

Maxim V Galkin

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

1,809
citations

623734

14
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642732

23
g-index

32
all docs

32
docs citations

32
times ranked

1627
citing authors

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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Unexpected tandem condensation of 2-furonitriles with diethylenetriamine. Chemistry of Heterocyclic Compounds, 2010, 46, 351-353.	1.2	1