# Nathalie Job

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6526319/publications.pdf

Version: 2024-02-01

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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 | 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 |
| 2 | 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 |
| 3 | Insights on palladium decorated nitrogen-doped carbon xerogels for the hydrogen production from formic acid. Catalysis Today, 2019, 324, 90-96. | 4.4 | 40 |
| 4 | Carbon Gels for Electrochemical Applications. Advances in Sol-gel Derived Materials and Technologies, 2019, , 149-189. | 0.2 | 1 |
| 5 | 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 |
| 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 | 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 |
| 8 | 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 |
| 9 | Porous Hollow PtNi/C Electrocatalysts: Carbon Support Considerations To Meet Performance and Stability Requirements. ACS Catalysis, 2018, 8, 893-903. | 11.2 | 67 |
| 10 | 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 |
| 11 | Elucidating the Mechanisms Driving the Aging of Porous Hollow PtNi/C Nanoparticles by Means of CO<sub>ads</sub> Stripping. ACS Applied Materials & Interfaces, 2017, 9, 25298-25307. | 8.0 | 19 |
| 12 | Structureâ€“Activity Relationships for the Oxygen Reduction Reaction in Porous Hollow PtNi/C Nanoparticles. ChemElectroChem, 2016, 3, 1591-1600. | 3.4 | 16 |
| 13 | Design of Pt/Carbon Xerogel Catalysts for PEM Fuel Cells. Catalysts, 2015, 5, 40-57. | 3.5 | 15 |
| 14 | 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 |
| 15 | 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 |
| 16 | Effect of CO2 activation of carbon xerogels on the adsorption of methylene blue. Adsorption, 2012, 18, 199-211. | 3.0 | 18 |
| 17 | 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 |
| 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 | Water desorption from resorcinol-formaldehyde hydrogels and adsorption in the resulting xerogels. Microporous and Mesoporous Materials, 2009, 117, 61-66. | 4.4 | 7 |
| 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 | Carbon xerogels as catalyst supports for PEM fuel cell cathode. Energy Conversion and Management, 2008, 49, 2461-2470. | 9.2 | 84 |
| 22 | 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 |
| 23 | 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 |
| 24 | Non Intrusive Mercury Porosimetry: Pyrolysis of Resorcinol-Formaldehyde Xerogels. Particle and Particle Systems Characterization, 2006, 23, 72-81. | 2.3 | 43 |
| 25 | Carbon xerogels as catalyst supports: Study of mass transfer. AICHE Journal, 2006, 52, 2663-2676. | 3.6 | 58 |
| 26 | 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 |
| 27 | 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 |
| 28 | Porous carbon xerogels with texture tailored by pH control during solâ€“gel process. Carbon, 2004, 42, 619-628. | 10.3 | 334 |