Kylie L Luska

List of Publications by Year in Descending Order

26 papers	809 citations	16 h-index	28 g-index
31 ext. papers	907 ext. citations	7.5 avg, IF	4.37 L-index

#	Paper	IF	Citations
26	Selectivity control in hydrogenation through adaptive catalysis using ruthenium nanoparticles on a CO-responsive support. *Nature Chemistry*, **2021**, 13, 916-922	17.6	11
25	Rh NPs Immobilized on Phosphonium- based Supported Ionic Liquid Phases (Rh@SILPs) as Hydrogenation Catalysts. *Chimia*, **2021**, 75, 724-732	1.3	
24	Organometallic Synthesis of Bimetallic Cobalt-Rhodium Nanoparticles in Supported Ionic Liquid Phases (Co Rh @SILP) as Catalysts for the Selective Hydrogenation of Multifunctional Aromatic Substrates. *Small*, **2021**, 17, e2006683	11	5
23	Selective Hydrogenation of Benzofurans Using Ruthenium Nanoparticles in Lewis Acid-Modified Ruthenium-Supported Ionic Liquid Phases. *ACS Catalysis*, **2020**, 10, 2124-2130	13.1	27
22	Molecular Control of the Catalytic Properties of Rhodium Nanoparticles in Supported Ionic Liquid Phase (SILP) Systems. *ACS Catalysis*, **2020**, 10, 13904-13912	13.1	9
21	Catalytic Hydrogenolysis of Substituted Diaryl Ethers by Using Ruthenium Nanoparticles on an Acidic Supported Ionic Liquid Phase (Ru@SILP-SO3H). *Synlett*, **2019**, 30, 405-412	2.2	13
20	Bimetallic Nanoparticles in Supported Ionic Liquid Phases as Multifunctional Catalysts for the Selective Hydrodeoxygenation of Aromatic Substrates. *Angewandte Chemie*, **2018**, 130, 12903-12908	3.6	9
19	Bimetallic Nanoparticles in Supported Ionic Liquid Phases as Multifunctional Catalysts for the Selective Hydrodeoxygenation of Aromatic Substrates. *Angewandte Chemie - International Edition*, **2018**, 57, 12721-12726	16.4	49
18	Highly Selective Hydrogenation of R-(+)-Limonene to (+)-p-1-Menthene in Batch and Continuous Flow Reactors. *ACS Sustainable Chemistry and Engineering*, **2017**, 5, 3762-3767	8.3	16
17	Enhancing the Catalytic Properties of Ruthenium Nanoparticle-SILP Catalysts by Dilution with Iron. *ACS Catalysis*, **2016**, 6, 3719-3726	13.1	53
16	Nanoparticles on Supported Ionic Liquid Phases Opportunities for Application in Catalysis **2016**, 249-273		6
15	Bifunctional Ruthenium Nanoparticle-SILP Catalysts () for the Hydrodeoxygenation of Eucalyptol under Batch and Continuous Flow Conditions. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 6186-6192	8.3	20
14	Unexpected reactions of Grignard reagents with selected carboalkoxy substituted sulfinate esters. *Canadian Journal of Chemistry*, **2015**, 93, 37-43	0.9	2
13	Ionic liquid-stabilized nanoparticles as catalysts for the conversion of biomass. *Green Chemistry*, **2015**, 17, 3195-3206	10	109
12	Synergistic Interaction within Bifunctional Ruthenium Nanoparticle/SILP Catalysts for the Selective Hydrodeoxygenation of Phenols. *Angewandte Chemie - International Edition*, **2015**, 54, 15750-5	16.4	72
11	Synergistic Interaction within Bifunctional Ruthenium Nanoparticle/SILP Catalysts for the Selective Hydrodeoxygenation of Phenols. *Angewandte Chemie*, **2015**, 127, 15976-15981	3.6	17
10	Bifunctional nanoparticleSILP catalysts (NPs@SILP) for the selective deoxygenation of biomass substrates. *Chemical Science*, **2014**, 5, 4895-4905	9.4	51

9	Recording Tutorials To Increase Student Use and Incorporating Demonstrations To Engage Live Participants. *Journal of Chemical Education*, **2013**, 90, 527-530	2.4	9
8	Iron-iron oxide core-shell nanoparticles are active and magnetically recyclable olefin and alkyne hydrogenation catalysts in protic and aqueous media. *Chemical Communications*, **2012**, 48, 3360-2	5.8	86
7	Rhodium complexes stabilized by phosphine-functionalized phosphonium ionic liquids used as higher alkene hydroformylation catalysts: influence of the phosphonium headgroup on catalytic activity. *Dalton Transactions*, **2012**, 41, 13533-40	4.3	29
6	Ruthenium nanoparticle catalysts stabilized in phosphonium and imidazolium ionic liquids: dependence of catalyst stability and activity on the ionicity of the ionic liquid. *Green Chemistry*, **2012**, 14, 1736	10	50
5	Rational size control of gold nanoparticles employing an organometallic precursor [Au-C?C- t-Bu]4 and tunable thiolate-functionalized ionic liquids in organic medium. *Canadian Journal of Chemistry*, **2012**, 90, 145-152	0.9	4
4	Functionalized Ionic Liquids for the Synthesis of Metal Nanoparticles and their Application in Catalysis. *ChemCatChem*, **2012**, 4, 1534-1546	5.2	44
3	Rhodium nanoparticles stabilized with phosphine functionalized imidazolium ionic liquids as recyclable arene hydrogenation catalysts. *Catalysis Today*, **2012**, 183, 96-100	5.3	34
2	Improved Stability and Catalytic Activity of Palladium Nanoparticle Catalysts using Phosphine-Functionalized Imidazolium Ionic Liquids. *Advanced Synthesis and Catalysis*, **2011**, 353, 3167-3177	5.6	41
1	Catalytic deoxygenation of terminal-diols under acidic aqueous conditions by the ruthenium complexes [(ß-arene)Ru(X)(N?N)](OTf)n, X=H2O, H, ß-arene=p-Me-iPr-C6H4, C6Me6, N?N=bipy, phen, 6,6?-diamino-bipy, 2,9-diamino-phen, n=1, 2). *Journal of Molecular Catalysis A*, **2007**, 277, 233-251		43