Kyle W Knouse

List of Publications by Year
in descending order

14	992	933447 10	940533 16
papers	citations	h-index	g-index

19	19	19	1321
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Decarboxylative alkenylation. Nature, 2017, 545, 213-218.	27.8	277
2	Electrochemically Driven, Ni-Catalyzed Aryl Amination: Scope, Mechanism, and Applications. Journal of the American Chemical Society, 2019, 141, 6392-6402.	13.7	251
3	Unlocking P(V): Reagents for chiral phosphorothioate synthesis. Science, 2018, 361, 1234-1238.	12.6	160
4	Serine-Selective Bioconjugation. Journal of the American Chemical Society, 2020, 142, 17236-17242.	13.7	58
5	Enantiodivergent Formation of Câ€“P Bonds: Synthesis of P-Chiral Phosphines and Methylphosphonate Oligonucleotides. Journal of the American Chemical Society, 2020, 142, 5785-5792.	13.7	56
6	Nature Chose Phosphates and Chemists Should Too: How Emerging P(V) Methods Can Augment Existing Strategies. ACS Central Science, 2021, 7, 1473-1485.	11.3	41
7	A P(V) platform for oligonucleotide synthesis. Science, 2021, 373, 1265-1270.	12.6	38
8	Total Synthesis and Biological Investigation of (â^')-Promysalin. Journal of the American Chemical Society, 2015, 137, 7314-7317.	13.7	34
9	Diverted Total Synthesis of Promysalin Analogs Demonstrates That an Iron-Binding Motif Is Responsible for Its Narrow-Spectrum Antibacterial Activity. Journal of the American Chemical Society, 2016, 138, 5833-5836.	13.7	29
10	Mild and Chemoselective Phosphorylation of Alcohols Using a Î¨-Reagent. Organic Letters, 2021, 23, 9337-9342.	4.6	13
11	Synthetic Elaboration of Native DNA by RASS (SENDR). ACS Central Science, 2020, 6, 1789-1799.	11.3	12
12	The enantioselective synthesis and biological evaluation of chimeric promysalin analogs facilitated by diverted total synthesis. Journal of Antibiotics, 2016, 69, 337-339.	2.0	9
13	A novel application of the Staudinger ligation to access neutral cyclic di-nucleotide analog precursors via a divergent method. RSC Advances, 2017, 7, 29835-29838.	3.6	4
14	Selenomethionine as an expressible handle for bioconjugations. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	4