

Catriona M Mcgilvery

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4717042/publications.pdf>

Version: 2024-02-01

21
papers

1,008
citations

623734

14
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1948
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterisation of carbonaceous deposits on diesel injector nozzles. <i>Fuel</i> , 2020, 274, 117629.	6.4	2
2	Nanoscale Chemical Heterogeneity in Aromatic Polyamide Membranes for Reverse Osmosis Applications. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 19890-19902.	8.0	12
3	Effect of block copolymer architecture and composition on gold nanoparticle fabrication. <i>Polymer Chemistry</i> , 2019, 10, 4637-4642.	3.9	5
4	Phase evolution and reactivity of Pr ₂ NiO ₄ + δ and Ce _{0.9} Gd _{0.1} O ₂ - δ composites under solid oxide cell sintering and operation temperatures. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 31458-31465.	7.1	6
5	L-DOPA functionalized, multi-branched gold nanoparticles as brain-targeted nano-vehicles. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2019, 15, 1-11.	3.3	67
6	Light-triggered enzymatic reactions in nested vesicle reactors. <i>Nature Communications</i> , 2018, 9, 1093.	12.8	125
7	Mechanistic link between diesel exhaust particles and respiratory reflexes. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 141, 1074-1084.e9.	2.9	75
8	Inactivation, Clearance, and Functional Effects of Lung-Instilled Short and Long Silver Nanowires in Rats. <i>ACS Nano</i> , 2017, 11, 2652-2664.	14.6	30
9	Release of airborne particles and Ag and Zn compounds from nanotechnology-enabled consumer sprays: Implications for inhalation exposure. <i>Atmospheric Environment</i> , 2017, 155, 85-96.	4.1	21
10	Probing flow activity in polyamide layer of reverse osmosis membrane with nanoparticle tracers. <i>Journal of Membrane Science</i> , 2017, 534, 9-17.	8.2	29
11	Encapsulation and Polymerization of White Phosphorus Inside Single-Wall Carbon Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8144-8148.	13.8	70
12	Template-Free Synthesis of Highly Porous Boron Nitride: Insights into Pore Network Design and Impact on Gas Sorption. <i>ACS Nano</i> , 2017, 11, 10003-10011.	14.6	96
13	A Comprehensive Systematic Study on Thermoresponsive Gels: Beyond the Common Architectures of Linear Terpolymers. <i>Polymers</i> , 2017, 9, 31.	4.5	23
14	Micro-to nano-scale characterisation of polyamide structures of the SW30HR RO membrane using advanced electron microscopy and stain tracers. <i>Journal of Membrane Science</i> , 2016, 520, 465-476.	8.2	107
15	Nanoanalytical Electron Microscopy Reveals a Sequential Mineralization Process Involving Carbonate-Containing Amorphous Precursors. <i>ACS Nano</i> , 2016, 10, 6826-6835.	14.6	53
16	Investigation of Crystallization Processes from Hafnium Silicate Powders Prepared from an Oxychloride Sol-Gel. <i>Journal of the American Ceramic Society</i> , 2012, 95, 3985-3991.	3.8	4
17	Contamination of holey/lacey carbon films in STEM. <i>Micron</i> , 2012, 43, 450-455.	2.2	30
18	DNA Tunneling Detector Embedded in a Nanopore. <i>Nano Letters</i> , 2011, 11, 279-285.	9.1	214

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19	Characterization of Hafnia Powder Prepared from an Oxychloride Sol-Gel. Journal of the American Ceramic Society, 2011, 94, 886-894.	3.8	5
20	Nanopore/electrode structures for single-molecule biosensing. Electrochimica Acta, 2010, 55, 8237-8243.	5.2	34
21	Advanced Nano-Analysis of a High-K Dielectric Stack. ECS Transactions, 2006, 3, 153-158.	0.5	0