Nathalie Job

List of Publications by Year
in descending order

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28 papers	1,621 citations	430874 18 h-index	454955 30 g-index
30 all docs	30 docs citations	30 times ranked	1630 citing authors

#	Article	IF	Citations
1	Carbon aerogels, cryogels and xerogels: Influence of the drying method on the textural properties of porous carbon materials. Carbon, 2005, 43, 2481-2494.	10.3	396
2	Porous carbon xerogels with texture tailored by pH control during solâ€“gel process. Carbon, 2004, 42, 619-628.	10.3	334
3	Synthesis optimization of organic xerogels produced from convective air-drying of resorcinolâ€“formaldehyde gels. Journal of Non-Crystalline Solids, 2006, 352, 24-34.	3.1	108
4	Carbon xerogels as catalyst supports for PEM fuel cell cathode. Energy Conversion and Management, 2008, 49, 2461-2470.	9.2	84
5	Porous Hollow PtNi/C Electrocatalysts: Carbon Support Considerations To Meet Performance and Stability Requirements. ACS Catalysis, 2018, 8, 893-903.	11.2	67
6	A Review on Recent Developments and Prospects for the Oxygen Reduction Reaction on Hollow Ptâ€alloy Nanoparticles. ChemPhysChem, 2018, 19, 1552-1567.	2.1	64
7	Hydrodechlorination of 1,2-dichloroethane on Pdâ€“Ag catalysts supported on tailored texture carbon xerogels. Catalysis Today, 2005, 102-103, 234-241.	4.4	61
8	Carbon xerogels as catalyst supports: Study of mass transfer. AICHE Journal, 2006, 52, 2663-2676.	3.6	58
9	Preparation of highly loaded Pt/carbon xerogel catalysts for Proton Exchange Membrane fuel cells by the Strong Electrostatic Adsorption method. Catalysis Today, 2010, 150, 119-127.	4.4	51
10	Non Intrusive Mercury Porosimetry: Pyrolysis of Resorcinol-Formaldehyde Xerogels. Particle and Particle Systems Characterization, 2006, 23, 72-81.	2.3	43
11	Insights on palladium decorated nitrogen-doped carbon xerogels for the hydrogen production from formic acid. Catalysis Today, 2019, 324, 90-96.	4.4	40
12	Rheological determination of the solâ€“gel transition during the aqueous synthesis of resorcinol-formaldehyde resins. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2007, 293, 224-228.	4.7	38
13	Pt/C catalyst for PEM fuel cells: Control of Pt nanoparticles characteristics through a novel plasma deposition method. Applied Catalysis B: Environmental, 2014, 147, 453-463.	20.2	32
14	Effect of nitrogen doping on the pore texture of carbon xerogels based on resorcinol-melamine-formaldehyde precursors. Microporous and Mesoporous Materials, 2018, 256, 190-198.	4.4	27
15	Streamlining of the synthesis process of Pt/carbon xerogel electrocatalysts with high Pt loading for the oxygen reduction reaction in proton exchange membrane fuel cells applications. Applied Catalysis B: Environmental, 2018, 225, 364-378.	20.2	26
16	ZnO/Carbon xerogel photocatalysts by low-pressure plasma treatment, the role of the carbon substrate and its plasma functionalization. Journal of Colloid and Interface Science, 2020, 570, 312-321.	9.4	25
17	Influence of the textural parameters of resorcinolâ€“formaldehyde dry polymers and carbon xerogels on particle sizes upon mechanical milling. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 471, 124-132.	4.7	20
18	Nanostructured Carbons as Platinum Catalyst Supports for Proton Exchange Membrane Fuel Cell Electrodes. Topics in Catalysis, 2009, 52, 2117-2122.	2.8	19

#	Article	IF	Citations
19	Elucidating the Mechanisms Driving the Aging of Porous Hollow PtNi/C Nanoparticles by Means of CO_{ads} Stripping. ACS Applied Materials & Interfaces, 2017, 9, 25298-25307.	8.0	19
20	Critical opalescence points to thermodynamic instability: relevance to small-angle X-ray scattering of resorcinolâ€“formaldehyde gel formation at low pH. Journal of Applied Crystallography, 2008, 41, 663-668.	4.5	18
21	Effect of CO2 activation of carbon xerogels on the adsorption of methylene blue. Adsorption, 2012, 18, 199-211.	3.0	18
22	Structureâ€“Activity Relationships for the Oxygen Reduction Reaction in Porous Hollow PtNi/C Nanoparticles. ChemElectroChem, 2016, 3, 1591-1600.	3.4	16
23	Design of Pt/Carbon Xerogel Catalysts for PEM Fuel Cells. Catalysts, 2015, 5, 40-57.	3.5	15
24	Low-Pressure Plasma Synthesis of Ni/C Nanocatalysts from Solid Precursors: Influence of the Plasma Chemistry on the Morphology and Chemical State. ACS Applied Nano Materials, 2018, 1, 265-273.	5.0	10
25	Defective Ptâ€“Ni/graphene nanomaterials by simultaneous or sequential treatments of organometallic precursors by lowâ€pressure oxygen plasma. Plasma Processes and Polymers, 2019, 16, 1800203.	3.0	8
26	Water desorption from resorcinol-formaldehyde hydrogels and adsorption in the resulting xerogels. Microporous and Mesoporous Materials, 2009, 117, 61-66.	4.4	7
27	A practical method to characterize proton exchange membrane fuel cell catalyst layer topography: Application to two coating techniques and two carbon supports. Thin Solid Films, 2020, 695, 137751.	1.8	7
28	Carbon Gels for Electrochemical Applications. Advances in Sol-gel Derived Materials and Technologies, 2019, , 149-189.	0.2	1