Franck Rataboul

List of Publications by Year
in descending order

26	1,152	759055 12	552653 26
papers	citations	h-index	g-index

26	26	26	1382
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study of the oxidative esterification of furfural catalyzed by Au25(glutathione)18 nanocluster deposited on zirconia. Molecular Catalysis, 2021, 499, 111265.	1.0	5
2	Selective Aerobic Oxidation of Benzyl Alcohols with Palladium(0) Nanoparticles Suspension in Water. Catalysis Letters, 2021, 151, 3239-3249.	1.4	6
3	From the grafting of NHC-based Pd(II) complexes onto TiO2 to the in situ generation of Mott-Schottky heterojunctions: The boosting effect in the Suzuki-Miyaura reaction. Do the evolved Pd NPs act as reservoirs?. Journal of Catalysis, 2021, 398, 133-147.	3.1	8
4	Reductive or oxidative catalytic lignin depolymerization: An overview of recent advances. Catalysis Today, 2021, 373, 24-37.	2.2	47
5	Investigating (Pseudo)-Heterogeneous Pd-Catalysts for Kraft Lignin Depolymerization under Mild Aqueous Basic Conditions. Catalysts, 2021, 11, 1311.	1.6	6
6	A Landscape of Lignocellulosic Biopolymer Transformations into Valuable Molecules by Heterogeneous Catalysis in Câ€™Durable Team at IRCELYON. Molecules, 2021, 26, 6796.	1.7	1
7	First study on telomerization of chitosan and guar hemicellulose with butadiene: Influence of reaction parameters on the substitution degree of the biopolymers. Molecular Catalysis, 2020, 483, 110706.	1.0	4
8	Insights into the Suzukiâ€Miyaura Reaction Catalyzed by Novel Pdâˆ’Carbene Complexes. Are Palladiumâˆ’Tetraâ€•carbene Entities the Key Active Species?. ChemCatChem, 2020, 12, 5797-5808.	1.8	6
9	Kinetic Study of the Herrmannâ€“Beller Palladacycle-Catalyzed Suzukiâ€“Miyaura Coupling of 4-Iodoacetophenone and Phenylboronic Acid. Catalysts, 2020, 10, 989.	1.6	3
10	Thermal control of the defunctionalization of supported Au25(glutathione)18 catalysts for benzyl alcohol oxidation. Beilstein Journal of Nanotechnology, 2019, 10, 228-237.	1.5	5
11	First Example of the Use of Biosourced Alkyl Levulinates as Solvents for Synthetic Chemistry: Application to the Heterogeneously Catalyzed Heck Coupling. ChemistrySelect, 2019, 4, 3329-3333.	0.7	8
12	New Insights into the Reactivity of Biomass with Butenes for the Synthesis of Butyl Levulinates. ChemSusChem, 2017, 10, 2612-2617.	3.6	10
13	Noncatalyzed Liquefaction of Celluloses in Hydrothermal Conditions: Influence of Reactant Physicochemical Characteristics and Modeling Studies. Industrial & Engineering Chemistry Research, 2017, 56, 126-134.	1.8	9
14	Synthesis of terpene derivatives of ethanolamine using telomerization reaction. Tetrahedron Letters, 2016, 57, 452-457.	0.7	2
15	Influence of butanol isomers on the reactivity of cellulose towards the synthesis of butyl levulinates catalyzed by liquid and solid acid catalysts. New Journal of Chemistry, 2016, 40, 3747-3754.	1.4	19
16	Synthesis and Applications of Alkyl Levulinates. ACS Sustainable Chemistry and Engineering, 2014, 2, 1338-1352.	3.2	360
17	Cellulose Conversion with Tungstatedâ€Aluminaâ€Based Catalysts: Influence of the Presence of Platinum and Mechanistic Studies. ChemSusChem, 2013, 6, 500-507.	3.6	30
18	Influence of Liquid or Solid Phase Preparation of Cationic Hemicelluloses on Physical Properties of Paper. BioResources, 2013, 8, .	0.5	6

#	Article	IF	Citations
19	Cellulose Reactivity in Supercritical Methanol in the Presence of Solid Acid Catalysts: Direct Synthesis of Methyl-levulinate. Industrial & Engineering Chemistry Research, 2011, 50, 799-805.	1.8	77
20	Cellulose hydrothermal conversion promoted by heterogeneous BrÃ¸nsted and Lewis acids: Remarkable efficiency of solid Lewis acids to produce lactic acid. Applied Catalysis B: Environmental, 2011, 105, 171-181.	10.8	229
21	Cationisation of galactomannan and xylan hemicelluloses. Carbohydrate Polymers, 2011, 85, 138-148.	5.1	53
22	Cellulose reactivity and glycosidic bond cleavage in aqueous phase by catalytic and non catalytic transformations. Applied Catalysis A: General, 2011, 402, 1-10.	2.2	82
23	Palladium-Catalyzed Telomerization of Butadiene with Polyols: From Mono to Polysaccharides. Topics in Current Chemistry, 2010, 295, 93-119.	4.0	21
24	Telomerization of butadiene with starch in water: role of the surfactants. Green Chemistry, 2010, 12, 475.	4.6	21
25	Telomerization of Butadiene with Starch under Mild Conditions. ChemSusChem, 2009, 2, 1125-1129.	3.6	28
26	Non-catalyzed and Pt/Î³-Al2O3-catalyzed hydrothermal cellulose dissolutionâ€“conversion: influence of the reaction parameters and analysis of the unreacted cellulose. Green Chemistry, 2009, 11, 2052.	4.6	106