Maxim V Galkin

List of Publications by Year
in descending order

21 papers	1,809 citations	623734 14 h-index	642732 23 g-index
32 all docs	32 docs citations	32 times ranked	1627 citing authors

#	Article	IF	Citations
1	Lignin Valorization through Catalytic Lignocellulose Fractionation: A Fundamental Platform for the Future Biorefinery. ChemSusChem, 2016, 9, 1544-1558.	6.8	469
2	Selective Route to 2â€Propenyl Aryls Directly from Wood by a Tandem Organosolv and Palladiumâ€Catalysed Transfer Hydrogenolysis. ChemSusChem, 2014, 7, 2154-2158.	6.8	243
3	Stabilization strategies in biomass depolymerization using chemical functionalization. Nature Reviews Chemistry, 2020, 4, 311-330.	30.2	214
4	Lignin depolymerization to monophenolic compounds in a flow-through system. Green Chemistry, 2017, 19, 5767-5771.	9.0	164
5	Hydrogenâ€free catalytic fractionation of woody biomass. ChemSusChem, 2016, 9, 3280-3287.	6.8	149
6	Mild Heterogeneous Palladiumâ€Catalyzed Cleavage of Î²â€Oâ€4â€²â€Ether Linkages of Lignin Model Compounds and Native Lignin in Air. ChemCatChem, 2014, 6, 179-184.	3.7	141
7	Mild and Robust Redoxâ€Neutral Pd/Câ€Catalyzed Lignol Î²â€Oâ€4â€² Bond Cleavage Through a Lowâ€Energyâ€Barrier Pathway. ChemSusChem, 2015, 8, 2187-2192.	6.8	93
8	Selective Aerobic Benzylic Alcohol Oxidation of Lignin Model Compounds: Route to Aryl Ketones. ChemCatChem, 2015, 7, 401-404.	3.7	67
9	Ligninâ€First Fractionation of Softwood Lignocellulose Using a Mild Dimethyl Carbonate and Ethylene Glycol Organosolv Process. ChemSusChem, 2020, 13, 4468-4477.	6.8	66
10	Green Diesel from Kraft Lignin in Three Steps. ChemSusChem, 2016, 9, 1392-1396.	6.8	51
11	Diglycidylether of iso-eugenol: a suitable lignin-derived synthon for epoxy thermoset applications. RSC Advances, 2016, 6, 68732-68738.	3.6	39
12	Fully lignocellulose-based PET analogues for the circular economy. Nature Communications, 2022, 13, .	12.8	27
13	Pd/C-Catalyzed Hydrogenolysis of Dibenzodioxocin Lignin Model Compounds Using Silanes and Water as Hydrogen Source. ACS Sustainable Chemistry and Engineering, 2017, 5, 3726-3731.	6.7	17
14	From stabilization strategies to tailor-made lignin macromolecules and oligomers for materials. Current Opinion in Green and Sustainable Chemistry, 2021, 28, 100438.	5.9	16
15	A combination of experimental and computational methods to study the reactions during a Lignin-First approach. Pure and Applied Chemistry, 2020, 92, 631-639.	1.9	9
16	A well-defined diamine from lignin depolymerization mixtures for constructing bio-based polybenzoxazines. Chem Catalysis, 2021, 1, 1466-1466.	6.1	9
17	Detecting Important Intermediates in Pd Catalyzed Depolymerization of a Lignin Model Compound by a Combination of DFT Calculations and Constrained Minima Hopping. Journal of Physical Chemistry C, 2016, 120, 23469-23479.	3.1	8
18	Sustainable sources need reliable standards. Faraday Discussions, 2017, 202, 281-301.	3.2	8

#	Article	IF	Citations
19	Thermal lens spectrometry for the synthesis and study of nanocomposites on the basis of silver salts absorbed by a polyacrylate matrix. Moscow University Chemistry Bulletin, 2010, 65, 91-97.	0.6	7
20	1-(Trifluoromethyl)-3,4-dihydropyrrolo-[1,2-a] pyrazines: synthesis and reactions with O- and N-nucleophiles. Chemistry of Heterocyclic Compounds, 2011, 46, 1271-1278.	1.2	4
21	Unexpected tandem condensation of 2-furonitriles with diethylenetriamine. Chemistry of Heterocyclic Compounds, 2010, 46, 351-353.	1.2	1