

Jean Philippe Dacquin

List of Publications by Year in descending order

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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	Tunable KIT-6 Mesoporous Sulfonic Acid Catalysts for Fatty Acid Esterification. ACS Catalysis, 2012, 2, 1607-1614.	11.2	183
2	Hierarchical macroporous-mesoporous SBA-15 sulfonic acid catalysts for biodiesel synthesis. Green Chemistry, 2010, 12, 296-303.	9.0	179
3	An Efficient Route to Highly Organized, Tunable Macroporous-Mesoporous Alumina. Journal of the American Chemical Society, 2009, 131, 12896-12897.	13.7	121
4	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
5	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
6	Pore-expanded SBA-15 sulfonic acid silicas for biodiesel synthesis. Chemical Communications, 2012, 48, 212-214.	4.1	99
7	Influence of preparation methods of LaCoO ₃ on the catalytic performances in the decomposition of N ₂ O. Applied Catalysis B: Environmental, 2009, 91, 596-604.	20.2	82
8	Mechanism and kinetics of catalytic ozonation for elimination of organic compounds with spinel-type CuAl ₂ O ₄ and its precursor. Science of the Total Environment, 2019, 651, 2585-2596.	8.0	82
9	Development of stable and efficient CeVO ₄ systems for the selective reduction of NO _x by ammonia: Structure-activity relationship. Applied Catalysis B: Environmental, 2017, 218, 338-348.	20.2	76
10	Better by design: nanoengineered macroporous hydrotalcites for enhanced catalytic biodiesel production. Energy and Environmental Science, 2012, 5, 6145.	30.8	70
11	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
12	Non stoichiometric La _{1-y} FeO ₃ perovskite-based catalysts as alternative to commercial three-way-catalysts? Impact of Cu and Rh doping. Applied Catalysis B: Environmental, 2018, 223, 167-176.	20.2	56
13	From metal-organic framework powders to shaped solids: recent developments and challenges. Materials Advances, 2021, 2, 7139-7186.	5.4	50
14	Hierarchical porous μ -MnO ₂ from perovskite precursor: Application to the formaldehyde total oxidation. Chemical Engineering Journal, 2020, 388, 124146.	12.7	42
15	La _{1-x} (Sr, Na, K) _x MnO ₃ perovskites for HCHO oxidation: The role of oxygen species on the catalytic mechanism. Applied Catalysis B: Environmental, 2021, 287, 119955.	20.2	42
16	Enhancing catalytic activity of perovskite-based catalysts in three-way catalysis by surface composition optimisation. Catalysis Today, 2015, 258, 543-548.	4.4	38
17	Support-Induced Effects of LaFeO ₃ Perovskite on the Catalytic Performances of Supported Pt Catalysts in DeNO _x Applications. Journal of Physical Chemistry C, 2011, 115, 1911-1921.	3.1	37
18	Catalytic decomposition of N ₂ O on supported Pd catalysts: Support and thermal ageing effects on the catalytic performances. Catalysis Today, 2008, 137, 390-396.	4.4	32

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19	Induced effect of tungsten incorporation on the catalytic properties of CeVO ₄ systems for the selective reduction of NO _x by ammonia. <i>Applied Catalysis B: Environmental</i> , 2018, 234, 318-328.	20.2	31
20	Catalytic abatement of NO and N ₂ 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
21	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
22	Identifying the active phase in Cs ⁺ -promoted MgO nanocatalysts for triglyceride transesterification. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 73-80.	3.2	22
23	High Intrinsic Catalytic Activity of CeVO ₄ -Based Catalysts for Ammonia-SCR: Influence of pH During Hydrothermal Synthesis. <i>Topics in Catalysis</i> , 2016, 59, 987-995.	2.8	22
24	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
25	Catalytic Activity and Thermal Stability of LaFe _{1-x} Cu _x O ₃ and La ₂ CuO ₄ Perovskite Solids in Three-Way-Catalysis. <i>Topics in Catalysis</i> , 2017, 60, 300-306.	2.8	19
26	Calcium and copper substitution in stoichiometric and La-deficient LaFeO ₃ 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
27	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
28	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
29	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
30	A general route to synthesize supported isolated oxide and mixed-oxide nanoclusters at sizes below 5 nm. <i>Chemical Communications</i> , 2011, 47, 1509-1511.	4.1	14
31	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
32	β -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
33	Peculiar kinetic properties of Cu-doped Pd/Ce _x Zr _{1-x} O ₂ in water denitrification: Impact of Pd-Cu interaction vs structural properties of Ce _x Zr _{1-x} O ₂ . <i>Applied Catalysis B: Environmental</i> , 2019, 253, 391-400.	20.2	13
34	Enhanced selectivity of 3-D ordered macroporous Pt/Al ₂ O ₃ catalysts in nitrites removal from water. <i>Applied Catalysis A: General</i> , 2018, 564, 26-32.	4.3	11
35	Tunable hierarchical porous silica materials using hydrothermal sedimentation-aggregation technique. <i>Microporous and Mesoporous Materials</i> , 2015, 208, 140-151.	4.4	9
36	Ce _x Zr _{1-x} O ₂ 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

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37	Engineering pore morphology using silica template route over mesoporous cobalt oxide and its implications in atmospheric pressure carbon dioxide hydrogenation to olefins. Applied Materials Today, 2020, 19, 100586.	4.3	8
38	Chapter 10 The formation of N ₂ O during sNOX conversion: fundamental approach and practical developments. Studies in Surface Science and Catalysis, 2007, , 291-324.	1.5	6
39	The Activity of CeVO ₄ -Based Catalysts for Ammonia-SCR: Impact of Surface Cerium Enrichment. Catalysis Letters, 2021, 151, 1003-1012.	2.6	6
40	Heterogeneous Catalysts for Converting Renewable Feedstocks to Fuels and Chemicals. , 2012, , 263-304.		5
41	Optimization of the Composition of Perovskite Type Materials for Further Elaboration of Four-Way Catalysts for Gasoline Engine. Topics in Catalysis, 2019, 62, 368-375.	2.8	5
42	Assembly of SBA-15 into hierarchical porous monoliths replicating polymeric scaffolds. Microporous and Mesoporous Materials, 2022, 337, 111908.	4.4	5
43	Unexpected kinetic behavior of structured Pd/CeO ₂ –ZrO ₂ toward undesired ammonia formation and consumption during nitrites reduction: Role of the reactivity of oxygen from ceria. Catalysis Today, 2022, 383, 330-338.	4.4	4
44	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?. Applied Catalysis A: General, 2021, 619, 118137.	4.3	4
45	Nano-engineered hierarchical porous silicas for enhanced catalytic efficiency in the liquid phase. Catalysis Science and Technology, 2018, 8, 4604-4608.	4.1	2
46	Combined theoretical and experimental kinetic approach for methane conversion on model supported Pd/La _{0.7} MnO ₃ NGV catalyst: Sensitivity to inlet gas composition and consequence on the Pd-support interface. Applied Catalysis A: General, 2022, 641, 118687.	4.3	2
47	Linear Solvation Energy Relationship as a potential predictive tool to investigate catalytic properties: A study of perovskite materials in DeNO _x and DeN ₂ O applications. Catalysis Today, 2011, 176, 433-436.	4.4	1
48	Impact of Thermal Aging on the SCR Performance of Tungsten Doped CeVO ₄ Mixed Oxides. Topics in Catalysis, 2019, 62, 49-55.	2.8	1
49	Pt particles sintering on Pt/SiO ₂ during water denitrification. Catalysis Communications, 2021, 148, 106168.	3.3	1
50	Hierarchical Macroporous Mesoporous Materials for Biodiesel Synthesis.. Materials Research Society Symposia Proceedings, 2011, 1326, 1.	0.1	0
51	Synthesis Strategies and Emerging Catalytic Applications of Siliceous Materials with Hierarchically Ordered Porosity. , 2017, , 189-215.		0