Reuben Hudson

List of Publications by Year
in descending order

33 papers	1,269 citations	706676 14 h-index	511568 30 g-index
44 all docs	44 docs citations	44 times ranked	2037 citing authors

#	Article	IF	Citations
1	Dry Ice as an Alternative Leavening Agent for Pancakes to Demonstrate Phase Transitions or Chemical Transformations. Journal of Chemical Education, 2022, 99, 1523-1526.	1.1	2
2	Incorporating Microbes into Laboratory-Grown Chimneys for Hydrothermal Microbiology Experiments. ACS Earth and Space Chemistry, 2022, 6, 953-961.	1.2	2
3	Safe and Sustainable Chemistry Activities: Fostering a Culture of Safety in Kâ€“12 and Community Outreach Programs. Journal of Chemical Education, 2021, 98, 71-77.	1.1	9
4	Evaluating Feedstocks, Processes, and Products in the Teaching Laboratory: A Framework for Students To Use Metrics to Design Greener Chemistry Experiments. Journal of Chemical Education, 2020, 97, 390-401.	1.1	15
5	CO ₂ reduction driven by a pH gradient. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 22873-22879.	3.3	84
6	Convergent Strategy for the Synthesis of Oxa-, Thia-, and Selena[5]helicenes by Acetylene-Activated S_NAr Reactions. Journal of Organic Chemistry, 2020, 85, 4553-4559.	1.7	15
7	Evaluation of carboxylic, phosphonic, and sulfonic acid protogenic moieties on tunable poly(<i>meta</i>â€phenylene oxide) ionomer scaffolds. Journal of Polymer Science Part A, 2019, 57, 2209-2213.	2.5	5
8	Cross-cultural chemistry. Nature Chemistry, 2019, 11, 196-198.	6.6	0
9	Poly(<i>meta</i>-phenylene oxides) for the design of a tunable, efficient, and reusable catalytic platform. Chemical Communications, 2018, 54, 2878-2881.	2.2	9
10	Toward the Selection of Sustainable Catalysts for Suzukiâ€“Miyaura Coupling: A Gate-to-Gate Analysis. ACS Sustainable Chemistry and Engineering, 2018, 6, 14880-14887.	3.2	8
11	CO₂ Dry Cleaning: A Benign Solvent Demonstration Accessible to Kâ€“8 Audiences. Journal of Chemical Education, 2017, 94, 480-482.	1.1	7
12	Oxacalixarenes. , 2016, , 399-420.		9
13	Jacinto Sa and Anna Srebowata (eds): Hydrogenation with low-cost transition metals. Transition Metal Chemistry, 2016, 41, 951-952.	0.7	0
14	Coupling the magnetic and heat dissipative properties of Fe₃O₄ particles to enable applications in catalysis, drug delivery, tissue destruction and remote biological interfacing. RSC Advances, 2016, 6, 4262-4270.	1.7	22
15	Exploring Green Chemistry Metrics with Interlocking Building Block Molecular Models. Journal of Chemical Education, 2016, 93, 691-694.	1.1	30
16	Reversing aggregation: direct synthesis of nanocatalysts from bulk metal. Cellulose nanocrystals as active support to access efficient hydrogenation silver nanocatalysts. Green Chemistry, 2016, 18, 129-133.	4.6	46
17	Similarities between Scientific and Dramatic Prose. Journal of Chemical Education, 2015, 92, 781-783.	1.1	0
18	Synthesis of indoles, benzofurans, and related heterocycles via an acetylene-activated S_NAr/intramolecular cyclization cascade sequence in water or DMSO. Organic and Biomolecular Chemistry, 2015, 13, 2273-2284.	1.5	36

#	Article	IF	Citations
19	Visualizing Nanocatalysts in Action from Color Change Reaction to Magnetic Recycling and Reuse. Journal of Chemical Education, 2015, 92, 1892-1895.	1.1	9
20	Sustainable Synthesis of Magnetic Ruthenium-Coated Iron Nanoparticles and Application in the Catalytic Transfer Hydrogenation of Ketones. ACS Sustainable Chemistry and Engineering, 2015, 3, 814-820.	3.2	46
21	From Lobster Shells to Plastic Objects: A Bioplastics Activity. Journal of Chemical Education, 2015, 92, 1882-1885.	1.1	33
22	Cyclopropanation of diazoesters with styrene derivatives catalyzed by magnetically recoverable copper-plated iron nanoparticles. Tetrahedron, 2014, 70, 6162-6168.	1.0	13
23	Cyclopropanation of diazoesters with styrene derivatives catalyzed by magnetically recoverable copper-plated iron nanoparticles. Tetrahedron, 2014, 70, 8952-8958.	1.0	7
24	Bare magnetic nanoparticles: sustainable synthesis and applications in catalytic organic transformations. Green Chemistry, 2014, 16, 4493-4505.	4.6	229
25	The Struggle with Voice in Scientific Writing. Journal of Chemical Education, 2013, 90, 1580-1580.	1.1	7
26	Highly efficient iron(0) nanoparticle-catalyzed hydrogenation in water in flow. Green Chemistry, 2013, 15, 2141.	4.6	96
27	Recording Tutorials To Increase Student Use and Incorporating Demonstrations To Engage Live Participants. Journal of Chemical Education, 2013, 90, 527-530.	1.1	9
28	Copper Ferrite (CuFe2O4) Nanoparticles. Synlett, 2013, 24, 1309-1310.	1.0	14
29	Magnetically Recoverable CuFe2O4 Nanoparticles as Highly Active Catalysts for Csp3-Csp and Csp3-Csp3 Oxidative Cross-Dehydrogenative Coupling. Synlett, 2013, 24, 1637-1642.	1.0	36
30	Ligand Modified CuFe2O4 Nanoparticles as Magnetically Recoverable and Reusable Catalyst for Azide-Alkyne Click Condensation. Heterocycles, 2012, 86, 1023.	0.4	16
31	Iron-iron oxide coreâ€“shell nanoparticles are active and magnetically recyclable olefin and alkyne hydrogenation catalysts in protic and aqueous media. Chemical Communications, 2012, 48, 3360.	2.2	91
32	Magnetic copperâ€“iron nanoparticles as simple heterogeneous catalysts for the azideâ€“alkyne click reaction in water. Green Chemistry, 2012, 14, 622.	4.6	186
33	Fe₃O₄ Nanoparticle-Supported Copper(I) Pybox Catalyst: Magnetically Recoverable Catalyst for Enantioselective Direct-Addition of Terminal Alkynes to Imines. Organic Letters, 2011, 13, 442-445.	2.4	171