

# Jack R Ferrell, Iii

## List of Publications by Year in descending order

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Version: 2024-02-01

12  
papers

662  
citations

1162367

8  
h-index

1199166

12  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1087  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrocatalytic CO <sub>2</sub> Reduction over Cu <sub>3</sub> P Nanoparticles Generated via a Molecular Precursor Route. ACS Applied Energy Materials, 2020, 3, 10435-10446.	2.5	16
2	Accelerated aging of fast pyrolysis bio-oil: a new method based on carbonyl titration. RSC Advances, 2020, 10, 10046-10054.	1.7	21
3	Development of quantitative <sup>13</sup> C NMR characterization and simulation of C, H, and O content for pyrolysis oils based on <sup>13</sup> C NMR analysis. RSC Advances, 2020, 10, 25918-25928.	1.7	4
4	Molecular weight distribution of raw and catalytic fast pyrolysis oils: comparison of analytical methodologies. RSC Advances, 2020, 10, 3789-3795.	1.7	7
5	Methods and Challenges in the Determination of Molecular Weight Metrics of Bio-oils. Energy & Fuels, 2018, 32, 8905-8920.	2.5	32
6	Determination of Carbonyl Functional Groups in Bio-oils by Potentiometric Titration: The Faix Method. Journal of Visualized Experiments, 2017, , .	0.2	2
7	Standardization of chemical analytical techniques for pyrolysis bio-oil: history, challenges, and current status of methods. Biofuels, Bioproducts and Biorefining, 2016, 10, 496-507.	1.9	39
8	In-depth investigation on quantitative characterization of pyrolysis oil by <sup>31</sup> P NMR. RSC Advances, 2016, 6, 17567-17573.	1.7	29
9	Recent advances in heterogeneous catalysts for bio-oil upgrading via <i>in situ</i> catalytic fast pyrolysis: catalyst development through the study of model compounds. Green Chemistry, 2014, 16, 454-490.	4.6	418
10	Metal Oxides and Heteropoly Acids as Anodic Electrocatalysts in Direct Proton Exchange Membrane Fuel Cells. ACS Symposium Series, 2010, , 153-177.	0.5	1
11	Chemical Clathrate Hybrid Hydrogen Storage: Storage in Both Guest and Host. Journal of the American Chemical Society, 2008, 130, 14975-14977.	6.6	62
12	Electrocatalyst materials for fuel cells based on the polyoxometalates K <sub>7</sub> or H <sub>7</sub> [(P <sub>2</sub> W <sub>17</sub> O <sub>61</sub> )Fe <sup>III</sup> (H <sub>2</sub> O)] and Na <sub>12</sub> or H <sub>12</sub> [(P <sub>2</sub> W <sub>15</sub> O <sub>56</sub> ) <sub>2</sub> Fe <sup>III</sup> <sub>4</sub> (H <sub>2</sub> O) <sub>2</sub> ]. Electrochimica Acta, 2007, 52, 2051-2061.	2.6	28