

# Noah Z Burns

## List of Publications by Year in descending order

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Version: 2024-02-01

29  
papers

1,448  
citations

361413

20  
h-index

477307

29  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1537  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanochemical unzipping of insulating poly ladderene to semiconducting polyacetylene. <i>Science</i> , 2017, 357, 475-479.	12.6	240
2	Catalytic Chemo-, Regio-, and Enantioselective Bromochlorination of Allylic Alcohols. <i>Journal of the American Chemical Society</i> , 2015, 137, 3795-3798.	13.7	100
3	Catalytic Enantioselective Dibromination of Allylic Alcohols. <i>Journal of the American Chemical Society</i> , 2013, 135, 12960-12963.	13.7	93
4	Catalytic Enantioselective Dihalogenation and the Selective Synthesis of (âˆ™)-Deschloromytilipin A and (âˆ™)-Danicalipin A. <i>Journal of the American Chemical Society</i> , 2016, 138, 5150-5158.	13.7	86
5	Catalytic Enantioselective Dihalogenation in Total Synthesis. <i>Accounts of Chemical Research</i> , 2018, 51, 1260-1271.	15.6	85
6	Chemical Synthesis and Self-Assembly of a Ladderane Phospholipid. <i>Journal of the American Chemical Society</i> , 2016, 138, 15845-15848.	13.7	78
7	The cascade unzipping of ladderane reveals dynamic effects in mechanochemistry. <i>Nature Chemistry</i> , 2020, 12, 302-309.	13.6	76
8	Chiral Alkyl Halides: Underexplored Motifs in Medicine. <i>Marine Drugs</i> , 2016, 14, 206.	4.6	69
9	Mechanochemical synthesis of an elusive fluorinated polyacetylene. <i>Nature Chemistry</i> , 2021, 13, 41-46.	13.6	64
10	Site-selective bromination of sp <sup>3</sup> C-H bonds. <i>Chemical Science</i> , 2018, 9, 100-104.	7.4	61
11	Highly Selective Synthesis of Halomon, Plocamenone, and Isoplocamenone. <i>Journal of the American Chemical Society</i> , 2015, 137, 12784-12787.	13.7	58
12	Ladderane phospholipids form a densely packed membrane with normal hydrazine and anomalously low proton/hydroxide permeability. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9098-9103.	7.1	58
13	Catalytic Regio- and Enantioselective Haloazidation of Allylic Alcohols. <i>Journal of the American Chemical Society</i> , 2018, 140, 15646-15650.	13.7	44
14	Bicyclohexene- <i>peri</i> -naphthalenes: Scalable Synthesis, Diverse Functionalization, Efficient Polymerization, and Facile Mechanoactivation of Their Polymers. <i>Journal of the American Chemical Society</i> , 2020, 142, 14619-14626.	13.7	43
15	Cannabinoid receptor 1 antagonist genistein attenuates marijuana-induced vascular inflammation. <i>Cell</i> , 2022, 185, 1676-1693.e23.	28.9	40
16	Automatic discovery of photoisomerization mechanisms with nanosecond machine learning photodynamics simulations. <i>Chemical Science</i> , 2021, 12, 5302-5314.	7.4	38
17	Synthesis and Mechanochemical Activation of Ladderene- <i>norbornene</i> Block Copolymers. <i>Journal of the American Chemical Society</i> , 2018, 140, 12388-12391.	13.7	37
18	A Unified Approach for the Enantioselective Synthesis of the Brominated Chamigrene Sesquiterpenes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11476-11479.	13.8	35

#	ARTICLE	IF	CITATIONS
19	Canvass: A Crowd-Sourced, Natural-Product Screening Library for Exploring Biological Space. ACS Central Science, 2018, 4, 1727-1741.	11.3	32
20	Enantioselective Synthesis of Azamerone. Journal of the American Chemical Society, 2019, 141, 2867-2871.	13.7	31
21	Selective bromochlorination of a homoallylic alcohol for the total synthesis of (âˆ™)-anverene. Beilstein Journal of Organic Chemistry, 2016, 12, 1361-1365.	2.2	17
22	Enantiospecific Solvolytic Functionalization of Bromochlorides. Journal of the American Chemical Society, 2017, 139, 13562-13569.	13.7	15
23	Enantioselective Cyclobutenylation of Olefins Using <i>N</i> -Sulfonyl-1,2,3-Triazoles as Vicinal Dicarbene Equivalents. Organic Letters, 2021, 23, 6530-6535.	4.6	15
24	A convenient C=C functionalization platform for pyrroloiminoquinone alkaloid synthesis. Tetrahedron, 2019, 75, 3366-3370.	1.9	9
25	Emulation illuminates biosynthesis. Nature Chemistry, 2015, 7, 860-861.	13.6	7
26	Enantioselective Total Synthesis of the Archaeal Lipid Parallel GDGTâ€œ (Isocaldarchaeol)**. Angewandte Chemie - International Edition, 2021, 60, 17491-17496.	13.8	6
27	A Unified Approach for the Enantioselective Synthesis of the Brominated Chamigrene Sesquiterpenes. Angewandte Chemie, 2016, 128, 11648-11651.	2.0	5
28	Halogenation-Dependent Effects of the Chlorosulfolipids of <i>Ochromonas danica</i> on Lipid Bilayers. ACS Chemical Biology, 2020, 15, 2986-2995.	3.4	3
29	Enantioselective Total Synthesis of the Archaeal Lipid Parallel GDGTâ€œ (Isocaldarchaeol)**. Angewandte Chemie, 2021, 133, 17632-17637.	2.0	2