

# Masoud Talebi Amiri

## List of Publications by Year in descending order

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Version: 2024-02-01

13  
papers

1,600  
citations

932766

10  
h-index

1199166

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

2025  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cycloaddition of Biogas-Contained CO <sub>2</sub> into Epoxides via Ionic Polymer Catalysis: An Experimental and Process Simulation Study. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 17942-17948.	1.8	1
2	Catalyst Evolution Enhances Production of Xylitol from Acetal-Stabilized Xylose. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1709-1714.	3.2	10
3	Establishing lignin structure-upgradeability relationships using quantitative <sup>13</sup> C heteronuclear single quantum coherence nuclear magnetic resonance (HSQC-NMR) spectroscopy. <i>Chemical Science</i> , 2019, 10, 8135-8142.	3.7	50
4	Catalytic valorization of the acetate fraction of biomass to aromatics and its integration into the carboxylate platform. <i>Green Chemistry</i> , 2019, 21, 2801-2809.	4.6	12
5	Fractionation of lignocellulosic biomass to produce uncondensed aldehyde-stabilized lignin. <i>Nature Protocols</i> , 2019, 14, 921-954.	5.5	91
6	Protection Group Effects During <sup>13</sup> C-Diol Lignin Stabilization Promote High Selectivity Monomer Production. <i>Angewandte Chemie</i> , 2018, 130, 1370-1374.	1.6	49
7	Protection Group Effects During <sup>13</sup> C-Diol Lignin Stabilization Promote High Selectivity Monomer Production (Angew. Chem. 5/2018). <i>Angewandte Chemie</i> , 2018, 130, 1434-1434.	1.6	0
8	Protection Group Effects During <sup>13</sup> C-Diol Lignin Stabilization Promote High Selectivity Monomer Production. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1356-1360.	7.2	174
9	Carbohydrate stabilization extends the kinetic limits of chemical polysaccharide depolymerization. <i>Nature Chemistry</i> , 2018, 10, 1222-1228.	6.6	66
10	Iron oxide-mediated semiconductor photocatalysis vs. heterogeneous photo-Fenton treatment of viruses in wastewater. Impact of the oxide particle size.. <i>Journal of Hazardous Materials</i> , 2017, 339, 223-231.	6.5	111
11	The influence of interunit carbon-carbon linkages during lignin upgrading. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2016, 2, 59-63.	3.2	58
12	Formaldehyde stabilization facilitates lignin monomer production during biomass depolymerization. <i>Science</i> , 2016, 354, 329-333.	6.0	944
13	Progress in Reactors for High-Temperature Fischer-Tropsch Process: Determination Place of Intensifier Reactor Perspective. <i>International Journal of Chemical Reactor Engineering</i> , 2014, 12, 639-664.	0.6	34