

# 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

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55  
docs citations

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times ranked

2040  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unraveling the Electrical and Magnetic Properties of Layered Conductive Metal-Organic Framework With Atomic Precision. <i>Angewandte Chemie</i> , 2022, 134, e202113569.	2.0	14
2	Unraveling the Electrical and Magnetic Properties of Layered Conductive Metal-Organic Framework With Atomic Precision. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	27
3	Electrochemical Fluorination of Vinyl Boronates through Donor-Stabilized Vinyl Carbocation Intermediates**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	11
4	Cesium carbonate mediated C-H functionalization of perhalogenated 12-vertex carborane anions. <i>Chemical Communications</i> , 2022, 58, 4060-4062.	4.1	1
5	Sterically Invariant Carborane-Based Ligands for the Morphological and Electronic Control of Metal-Organic Chalcogenolate Assemblies. <i>Chemistry of Materials</i> , 2022, 34, 6933-6943.	6.7	11
6	Elucidation of Diverse Solid-State Packing in a Family of Electron-Deficient Expanded Helicenes via Microcrystal Electron Diffraction (MicroED)**. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2493-2499.	13.8	17
7	Elucidation of Diverse Solid-State Packing in a Family of Electron-Deficient Expanded Helicenes via Microcrystal Electron Diffraction (MicroED)**. <i>Angewandte Chemie</i> , 2021, 133, 2523-2529.	2.0	5
8	Structure Revision of the Lomaiviticins. <i>Journal of the American Chemical Society</i> , 2021, 143, 6578-6585.	13.7	36
9	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
10	Prospecting for natural products by genome mining and microcrystal electron diffraction. <i>Nature Chemical Biology</i> , 2021, 17, 872-877.	8.0	31
11	Biosynthesis of the Fusarium Mycotoxin ( $\alpha$ )-Sambutoxin. <i>Organic Letters</i> , 2021, 23, 7819-7823.	4.6	10
12	Isolation and X-ray Crystal Structure of an Electrogenerated TEMPO-N <sub>3</sub> Charge-Transfer Complex. <i>Organic Letters</i> , 2021, 23, 454-458.	4.6	12
13	Solution-processable and functionalizable ultra-high molecular weight polymers via topochemical synthesis. <i>Nature Communications</i> , 2021, 12, 6818.	12.8	30
14	Conductive Stimuli-Responsive Coordination Network Linked with Bismuth for Chemiresistive Gas Sensing. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 60306-60318.	8.0	8
15	C-H Functionalization Reactions of Phenyl and Vinyl Carbocations Paired with Weakly Coordinating Anions. <i>Synlett</i> , 2020, 31, 1851-1856.	1.8	4
16	Identification of Uric Acid Gluconucleoside-Ascaroside Conjugates in <i>Caenorhabditis elegans</i> by Combining Synthesis and MicroED. <i>Organic Letters</i> , 2020, 22, 6724-6728.	4.6	15
17	Urea-Catalyzed Vinyl Carbocation Formation Enables Mild Functionalization of Unactivated C-H Bonds. <i>Organic Letters</i> , 2020, 22, 7775-7779.	4.6	18
18	Dewar Heterocycles as Versatile Monomers for Ring-Opening Metathesis Polymerization. <i>ACS Macro Letters</i> , 2020, 9, 731-735.	4.8	3

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19	Regulating Transition-Metal Catalysis through Interference by Short RNAs. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16400-16404.	13.8	4
20	Regulating Transition-Metal Catalysis through Interference by Short RNAs. <i>Angewandte Chemie</i> , 2019, 131, 16552-16556.	2.0	0
21	Characterization of Reactive Organometallic Species via MicroED. <i>ACS Central Science</i> , 2019, 5, 1507-1513.	11.3	39
22	Nonclassical Applications of <i>closo</i> -Carborane Anions: From Main Group Chemistry and Catalysis to Energy Storage. <i>Chemical Reviews</i> , 2019, 119, 8262-8290.	47.7	220
23	Vinyl Carbocations Generated under Basic Conditions and Their Intramolecular C-H Insertion Reactions. <i>Journal of the American Chemical Society</i> , 2019, 141, 9140-9144.	13.7	37
24	A Concise Total Synthesis of (±)-Vibralactone. <i>Angewandte Chemie</i> , 2019, 131, 1738-1740.	2.0	6
25	Intermolecular C-H Insertion of Aryl Cations. <i>Trends in Chemistry</i> , 2019, 1, 882-883.	8.5	0
26	A Concise Total Synthesis of (±)-Vibralactone. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1724-1726.	13.8	16
27	The CryoEM Method MicroED as a Powerful Tool for Small Molecule Structure Determination. <i>ACS Central Science</i> , 2018, 4, 1587-1592.	11.3	307
28	Teaching an old carbocation new tricks: Intermolecular C-H insertion reactions of vinyl cations. <i>Science</i> , 2018, 361, 381-387.	12.6	95
29	Enantioselective Heck-Matsuda Arylations through Chiral Anion Phase-Transfer of Aryl Diazonium Salts. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5806-5811.	13.8	54
30	Enantioselective Heck-Matsuda Arylations through Chiral Anion Phase-Transfer of Aryl Diazonium Salts. <i>Angewandte Chemie</i> , 2017, 129, 5900-5905.	2.0	13
31	Arylation of hydrocarbons enabled by organosilicon reagents and weakly coordinating anions. <i>Science</i> , 2017, 355, 1403-1407.	12.6	116
32	Enantioselective 1,1-Arylborylation of Alkenes: Merging Chiral Anion Phase Transfer with Pd Catalysis. <i>Journal of the American Chemical Society</i> , 2015, 137, 3213-3216.	13.7	146
33	Chiral Anion Phase Transfer of Aryldiazonium Cations: An Enantioselective Synthesis of C3-Diazinated Pyrroloindolines. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5600-5603.	13.8	104
34	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
35	Total Syntheses of (±)-Transtaganolide...A, (+)-Transtaganolide...B, (+)-Transtaganolide...C, and (±)-Transtaganolide...D and Biosynthetic Implications. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6699-6703.	13.8	35
36	Selective Nucleic Acid Capture with Shielded Covalent Probes. <i>Journal of the American Chemical Society</i> , 2013, 135, 9691-9699.	13.7	31

#	ARTICLE	IF	CITATIONS
37	A General Approach to the Basiliolide/Transtaganolide Natural Products: Total Syntheses of Basiliolide...B, <i>epi</i>â€”Basiliolide...B, Transtaganolide...C, and Transtaganolide...D. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 3688-3691.	3.8	33
38	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
39	Side Chain Chemistry Mediates Backbone Fragmentation in Hydrogen Deficient Peptide Radicals. <i>Journal of Proteome Research</i> , 2009, 8, 958-966.	3.7	137
40	Progress toward the Synthesis of the Basiliolides and Transtaganolides:â€” An Intramolecular Pyrone Dielsâ”Alder Entry into a Novel Class of Natural Products. <i>Organic Letters</i> , 2008, 10, 25-28.	4.6	35
41	Electrochemical Fluorination of Vinyl Boronates through Donorâ€”Stabilized Vinyl Carbocation Intermediates**. <i>Angewandte Chemie</i> , 0, , e202113972.	2.0	0