

# Justin K Mobley

## List of Publications by Citations

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21  
papers

516  
citations

13  
h-index

21  
g-index

21  
ext. papers

682  
ext. citations

6.9  
avg, IF

3.84  
L-index

#	Paper	IF	Citations
21	An "ideal lignin" facilitates full biomass utilization. <i>Science Advances</i> , <b>2018</b> , 4, eaau2968	14.3	108
20	Selective cleavage of the C(β)-O linkage in lignin model compounds via Baeyer-Villiger oxidation. <i>Organic and Biomolecular Chemistry</i> , <b>2015</b> , 13, 3243-54	3.9	61
19	Gold-catalyzed conversion of lignin to low molecular weight aromatics. <i>Chemical Science</i> , <b>2018</b> , 9, 8127-8133	8.3	44
18	Mechanochemical Treatment Facilitates Two-Step Oxidative Depolymerization of Kraft Lignin. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 5990-5998	8.3	38
17	Extraction, characterization, purification and catalytic upgrading of algae lipids to fuel-like hydrocarbons. <i>Fuel</i> , <b>2016</b> , 180, 668-678	7.1	33
16	Understanding Laccase-Ionic Liquid Interactions toward Biocatalytic Lignin Conversion in Aqueous Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 15928-15938	8.3	30
15	The plant cuticle regulates apoplastic transport of salicylic acid during systemic acquired resistance. <i>Science Advances</i> , <b>2020</b> , 6, eaaz0478	14.3	28
14	Highly Decorated Lignins in Leaf Tissues of the Canary Island Date Palm. <i>Plant Physiology</i> , <b>2017</b> , 175, 1058-1067	6.6	27
13	Selective Oxidation of Lignin Model Compounds. <i>ChemSusChem</i> , <b>2018</b> , 11, 2045-2050	8.3	26
12	Characteristics of Hot Water Extracts from the Bark of Cultivated Willow ( <i>Salix</i> sp.). <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 5566-5573	8.3	23
11	A comparative study of secondary depolymerization methods on oxidized lignins. <i>Green Chemistry</i> , <b>2019</b> , 21, 3940-3947	10	23
10	Mechanistic Exploration of Dodecanethiol-Treated Colloidal CsPbBr <sub>3</sub> Nanocrystals with Photoluminescence Quantum Yields Reaching Near 100%. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 18103-18112	3.8	22
9	Oxidation of lignin and lignin EO-4 model compounds via activated dimethyl sulfoxide. <i>RSC Advances</i> , <b>2015</b> , 5, 105136-105148	3.7	19
8	Dual function organic active materials for nonaqueous redox flow batteries. <i>Materials Advances</i> , <b>2021</b> , 2, 1390-1401	3.3	12
7	Synthesis, Characterization, and Structure of Some New Substituted 5,6-Fused Ring Pyridazines. <i>Synthetic Communications</i> , <b>2011</b> , 41, 1357-1369	1.7	6
6	Oxidation of Benzylic Alcohols and Lignin Model Compounds with Layered Double Hydroxide Catalysts. <i>Inorganics</i> , <b>2018</b> , 6, 75	2.9	4
5	Bromide-Based Ionic Liquid Treatment of Hardwood Organosolv Lignin Yielded a More Reactive Biobased Polyol. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2020</b> , 59, 18740-18747	3.9	4

4	Dramatic Simplification of Lignin Heteronuclear Single Quantum Coherence Spectra from Ring-and-Puck Milling Followed by Oxidation. <i>Energy &amp; Fuels</i> , <b>2018</b> , 32, 11632-11638	4.1	4
3	Antimicrobial Properties of Corn Stover Lignin Fractions Derived from Catalytic Transfer Hydrogenolysis in Supercritical Ethanol with a Ru/C Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2020</b> , 8, 18455-18467	8.3	3
2	Conversion of Lignin to Value-added Chemicals via Oxidative Depolymerization <b>2020</b> , 357-393		1
1	Controlling bacterial contamination during fuel ethanol fermentation using thermochemically depolymerized lignin bio-oils. <i>Green Chemistry</i> , <b>2021</b> , 23, 6477-6489	10	0