

Hosea M Nelson

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

1,766
citations

361413

20
h-index

302126

39
g-index

55
all docs

55
docs citations

55
times ranked

2040
citing authors

#	ARTICLE	IF	CITATIONS
1	The CryoEM Method MicroED as a Powerful Tool for Small Molecule Structure Determination. ACS Central Science, 2018, 4, 1587-1592.	11.3	307
2	Nonclassical Applications of <i>closo</i> -Carborane Anions: From Main Group Chemistry and Catalysis to Energy Storage. Chemical Reviews, 2019, 119, 8262-8290.	47.7	220
3	Enantioselective 1,1-Arylborylation of Alkenes: Merging Chiral Anion Phase Transfer with Pd Catalysis. Journal of the American Chemical Society, 2015, 137, 3213-3216.	13.7	146
4	Side Chain Chemistry Mediates Backbone Fragmentation in Hydrogen Deficient Peptide Radicals. Journal of Proteome Research, 2009, 8, 958-966.	3.7	137
5	Arylation of hydrocarbons enabled by organosilicon reagents and weakly coordinating anions. Science, 2017, 355, 1403-1407.	12.6	116
6	Chiral Anion Phase Transfer of Aryldiazonium Cations: An Enantioselective Synthesis of C3-Diazinated Pyrroloindolines. Angewandte Chemie - International Edition, 2014, 53, 5600-5603.	13.8	104
7	Teaching an old carbocation new tricks: Intermolecular C-H insertion reactions of vinyl cations. Science, 2018, 361, 381-387.	12.6	95
8	Enantioselective Heck-Matsuda Arylations through Chiral Anion Phase Transfer of Aryl Diazonium Salts. Angewandte Chemie - International Edition, 2017, 56, 5806-5811.	13.8	54
9	Characterization of Reactive Organometallic Species via MicroED. ACS Central Science, 2019, 5, 1507-1513.	11.3	39
10	Vinyl Carbocations Generated under Basic Conditions and Their Intramolecular C-H Insertion Reactions. Journal of the American Chemical Society, 2019, 141, 9140-9144.	13.7	37
11	Structure Revision of the Lomaiviticins. Journal of the American Chemical Society, 2021, 143, 6578-6585.	13.7	36
12	Progress toward the Synthesis of the Basiliolides and Transtaganolides: An Intramolecular Pyrone Diels-Alder Entry into a Novel Class of Natural Products. Organic Letters, 2008, 10, 25-28.	4.6	35
13	Total Syntheses of (±)-Transtaganolide...A, (+)-Transtaganolide...B, (+)-Transtaganolide...C, and (±)-Transtaganolide...D and Biosynthetic Implications. Angewandte Chemie - International Edition, 2013, 52, 6699-6703.	13.8	35
14	A General Approach to the Basiliolide/Transtaganolide Natural Products: Total Syntheses of Basiliolide...B, (+)-Basiliolide...B, Transtaganolide...C, and Transtaganolide...D. Angewandte Chemie - International Edition, 2011, 50, 3688-3691.	13.8	33
15	Selective Nucleic Acid Capture with Shielded Covalent Probes. Journal of the American Chemical Society, 2013, 135, 9691-9699.	13.7	31
16	Prospecting for natural products by genome mining and microcrystal electron diffraction. Nature Chemical Biology, 2021, 17, 872-877.	8.0	31
17	Solution-processable and functionalizable ultra-high molecular weight polymers via topochemical synthesis. Nature Communications, 2021, 12, 6818.	12.8	30
18	Unraveling the Electrical and Magnetic Properties of Layered Conductive Metal-Organic Framework With Atomic Precision. Angewandte Chemie - International Edition, 2022, 61, .	13.8	27

#	ARTICLE	IF	CITATIONS
19	Progress toward the synthesis of the transtaganolide/basiliolide natural products: an Irelandâ€Claisen approach. <i>Tetrahedron Letters</i> , 2009, 50, 1699-1701.	1.4	20
20	The Total Syntheses of Basiliolide C, epi-Basiliolide C, and Protecting-Group-Free Total Syntheses of Transtaganolides C and D. <i>Journal of Organic Chemistry</i> , 2014, 79, 9740-9747.	3.2	20
21	Urea-Catalyzed Vinyl Carbocation Formation Enables Mild Functionalization of Unactivated Câ€H Bonds. <i>Organic Letters</i> , 2020, 22, 7775-7779.	4.6	18
22	Elucidation of Diverse Solidâ€State Packing in a Family of Electronâ€Deficient Expanded Helicenes via Microcrystal Electron Diffraction (MicroED)**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2493-2499.	13.8	17
23	A Concise Total Synthesis of (Â±)â€Vibralactone. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1724-1726.	13.8	16
24	Identification of Uric Acid Gluconucleosideâ€Ascaroside Conjugates in <i>Caenorhabditis elegans</i> by Combining Synthesis and MicroED. <i>Organic Letters</i> , 2020, 22, 6724-6728.	4.6	15
25	Unraveling the Electrical and Magnetic Properties of Layered Conductive Metalâ€Organic Framework With Atomic Precision. <i>Angewandte Chemie</i> , 2022, 134, e202113569.	2.0	14
26	Enantioselective Heckâ€Matsuda Arylations through Chiral Anion Phaseâ€Transfer of Aryl Diazonium Salts. <i>Angewandte Chemie</i> , 2017, 129, 5900-5905.	2.0	13
27	Enhanced Gearing Fidelity Achieved Through Macrocyclization of a Solvated Molecular Spur Gear. <i>Journal of the American Chemical Society</i> , 2021, 143, 7740-7747.	13.7	12
28	Isolation and X-ray Crystal Structure of an Electrogenated TEMPOâ€N ₃ Charge-Transfer Complex. <i>Organic Letters</i> , 2021, 23, 454-458.	4.6	12
29	Electrochemical Fluorination of Vinyl Boronates through Donorâ€Stabilized Vinyl Carbocation Intermediates**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	11
30	Sterically Invariant Carborane-Based Ligands for the Morphological and Electronic Control of Metalâ€Organic Chalcogenolate Assemblies. <i>Chemistry of Materials</i> , 2022, 34, 6933-6943.	6.7	11
31	Biosynthesis of the Fusarium Mycotoxin (â€)-Sambutoxin. <i>Organic Letters</i> , 2021, 23, 7819-7823.	4.6	10
32	Conductive Stimuli-Responsive Coordination Network Linked with Bismuth for Chemiresistive Gas Sensing. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 60306-60318.	8.0	8
33	A Concise Total Synthesis of (Â±)â€Vibralactone. <i>Angewandte Chemie</i> , 2019, 131, 1738-1740.	2.0	6
34	Elucidation of Diverse Solidâ€State Packing in a Family of Electronâ€Deficient Expanded Helicenes via Microcrystal Electron Diffraction (MicroED)**. <i>Angewandte Chemie</i> , 2021, 133, 2523-2529.	2.0	5
35	Regulating Transitionâ€Metal Catalysis through Interference by Short RNAs. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16400-16404.	13.8	4
36	Câ€H Functionalization Reactions of Phenyl and Vinyl Carbocations Paired with Weakly Coordinating Anions. <i>Synlett</i> , 2020, 31, 1851-1856.	1.8	4

#	ARTICLE	IF	CITATIONS
37	Dewar Heterocycles as Versatile Monomers for Ring-Opening Metathesis Polymerization. ACS Macro Letters, 2020, 9, 731-735.	4.8	3
38	Cesium carbonate mediated C-H functionalization of perhalogenated 12-vertex carborane anions. Chemical Communications, 2022, 58, 4060-4062.	4.1	1
39	Regulating Transition-Metal Catalysis through Interference by Short RNAs. Angewandte Chemie, 2019, 131, 16552-16556.	2.0	0
40	Intermolecular C-H Insertion of Aryl Cations. Trends in Chemistry, 2019, 1, 882-883.	8.5	0
41	Electrochemical Fluorination of Vinyl Boronates through Donor-Stabilized Vinyl Carbocation Intermediates**. Angewandte Chemie, 0, , e202113972.	2.0	0