

# Masoud Talebi Amiri

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9182794/publications.pdf>

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	Formaldehyde stabilization facilitates lignin monomer production during biomass depolymerization. <i>Science</i> , 2016, 354, 329-333.	6.0	944
2	Protection Group Effects During $\alpha,\beta$ -Diol Lignin Stabilization Promote High-Selectivity Monomer Production. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1356-1360.	7.2	174
3	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
4	Fractionation of lignocellulosic biomass to produce uncondensed aldehyde-stabilized lignin. <i>Nature Protocols</i> , 2019, 14, 921-954.	5.5	91
5	Carbohydrate stabilization extends the kinetic limits of chemical polysaccharide depolymerization. <i>Nature Chemistry</i> , 2018, 10, 1222-1228.	6.6	66
6	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
7	Establishing lignin structure-upgradeability relationships using quantitative $^{13}\text{C}$ heteronuclear single quantum coherence nuclear magnetic resonance (HSQC-NMR) spectroscopy. <i>Chemical Science</i> , 2019, 10, 8135-8142.	3.7	50
8	Protection Group Effects During $\alpha,\beta$ -Diol Lignin Stabilization Promote High-Selectivity Monomer Production. <i>Angewandte Chemie</i> , 2018, 130, 1370-1374.	1.6	49
9	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
10	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
11	Catalyst Evolution Enhances Production of Xylitol from Acetal-Stabilized Xylose. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 1709-1714.	3.2	10
12	Cycloaddition of Biogas-Contained $\text{CO}_2$ 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
13	Rücktitelbild: Protection Group Effects During $\alpha,\beta$ -Diol Lignin Stabilization Promote High-Selectivity Monomer Production ( <i>Angew. Chem.</i> 5/2018). <i>Angewandte Chemie</i> , 2018, 130, 1434-1434.	1.6	0