

Jessica R Lamb

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Understanding the Insertion Pathways and Chain Walking Mechanisms of $\hat{\text{I}}_{\pm}$ -Diimine Nickel Catalysts for $\hat{\text{I}}_{\pm}$ -Olefin Polymerization: A ^{13}C NMR Spectroscopic Investigation. <i>Macromolecules</i> , 2017, 50, 7010-7027.	2.2	57
2	Molecular Design of Stable Sulfamide- and Sulfonamide-Based Electrolytes for Aprotic Li-O ₂ Batteries. <i>CheM</i> , 2019, 5, 2630-2641.	5.8	53
3	Regioselective Isomerization of 2,3-Disubstituted Epoxides to Ketones: An Alternative to the Wacker Oxidation of Internal Alkenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 15049-15054.	6.6	48
4	Meinwald-type rearrangement of monosubstituted epoxides to methyl ketones using an [Al porphyrin] ⁺ [Co(CO) ₄] ⁻ catalyst. <i>Organic Chemistry Frontiers</i> , 2015, 2, 346-349.	2.3	43
5	Visible-light-mediated, additive-free, and open-to-air controlled radical polymerization of acrylates and acrylamides. <i>Polymer Chemistry</i> , 2019, 10, 1585-1590.	1.9	42
6	Carbonylation of Ethylene Oxide to $\hat{\text{I}}^2$ -Propiolactone: A Facile Route to Poly(3-hydroxypropionate) and Acrylic Acid. <i>ACS Catalysis</i> , 2016, 6, 8219-8223.	5.5	40
7	Carbonylative enantioselective meso-desymmetrization of cis-epoxides to trans- $\hat{\text{I}}^2$ -lactones: effect of salen-ligand electronic variation on enantioselectivity. <i>Chemical Communications</i> , 2014, 50, 9842.	2.2	32
8	Regioselective Carbonylation of 2,2-Disubstituted Epoxides: An Alternative Route to Ketone-Based Aldol Products. <i>Journal of the American Chemical Society</i> , 2019, 141, 2474-2480.	6.6	32
9	Novel Synthesis of Stable Polypyrrole Nanospheres Using Ozone. <i>Langmuir</i> , 2011, 27, 13719-13728.	1.6	28
10	Nucleophilic ring opening of <i>trans</i> -2,3-disubstituted epoxides to $\hat{\text{I}}^2$ -amino alcohols with catalyst-controlled regioselectivity. <i>Chemical Communications</i> , 2018, 54, 12998-13001.	2.2	25
11	Endohedrally Functionalized Metal-Organic Cage-Cross-Linked Polymer Gels as Modular Heterogeneous Catalysts. <i>Journal of the American Chemical Society</i> , 2022, 144, 13276-13284.	6.6	24
12	Carbonylative, Catalytic Deoxygenation of 2,3-Disubstituted Epoxides with Inversion of Stereochemistry: An Alternative Alkene Isomerization Method. <i>Journal of the American Chemical Society</i> , 2020, 142, 8029-8035.	6.6	19
13	Organic Chemistry: A Retrosynthetic Approach to a Diverse Field. <i>ACS Central Science</i> , 2020, 6, 1845-1850.	5.3	18
14	Catalyst-Controlled Regioselective Carbonylation of Isobutylene Oxide to Pivalolactone. <i>ACS Catalysis</i> , 2020, 10, 12537-12543.	5.5	8
15	<i>N</i> -Heterocyclic carbene-carbodiimide (NHC-CDI) betaine adducts: synthesis, characterization, properties, and applications. <i>Chemical Science</i> , 2021, 12, 2699-2715.	3.7	8
16	Solvent-free direct cyclopalladation of sulfides on silica gel. <i>Inorganic Chemistry Communication</i> , 2012, 26, 64-65.	1.8	5
17	Transcyclopalladation on silica gel. <i>Polyhedron</i> , 2013, 53, 202-207.	1.0	5