ mechanism enables the rational engineering of the norcoclaurine synthase aldehyde activity profile. <i>FEBS Journal</i> , 2015, 282, 1137-1151.	2.2	60
22	The Folding of a Family of Three-Helix Bundle Proteins: Spectrin R15 Has a Robust Folding Nucleus, Unlike Its Homologous Neighbours. <i>Journal of Molecular Biology</i> , 2014, 426, 1600-1610.	2.0	11