

# RÃ©gis Philippe

## List of Publications by Year in descending order

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45  
papers

1,389  
citations

361296

20  
h-index

330025

37  
g-index

46  
all docs

46  
docs citations

46  
times ranked

1570  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bimetallic catalysis on carbon nanotubes for the selective hydrogenation of cinnamaldehyde. <i>Journal of Catalysis</i> , 2006, 240, 18-22.	3.1	172
2	Power-to-Liquid catalytic CO <sub>2</sub> valorization into fuels and chemicals: focus on the Fischer-Tropsch route. <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 38, 314-347.	3.3	106
3	A Safe and Efficient Flow Oxidation of Aldehydes with O <sub>2</sub> . <i>Organic Letters</i> , 2013, 15, 5978-5981.	2.4	80
4	Effect of structure and thermal properties of a Fischer-Tropsch catalyst in a fixed bed. <i>Catalysis Today</i> , 2009, 147, S305-S312.	2.2	79
5	Catalytic Production of Carbon Nanotubes by Fluidized-Bed CVD. <i>Chemical Vapor Deposition</i> , 2007, 13, 447-457.	1.4	76
6	Milli-channel with metal foams under an applied gas-liquid periodic flow: External mass transfer performance and pressure drop. <i>Chemical Engineering Journal</i> , 2015, 267, 332-346.	6.6	62
7	An original growth mode of MWCNTs on alumina supported iron catalysts. <i>Journal of Catalysis</i> , 2009, 263, 345-358.	3.1	55
8	Insights in the aerobic oxidation of aldehydes. <i>RSC Advances</i> , 2013, 3, 18931.	1.7	51
9	Gas-liquid Taylor flow in square micro-channels: New inlet geometries and interfacial area tuning. <i>Chemical Engineering Journal</i> , 2010, 165, 290-300.	6.6	47
10	Gas-liquid-solid slurry Taylor flow: Experimental evaluation through the catalytic hydrogenation of 3-methyl-1-pentyn-3-ol. <i>Chemical Engineering Journal</i> , 2013, 227, 174-181.	6.6	45
11	Origin of the synergistic effect between TiO <sub>2</sub> crystalline phases in the Ni/TiO <sub>2</sub> -catalyzed CO <sub>2</sub> methanation reaction. <i>Journal of Catalysis</i> , 2021, 398, 14-28.	3.1	43
12	Liquid-Solid Mass Transfer for Microchannel Suspension Catalysis in Gas-Liquid and Liquid-Liquid Segmented Flow. <i>Industrial &amp; Engineering Chemistry Research</i> , 2015, 54, 4699-4708.	1.8	42
13	Kinetic study of carbon nanotubes synthesis by fluidized bed chemical vapor deposition. <i>AIChE Journal</i> , 2009, 55, 450-464.	1.8	41
14	Milli-channel with metal foams under an applied gas-liquid periodic flow: Flow patterns, residence time distribution and pulsing properties. <i>Chemical Engineering Science</i> , 2015, 126, 406-426.	1.9	41
15	Mass transfer characterisation of a microstructured falling film at pilot scale. <i>Chemical Engineering Journal</i> , 2013, 227, 182-190.	6.6	35
16	Continuous, Fast, and Safe Aerobic Oxidation of 2-Ethylhexanal: Pushing the Limits of the Simple Tube Reactor for a Gas/Liquid Reaction. <i>Organic Process Research and Development</i> , 2016, 20, 90-94.	1.3	31
17	Control of the single atom/nanoparticle ratio in Pd/C catalysts to optimize the cooperative hydrogenation of alkenes. <i>Catalysis Science and Technology</i> , 2021, 11, 984-999.	2.1	30
18	Effect of mesoporous carbon support nature and pretreatments on palladium loading, dispersion and apparent catalytic activity in hydrogenation of myrcene. <i>Journal of Catalysis</i> , 2019, 372, 226-244.	3.1	29

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19	Simple and selective conversion of fructose into HMF using extractive-reaction process in microreactor. <i>Journal of Flow Chemistry</i> , 2018, 8, 3-9.	1.2	28
20	A simple and realistic fixed bed model for investigating Fischerâ€”Tropsch catalyst activity at lab-scale and extrapolating to industrial conditions. <i>Chemical Engineering Science</i> , 2011, 66, 6358-6366.	1.9	23
21	Liquid residence time distribution of multiphase horizontal flow in packed bed milli-channel: Spherical beads versus open cell solid foams. <i>Chemical Engineering Science</i> , 2018, 190, 149-163.	1.9	22
22	Hydrodynamics and mass transfer in a tubular reactor containing foam packings for intensification of G-L-S catalytic reactions in co-current up-flow configuration. <i>Chemical Engineering Research and Design</i> , 2016, 109, 686-697.	2.7	20
23	External liquid solid mass transfer for solid particles transported in a milli-channel within a gasâ€”liquid segmented flow. <i>Chemical Engineering Journal</i> , 2016, 287, 92-102.	6.6	20
24	Aerobic Oxidative Cleavage of Vicinal Diol Fatty Esters by a Supported Ruthenium Hydroxide Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 13167-13175.	3.2	18
25	Direct coating of carbon-supported catalysts on monoliths and foams â€” Singular behaviour of Pd/MWCNT. <i>Applied Catalysis A: General</i> , 2015, 508, 45-51.	2.2	17
26	Use of CFD for pressure drop, liquid saturation and wetting predictions in trickle bed reactors for different catalyst particle shapes. <i>Chemical Engineering Science</i> , 2022, 249, 117315.	1.9	17
27	Kinetic modeling study of carbon nanotubes synthesis by fluidized bed chemical vapor deposition. <i>AIChE Journal</i> , 2009, 55, 465-474.	1.8	15
28	Process intensification of the catalytic hydrogenation of squalene using a Pd/CNT catalyst combining nanoparticles and single atoms in a continuous flow reactor. <i>Chemical Engineering Journal</i> , 2022, 441, 135951.	6.6	15
29	On the stability of Taylor bubbles inside a confined highly porous medium. <i>International Journal of Multiphase Flow</i> , 2016, 85, 157-163.	1.6	13
30	CFD modeling of mass transfer in Gas-Liquid-Solid catalytic reactors. <i>Chemical Engineering Science</i> , 2021, 233, 116378.	1.9	13
31	Catalytic and Kinetic Study of the CO <sub>2</sub> Hydrogenation Reaction over a Fe <sup>K</sup> /Al <sub>2</sub> O <sub>3</sub> Catalyst toward Liquid and Gaseous Hydrocarbon Production. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 16635-16652.	1.8	13
32	Radial Dispersion in Liquid Upflow through Solid SiC Foams. <i>Industrial &amp; Engineering Chemistry Research</i> , 2011, 50, 4329-4334.	1.8	11
33	Continuous flow oxidation of benzylic and aliphatic alcohols using bleach: process improvement by precise pH adjustment in flow with CO <sub>2</sub> . <i>Reaction Chemistry and Engineering</i> , 2018, 3, 188-194.	1.9	10
34	Direct Synthesis of Nitriles from Carboxylic Acids Using Indium-Catalyzed Transnitration: Mechanistic and Kinetic Study. <i>ACS Catalysis</i> , 2019, 9, 9705-9714.	5.5	10
35	Continuous flow aerobic alcohol oxidation using a heterogeneous Ru <sup>O</sup> catalyst. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 550-558.	1.9	10
36	Unexpected role of NO <sub>x</sub> during catalytic ozone abatement at low temperature. <i>Catalysis Communications</i> , 2021, 148, 106163.	1.6	8

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37	Hydrodynamics of gas-liquid co-current flow through a thin sheet of highly porous open cell solid foam. <i>Chemical Engineering Science</i> , 2020, 226, 115811.	1.9	7
38	A phenomenological model for bubble coalescence in confined highly porous media. <i>International Journal of Multiphase Flow</i> , 2018, 105, 134-141.	1.6	6
39	Online monitoring by infrared spectroscopy using multivariate analysis â€” background theory and application to catalytic dehydrogenative coupling of butanol to butyl butyrate. <i>Reaction Chemistry and Engineering</i> , 2019, 4, 909-918.	1.9	6
40	Investigating (Pseudo)-Heterogeneous Pd-Catalysts for Kraft Lignin Depolymerization under Mild Aqueous Basic Conditions. <i>Catalysts</i> , 2021, 11, 1311.	1.6	6
41	Unexpected reactivity related to support effects during xylose hydrogenation over ruthenium catalysts. <i>RSC Advances</i> , 2021, 11, 39387-39398.	1.7	6
42	Development and Validation of a Detailed Microkinetic Model for the CO <sub>2</sub> Hydrogenation Reaction toward Hydrocarbons over an Fe <sup>K</sup> /Al <sub>2</sub> O <sub>3</sub> Catalyst. <i>Industrial &amp; Engineering Chemistry Research</i> , 2022, 61, 4514-4533.	1.8	4
43	Multiphase alternated slug flows: Conditions to avoid coalescence and characterization of mass transfer between droplets. <i>Chemical Engineering Journal</i> , 2021, 407, 127215.	6.6	3
44	Comparison of Structured Reactors for Ozone Abatement in Aircrafts at Low Temperature. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 16739-16746.	1.8	2
45	Corrigendum to â€œEffect of structure and thermal properties of a Fischerâ€”Tropsch catalyst in a fixed bedâ€”[ <i>Catal. Today</i> 147S (2009) S305â€”S312]. <i>Catalysis Today</i> , 2011, 160, 255-256.	2.2	1