

# Jean Philippe Dacquin

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

1,852  
citations

304743

22  
h-index

254184

43  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2488  
citing authors

#	ARTICLE	IF	CITATIONS
1	Unexpected kinetic behavior of structured Pd/CeO <sub>2</sub> -ZrO <sub>2</sub> toward undesired ammonia formation and consumption during nitrites reduction: Role of the reactivity of oxygen from ceria. <i>Catalysis Today</i> , 2022, 383, 330-338.	4.4	4
2	Assembly of SBA-15 into hierarchical porous monoliths replicating polymeric scaffolds. <i>Microporous and Mesoporous Materials</i> , 2022, 337, 111908.	4.4	5
3	Combined theoretical and experimental kinetic approach for methane conversion on model supported Pd/La <sub>0.7</sub> MnO <sub>3</sub> NGV catalyst: Sensitivity to inlet gas composition and consequence on the Pd-support interface. <i>Applied Catalysis A: General</i> , 2022, 641, 118687.	4.3	2
4	Calcium and copper substitution in stoichiometric and La-deficient LaFeO <sub>3</sub> compositions: A starting point in next generation of Three-Way-Catalysts for gasoline engines. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119621.	20.2	19
5	Pt particles sintering on Pt/SiO <sub>2</sub> during water denitrification. <i>Catalysis Communications</i> , 2021, 148, 106168.	3.3	1
6	The Activity of CeVO <sub>4</sub> -Based Catalysts for Ammonia-SCR: Impact of Surface Cerium Enrichment. <i>Catalysis Letters</i> , 2021, 151, 1003-1012.	2.6	6
7	From metal-organic framework powders to shaped solids: recent developments and challenges. <i>Materials Advances</i> , 2021, 2, 7139-7186.	5.4	50
8	Impact of dual calcium and manganese substitution of La-deficient perovskites on structural and related catalytic properties: Future opportunities in next three-way-catalyst generation?. <i>Applied Catalysis A: General</i> , 2021, 619, 118137.	4.3	4
9	La <sub>1-x</sub> (Sr, Na, K) <sub>x</sub> MnO <sub>3</sub> perovskites for HCHO oxidation: The role of oxygen species on the catalytic mechanism. <i>Applied Catalysis B: Environmental</i> , 2021, 287, 119955.	20.2	42
10	Manipulating the physical states of confined ibuprofen in SBA-15 based drug delivery systems obtained by solid-state loading: Impact of the loading degree. <i>Journal of Chemical Physics</i> , 2020, 153, 154506.	3.0	17
11	Engineering pore morphology using silica template route over mesoporous cobalt oxide and its implications in atmospheric pressure carbon dioxide hydrogenation to olefins. <i>Applied Materials Today</i> , 2020, 19, 100586.	4.3	8
12	Hierarchical porous $\gamma$ -MnO <sub>2</sub> from perovskite precursor: Application to the formaldehyde total oxidation. <i>Chemical Engineering Journal</i> , 2020, 388, 124146.	12.7	42
13	Ce <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> mixed oxide as OSC materials for supported Pd three-way catalysts: Flame-spray-pyrolysis vs. co-precipitation. <i>Applied Catalysis A: General</i> , 2020, 598, 117527.	4.3	9
14	Mechanistic insight into the methanol selective catalytic reduction of NO reaction over Cu-containing perovskites. <i>Journal of Catalysis</i> , 2019, 377, 480-493.	6.2	14
15	Peculiar kinetic properties of Cu-doped Pd/Ce <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> in water denitrification: Impact of Pd-Cu interaction vs structural properties of Ce <sub>x</sub> Zr <sub>1-x</sub> O <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , 2019, 253, 391-400.	20.2	13
16	Optimization of the Composition of Perovskite Type Materials for Further Elaboration of Four-Way Catalysts for Gasoline Engine. <i>Topics in Catalysis</i> , 2019, 62, 368-375.	2.8	5
17	Mechanism and kinetics of catalytic ozonation for elimination of organic compounds with spinel-type CuAl <sub>2</sub> O <sub>4</sub> and its precursor. <i>Science of the Total Environment</i> , 2019, 651, 2585-2596.	8.0	82
18	Impact of Thermal Aging on the SCR Performance of Tungsten Doped CeVO <sub>4</sub> Mixed Oxides. <i>Topics in Catalysis</i> , 2019, 62, 49-55.	2.8	1

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19	Induced effect of tungsten incorporation on the catalytic properties of CeVO <sub>4</sub> systems for the selective reduction of NO <sub>x</sub> by ammonia. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 318-328.	20.2	31
20	Non stoichiometric La <sub>1-y</sub> FeO <sub>3</sub> perovskite-based catalysts as alternative to commercial three-way-catalysts? Impact of Cu and Rh doping. <i>Applied Catalysis B: Environmental</i> , 2018, 223, 167-176.	20.2	56
21	Support-induced effect on the catalytic properties of Pd particles in water denitrification: Impact of surface and structural features of mesoporous ceria-zirconia support. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 648-659.	20.2	21
22	Enhanced selectivity of 3-D ordered macroporous Pt/Al <sub>2</sub> O <sub>3</sub> catalysts in nitrites removal from water. <i>Applied Catalysis A: General</i> , 2018, 564, 26-32.	4.3	11
23	Nano-engineered hierarchical porous silicas for enhanced catalytic efficiency in the liquid phase. <i>Catalysis Science and Technology</i> , 2018, 8, 4604-4608.	4.1	2
24	Catalytic Activity and Thermal Stability of LaFe <sub>1-x</sub> Cu <sub>x</sub> O <sub>3</sub> and La <sub>2</sub> CuO <sub>4</sub> Perovskite Solids in Three-Way-Catalysis. <i>Topics in Catalysis</i> , 2017, 60, 300-306.	2.8	19
25	In situ Raman spectroscopy evidence of an accessible phase potentially involved in the enhanced activity of La-deficient lanthanum orthoferrite in 3-way catalysis (TWC). <i>Catalysis Today</i> , 2017, 283, 151-157.	4.4	18
26	Development of stable and efficient CeVO <sub>4</sub> systems for the selective reduction of NO <sub>x</sub> by ammonia: Structure-activity relationship. <i>Applied Catalysis B: Environmental</i> , 2017, 218, 338-348.	20.2	76
27	Synthesis Strategies and Emerging Catalytic Applications of Siliceous Materials with Hierarchically Ordered Porosity. , 2017, , 189-215.		0
28	Î <sup>2</sup> -Keto-enol Tethered Pyridine and Thiophene: Synthesis, Crystal Structure Determination and Its Organic Immobilization on Silica for Efficient Solid-Liquid Extraction of Heavy Metals. <i>Molecules</i> , 2016, 21, 888.	3.8	13
29	High Intrinsic Catalytic Activity of CeVO <sub>4</sub> -Based Catalysts for Ammonia-SCR: Influence of pH During Hydrothermal Synthesis. <i>Topics in Catalysis</i> , 2016, 59, 987-995.	2.8	22
30	Catalytic abatement of NO and N <sub>2</sub> O from nitric acid plants: A novel approach using noble metal-modified perovskites. <i>Journal of Catalysis</i> , 2015, 328, 236-247.	6.2	29
31	Synthesis of 1-(furan-2-yl) imine Functionalized Silica as a Chelating Sorbent and its Preliminary Use in Metal Ion Adsorption. <i>Separation Science and Technology</i> , 2015, 50, 710-717.	2.5	17
32	Tunable hierarchical porous silica materials using hydrothermal sedimentation-aggregation technique. <i>Microporous and Mesoporous Materials</i> , 2015, 208, 140-151.	4.4	9
33	Enhancing catalytic activity of perovskite-based catalysts in three-way catalysis by surface composition optimisation. <i>Catalysis Today</i> , 2015, 258, 543-548.	4.4	38
34	Identifying the active phase in Cs-promoted <sc>MgO</sc> nanocatalysts for triglyceride transesterification. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 73-80.	3.2	22
35	Efficient and Robust Reforming Catalyst in Severe Reaction Conditions by Nanoprecursor Reduction in Confined Space. <i>ChemSusChem</i> , 2014, 7, 631-637.	6.8	27
36	Heterogeneous Catalysts for Converting Renewable Feedstocks to Fuels and Chemicals. , 2012, , 263-304.		5

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37	Tunable KIT-6 Mesoporous Sulfonic Acid Catalysts for Fatty Acid Esterification. ACS Catalysis, 2012, 2, 1607-1614.	11.2	183
38	Pore-expanded SBA-15 sulfonic acid silicas for biodiesel synthesis. Chemical Communications, 2012, 48, 212-214.	4.1	99
39	Enhanced Solid-State NMR Correlation Spectroscopy of Quadrupolar Nuclei Using Dynamic Nuclear Polarization. Journal of the American Chemical Society, 2012, 134, 18491-18494.	13.7	120
40	Better by design: nanoengineered macroporous hydrotalcites for enhanced catalytic biodiesel production. Energy and Environmental Science, 2012, 5, 6145.	30.8	70
41	Support-Induced Effects of LaFeO <sub>3</sub> Perovskite on the Catalytic Performances of Supported Pt Catalysts in DeNO <sub>x</sub> Applications. Journal of Physical Chemistry C, 2011, 115, 1911-1921.	3.1	37
42	A general route to synthesize supported isolated oxide and mixed-oxide nanoclusters at sizes below 5 nm. Chemical Communications, 2011, 47, 1509-1511.	4.1	14
43	Linear Solvation Energy Relationship as a potential predictive tool to investigate catalytic properties: A study of perovskite materials in DeNO <sub>x</sub> and DeN <sub>2</sub> O applications. Catalysis Today, 2011, 176, 433-436.	4.4	1
44	Hierarchical Macroporous Mesoporous Materials for Biodiesel Synthesis.. Materials Research Society Symposia Proceedings, 2011, 1326, 1.	0.1	0
45	Hierarchical macroporousâ€“mesoporous SBA-15 sulfonic acidcatalysts for biodiesel synthesis. Green Chemistry, 2010, 12, 296-303.	9.0	179
46	Structural changes of nano-Pt particles during thermal ageing: Support-induced effect and related impact on the catalytic performances. Journal of Catalysis, 2010, 270, 299-309.	6.2	58
47	Interdependent lateral interactions, hydrophobicity and acid strength and their influence on the catalytic activity of nanoporous sulfonic acid silicas. Green Chemistry, 2010, 12, 1383.	9.0	109
48	Influence of preparation methods of LaCoO <sub>3</sub> on the catalytic performances in the decomposition of N <sub>2</sub> O. Applied Catalysis B: Environmental, 2009, 91, 596-604.	20.2	82
49	An Efficient Route to Highly Organized, Tunable Macroporousâ”Mesoporous Alumina. Journal of the American Chemical Society, 2009, 131, 12896-12897.	13.7	121
50	Catalytic decomposition of N <sub>2</sub> O on supported Pd catalysts: Support and thermal ageing effects on the catalytic performances. Catalysis Today, 2008, 137, 390-396.	4.4	32
51	Chapter 10 The formation of N <sub>2</sub> O during sNOX conversion: fundamental approach and practical developments. Studies in Surface Science and Catalysis, 2007, , 291-324.	1.5	6