Pascal Fongarland

List of Publications by Year
in descending order

76 papers	4,784 citations	201674 27 h-index	95266 68 g-index
79 all docs	79 docs citations	79 times ranked	5293 citing authors

#	ARTICLE	IF	CITATIONS
1	Oxidative depolymerization of lignins for producing aromatics: variation of botanical origin and extraction methods. Biomass Conversion and Biorefinery, 2022, 12, 3795-3808.	4.6	29
2	Autocatalyzed and heterogeneously catalyzed esterification kinetics of glycolic acid with ethanol. Reaction Chemistry and Engineering, 2022, 7, 460-474.	3.7	1
3	Bacterial Competition for the Anode Colonization under Different External Resistances in Microbial Fuel Cells. Catalysts, 2022, 12, 176.	3.5	12
4	Evaluation of the Heat Produced by the Hydrothermal Liquefaction of Wet Food Processing Residues and Model Compounds. ChemEngineering, 2022, 6, 2.	2.4	4
5	Development and Validation of a Detailed Microkinetic Model for the CO₂ Hydrogenation Reaction toward Hydrocarbons over an Feâ€“K/Al₂O₃ Catalyst. Industrial & Engineering Chemistry Research, 2022, 61, 4514-4533.	3.7	4
6	Production of Phenolic Compounds from Catalytic Oxidation of Kraft Black Liquor in a Continuous Reactor. Industrial & Engineering Chemistry Research, 2022, 61, 7430-7437.	3.7	6
7	Transient Isotopic Studies and Microkinetic Modeling of CO Methanation over Nickel Catalysts. Industrial & Engineering Chemistry Research, 2021, 60, 6698-6705.	3.7	6
8	Supported-Metal Catalysts in Upgrading Lignin to Aromatics by Oxidative Depolymerization. Catalysts, 2021, 11, 467.	3.5	24
9	Catalytic Liquefaction of Kraft Lignin with Solvothermal Approach. Catalysts, 2021, 11, 875.	3.5	10
10	Investigating (Pseudo)-Heterogeneous Pd-Catalysts for Kraft Lignin Depolymerization under Mild Aqueous Basic Conditions. Catalysts, 2021, 11, 1311.	3.5	6
11	Catalytic and Kinetic Study of the CO₂ Hydrogenation Reaction over a Feâ€“K/Al₂O₃ Catalyst toward Liquid and Gaseous Hydrocarbon Production. Industrial & Engineering Chemistry Research, 2021, 60, 16635-16652.	3.7	13
12	Unexpected reactivity related to support effects during xylose hydrogenation over ruthenium catalysts. RSC Advances, 2021, 11, 39387-39398.	3.6	6
13	Hybrid catalysis: Study of a model reaction for one-pot reactor combining an enzyme and a heterogeneous catalyst. Catalysis Today, 2020, 346, 93-97.	4.4	2
14	Comparative study of solvolysis of technical lignins in flow reactor. Biomass Conversion and Biorefinery, 2020, 10, 351-366.	4.6	16
15	Experimental and CFD study of a new one-pot reactor for hybrid catalysis. Chemical Engineering Journal, 2020, 383, 122958.	12.7	6
16	An efficient bioâ€inspired catalytic tool for hydrogen release at room temperature from a stable borohydride solution. International Journal of Energy Research, 2020, 44, 10612-10627.	4.5	5
17	Power-to-Liquid catalytic CO2 valorization into fuels and chemicals: focus on the Fischer-Tropsch route. Journal of CO2 Utilization, 2020, 38, 314-347.	6.8	106
18	Direct Synthesis of Nitriles from Carboxylic Acids Using Indium-Catalyzed Transnitrilation: Mechanistic and Kinetic Study. ACS Catalysis, 2019, 9, 9705-9714.	11.2	10

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19	ZrW catalyzed cellulose conversion in hydrothermal conditions: Influence of the calcination temperature and insights on the nature of the active phase. Molecular Catalysis, 2019, 476, 110518.	2.0	7
20	Continuous flow aerobic alcohol oxidation using a heterogeneous Ru⁰ catalyst. Reaction Chemistry and Engineering, 2019, 4, 550-558.	3.7	10
21	Platelet Millireactor Filled with Open Cell Foam-Supported Pt Nanoparticles for a Three-Phase Catalytic System. Industrial & Engineering Chemistry Research, 2019, 58, 9352-9361.	3.7	6
22	Glycerol to Glyceraldehyde Oxidation Reaction Over Pt-Based Catalysts Under Base-Free Conditions. Frontiers in Chemistry, 2019, 7, 156.	3.6	24
23	Online monitoring by infrared spectroscopy using multivariate analysis â€“ background theory and application to catalytic dehydrogenative coupling of butanol to butyl butyrate. Reaction Chemistry and Engineering, 2019, 4, 909-918.	3.7	6
24	Reinvestigation of the Organocatalyzed Aerobic Oxidation of Aldehydes to Acids. Organic Letters, 2019, 21, 10134-10138.	4.6	38
25	Improved Reactor Productivity for the Safe Photoâ€Oxidation of Citronellol Under Visible Light LED Irradiation. ChemPhotoChem, 2019, 3, 122-128.	3.0	16
26	Simple and selective conversion of fructose into HMF using extractive-reaction process in microreactor. Journal of Flow Chemistry, 2018, 8, 3-9.	1.9	28
27	Continuous flow oxidation of benzylic and aliphatic alcohols using bleach: process improvement by precise pH adjustment in flow with CO2. Reaction Chemistry and Engineering, 2018, 3, 188-194.	3.7	10
28	Effect of hydration on the surface basicity and catalytic activity of Mg-rare earth mixed oxides for aldol condensation. Journal of Rare Earths, 2018, 36, 359-366.	4.8	5
29	Esterification of aqueous lactic acid solutions with ethanol using carbon solid acid catalysts: Amberlyst 15, sulfonated pyrolyzed wood and graphene oxide. Applied Catalysis A: General, 2018, 552, 184-191.	4.3	37
30	Controlled pinewood fractionation with supercritical ethanol: A prerequisite toward pinewood conversion into chemicals and biofuels. Comptes Rendus Chimie, 2018, 21, 555-562.	0.5	6
31	Hydrolysis of Cellobiose and Xylan over TiO₂-Based Catalysts. ACS Sustainable Chemistry and Engineering, 2018, 6, 5555-5565.	6.7	15
32	Kinetic of ZrW catalyzed cellulose hydrothermal conversion: Deeper understanding of reaction pathway via analytic tools improvement. Molecular Catalysis, 2018, 458, 171-179.	2.0	7
33	GECat 2015. Comptes Rendus Chimie, 2017, 20, 5-6.	0.5	1
34	Hydrophilic zeolite sorbents for Inâ€situ water removal in high temperature processes. Canadian Journal of Chemical Engineering, 2017, 95, 1842-1849.	1.7	27
35	The Pivotal Role of Catalysis in France: Selected Examples of Recent Advances and Future Prospects.. ChemCatChem, 2017, 9, 2029-2064.	3.7	2
36	Kinetic modelling of the glycerol oxidation in the liquid phase: comparison of Pt, Au and Ag <scp>AS</scp> active phases. Journal of Chemical Technology and Biotechnology, 2017, 92, 2267-2275.	3.2	9

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37	Direct Solid Lewis Acid Catalyzed Wood Liquefaction into Lactic Acid: Kinetic Evidences that Wood Pretreatment Might Not be a Prerequisite. ChemCatChem, 2017, 9, 2377-2382.	3.7	17
38	Measurement of the Influence of the Microstructure of Aluminaâ€Supported Cobalt Catalysts on their Activity and Selectivity in Fischerâ€"Tropsch Synthesis by using Steadyâ€State and Transient Kinetics. ChemCatChem, 2017, 9, 2344-2351.	3.7	8
39	Noncatalyzed Liquefaction of Celluloses in Hydrothermal Conditions: Influence of Reactant Physicochemical Characteristics and Modeling Studies. Industrial & Engineering Chemistry Research, 2017, 56, 126-134.	3.7	9
40	Development of a water-selective zeolite composite membrane by a new pore-plugging technique. Microporous and Mesoporous Materials, 2017, 237, 49-59.	4.4	14
41	Epoxidation of methyl oleate with molecular oxygen: Implementation of Mukaiyama reaction in flow. European Journal of Lipid Science and Technology, 2017, 119, 1600281.	1.5	21
42	Glycerol Oxidation in the Liquid Phase over a Gold-Supported Catalyst: Kinetic Analysis and Modelling. ChemEngineering, 2017, 1, 7.	2.4	9
43	Metal-free, visible light-promoted aerobic aldehydes oxidation. Journal of Flow Chemistry, 2016, 6, 206-210.	1.9	12
44	Kinetic modeling of the quasiâ€homogeneous oxidation of glycerol over unsupported gold particles in the liquid phase. European Journal of Lipid Science and Technology, 2016, 118, 72-79.	1.5	14
45	Acceptorless dehydrogenative coupling of alcohols catalysed by ruthenium PNP complexes: Influence of catalyst structure and of hydrogen mass transfer. Journal of Catalysis, 2016, 340, 331-343.	6.2	46
46	Kinetic modeling of transient Fischerâ€"Tropsch experiments over Co/Al 2 O 3 catalysts with different microstructures. Catalysis Today, 2016, 275, 20-26.	4.4	15
47	FTIR as a simple tool to quantify unconverted lignin from chars in biomass liquefaction process: Application to SC ethanol liquefaction of pine wood. Fuel Processing Technology, 2015, 134, 378-386.	7.2	67
48	Direct Evidence of Surface Oxidation of Cobalt Nanoparticles in Alumina-Supported Catalysts for Fischerâ€"Tropsch Synthesis. ACS Catalysis, 2014, 4, 4510-4515.	11.2	62
49	Reconstructed La-, Y-, Ce-modified MgAl-hydrotalcite as a solid base catalyst for aldol condensation: Investigation of water tolerance. Journal of Catalysis, 2014, 318, 108-118.	6.2	67
50	Effect of Different Reaction Conditions on the Deactivation of Alumina-Supported Cobalt Fischerâ€"Tropsch Catalysts in a Milli-Fixed-Bed Reactor: Experiments and Modeling. Industrial & Engineering Chemistry Research, 2014, 53, 6913-6922.	3.7	42
51	Deactivation of a Co/Al2O3 Fischerâ€"Tropsch catalyst by water-induced sintering in slurry reactor: Modeling and experimental investigations. Catalysis Today, 2013, 215, 52-59.	4.4	49
52	Al-modified mesoporous silica for efficient conversion of methanol to dimethyl ether. RSC Advances, 2013, 3, 5895.	3.6	8
53	Modeling of fixed bed methanation reactor for syngas production: Operating window and performance characteristics. Fuel, 2013, 107, 254-260.	6.4	34
54	Mechanistic Modeling of Cobalt Based Catalyst Sintering in a Fixed Bed Reactor under Different Conditions of Fischerâ€"Tropsch Synthesis. Industrial & Engineering Chemistry Research, 2012, 51, 11955-11964.	3.7	69

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55	Corrosion Behavior of Carbon Steel in Alkanolamine/Room-Temperature Ionic Liquid Based CO₂ Capture Systems. Industrial & Engineering Chemistry Research, 2012, 51, 8711-8718.	3.7	61
56	Integrated aqueous-phase glycerol reforming to dimethyl ether synthesisâ€"A novel allothermal dual bed membrane reactor concept. Chemical Engineering Journal, 2012, 187, 311-327.	12.7	19
57	Selective catalytic oxidation of glycerol: perspectives for high value chemicals. Green Chemistry, 2011, 13, 1960.	9.0	468
58	Structure and catalytic performance of Pt-promoted alumina-supported cobalt catalysts under realistic conditions of Fischerâ€“Tropsch synthesis. Journal of Catalysis, 2011, 277, 14-26.	6.2	211
59	Identification of the active species in the working alumina-supported cobalt catalyst under various conditions of Fischerâ€“Tropsch synthesis. Catalysis Today, 2011, 164, 62-67.	4.4	87
60	Fischerâ€“Tropsch synthesis in milli-fixed bed reactor: Comparison with centimetric fixed bed and slurry stirred tank reactors. Catalysis Today, 2011, 171, 201-206.	4.4	53
61	SynthÃ¨se directe du 1,1-dimÃ©thoxymÃ©thane Ã partir de mÃ©thanol moyennant une modification mineure du procÃ©dÃ© de production de formaldÃ©hyde sur catalyseurs FeMo. Oil and Gas Science and Technology, 2010, 65, 751-762.	1.4	12
62	Dimethyl Ether Synthesis with in situ H₂O Removal in Fixed-Bed Membrane Reactor: Model and Simulations. Industrial & Engineering Chemistry Research, 2010, 49, 6870-6877.	3.7	80
63	In situXRD investigation of the evolution of alumina-supported cobaltcatalysts under realistic conditions of Fischer-Tropsch synthesis. Chemical Communications, 2010, 46, 788-790.	4.1	110
64	Direct conversion of methanol into 1,1-dimethoxymethane: remarkably high productivity over an FeMo catalyst placed under unusual conditions. Green Chemistry, 2010, 12, 1722.	9.0	37
65	Intergranular and intragranular cobalt repartitions in alumina supported Fischerâ€“Tropsch catalysts promoted with platinum. Comptes Rendus Chimie, 2009, 12, 668-676.	0.5	5
66	Cobalt species in promoted cobalt alumina-supported Fischerâ€“Tropsch catalysts. Journal of Catalysis, 2007, 252, 215-230.	6.2	262
67	Advances in the Development of Novel Cobalt Fischerâ^'Tropsch Catalysts for Synthesis of Long-Chain Hydrocarbons and Clean Fuels. Chemical Reviews, 2007, 107, 1692-1744.	47.7	2,045
68	Kinetic study and modeling of Fischerâ€“Tropsch reaction over aCo/Al2O3catalyst in a slurry reactor. Chemical Engineering Science, 2007, 62, 5353-5356.	3.8	23
69	CFD simulations of two stirred tank reactors with stationary catalytic basket. Chemical Engineering Science, 2006, 61, 1217-1236.	3.8	16
70	Influence of syngas composition on the transient behavior of a Fischerâ€“Tropsch continuous slurry reactor. Catalysis Today, 2005, 106, 137-142.	4.4	31
71	Gasâ€“liquid and liquidâ€“solid mass transfers in two types of stationary catalytic basket laboratory reactor. Chemical Engineering Science, 2005, 60, 6240-6253.	3.8	20
72	Measurement of overall solids mass flux in a gasâ€“solid Circulating Fluidized Bed. Powder Technology, 2004, 148, 158-171.	4.2	31

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73	Choice of laboratory scale reactors for HDT kinetic studies or catalyst tests. Catalysis Today, 2004, 98, 31-42.	4.4	22
74	Gas/Liquid Mass Transfer in Small Laboratory Batch Reactors:Â Comparison of Methods. Industrial & Engineering Chemistry Research, 2004, 43, 924-927.	3.7	43
75	Hydrogen solubility in straight run gasoil. Chemical Engineering Science, 2002, 57, 547-553.	3.8	53
76	Reactive Distillation of Glycolic Acid Using Heterogeneous Catalysts: Experimental Studies and Process Simulation. Frontiers in Chemistry, 0, 10, .	3.6	1