Heather Buckley

List of Publications by Year
in descending order

24 papers	624 citations	759190 12 h-index	610883 24 g-index
27 all docs	27 docs citations	27 times ranked	763 citing authors

#	Article	IF	Citations
1	Catalytic Alkyne Hydrothiolation with Alkanethiols using Wilkinson's Catalyst. Organometallics, 2007, 26, 5778-5781.	2.3	101
2	Selective Platinum-Catalyzed Câ˜'F Bond Activation as a Route to Fluorinated Aryl Methyl Ethers. Organometallics, 2009, 28, 2356-2359.	2.3	62
3	Synthesis and Characterization of Thorium(IV) and Uranium(IV) Corrole Complexes. Journal of the American Chemical Society, 2013, 135, 13965-13971.	13.7	60
4	User-Friendly Precatalyst for the Methylation of Polyfluoroaryl Imines. Organometallics, 2009, 28, 6622-6624.	2.3	51
5	Lanthanide corroles: a new class of macrocyclic lanthanide complexes. Chemical Communications, 2013, 49, 3104.	4.1	50
6	Recent developments in out-of-plane metallocorrole chemistry across the periodic table. Dalton Transactions, 2015, 44, 30-36.	3.3	44
7	Synthesis of lithium corrole and its use as a reagent for the preparation of cyclopentadienyl zirconium and titanium corrole complexes. Chemical Communications, 2012, 48, 10766.	4.1	39
8	Trace Metal Content of Coal Exacerbates Air-Pollution-Related Health Risks: The Case of Lignite Coal in Kosovo. Environmental Science & Technology, 2018, 52, 2359-2367.	10.0	31
9	Synthesis, structure and reactivity of group 4 corrole complexes. Chemical Communications, 2014, 50, 2922.	4.1	27
10	Fitting It All In: Adapting a Green Chemistry Extraction Experiment for Inclusion in an Undergraduate Analytical Laboratory. Journal of Chemical Education, 2013, 90, 771-774.	2.3	21
11	Corroles That â€œClickâ€• Modular Synthesis of Azido- and Propargyl-Functionalized Metallocorrole Complexes and Convergent Synthesis of a Bis-corrole Scaffold. Inorganic Chemistry, 2014, 53, 7941-7950.	4.0	21
12	Design and Testing of Safer, More Effective Preservatives for Consumer Products. ACS Sustainable Chemistry and Engineering, 2017, 5, 4320-4331.	6.7	16
13	Synthesis and reactivity of tantalum corrole complexes. Dalton Transactions, 2017, 46, 780-785.	3.3	16
14	CdTe in thin film photovoltaic cells: Interventions to protect drinking water in production and end-of-life. Water-Energy Nexus, 2020, 3, 15-28.	4.0	13
15	Preparation and characterization of a tungsten(V) corrole dichloride complex. Journal of Porphyrins and Phthalocyanines, 2015, 19, 150-153.	0.8	12
16	Covalent functionalization of polypropylene filters with diazirineâ€“photosensitizer conjugates producing visible light driven virus inactivating materialsï»¿. Scientific Reports, 2021, 11, 19029.	3.3	12
17	Renewable Additives that Improve Water Resistance of Cellulose Composite Materials. Journal of Renewable Materials, 2017, 5, 1-13.	2.2	10
18	Addressing technical barriers for reliable, safe removal of fluoride from drinking water using minimally processed bauxite ores. Development Engineering, 2018, 3, 175-187.	1.8	9

#	Article	IF	Citations
19	Not Just an Academic Exercise: Systems Thinking Applied to Designing Safer Alternatives. Journal of Chemical Education, 2019, 96, 2984-2992.	2.3	7
20	The application of non-oxidizing biocides to prevent biofouling in reverse osmosis polyamide membrane systems: a review. Journal of Water Supply: Research and Technology - AQUA, 2022, 71, 261-292.	1.4	7
21	A simple method for detection of low concentrations of fluoride in drinking water. Sensors and Actuators A: Physical, 2020, 303, 111684.	4.1	6
22	The Best-Practice Organism for Single-Species Studies of Antimicrobial Efficacy against Biofilms Is Pseudomonas aeruginosa. Membranes, 2020, 10, 211.	3.0	3
23	Biofouling detection methods that are widely applicable and useful across disciplines: a mini-review. Biofouling, 2021, 37, 494-505.	2.2	3
24	Anti-biofouling efficacy of three home and personal care product preservatives: Pseudomonas aeruginosa biofilm inhibition and prevention. Biofouling, 2021, 37, 879-893.	2.2	3