

S?bastien Schaefer

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

397
citations

758635

12
h-index

752256

20
g-index

21
all docs

21
docs citations

21
times ranked

441
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of hydrogen storage in activated carbons produced from hydrothermally treated organic materials. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 12146-12156.	3.8	53
2	Physisorption, chemisorption and spill-over contributions to hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 17442-17452.	3.8	41
3	A Step Forward in Understanding the Hydrogen Adsorption and Compression on Activated Carbons. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 12562-12574.	4.0	39
4	Characterization of materials toward toluene traces detection for air quality monitoring and lung cancer diagnosis. <i>Materials Chemistry and Physics</i> , 2017, 192, 374-382.	2.0	33
5	Rice straw-based activated carbons doped with SiC for enhanced hydrogen adsorption. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 11534-11540.	3.8	30
6	Application of the modified Dubinin-Astakhov equation for a better understanding of high-pressure hydrogen adsorption on activated carbons. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 25912-25926.	3.8	26
7	Oxygen-promoted hydrogen adsorption on activated and hybrid carbon materials. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30767-30782.	3.8	25
8	Electromagnetic properties of polyurethane template-based carbon foams in Ka-band. <i>Physica Scripta</i> , 2015, 90, 094019.	1.2	24
9	A 70 MPa hydrogen thermally driven compressor based on cyclic adsorption-desorption on activated carbon. <i>Carbon</i> , 2020, 161, 466-478.	5.4	24
10	Floating hollow carbon spheres for improved solar evaporation. <i>Carbon</i> , 2019, 146, 232-247.	5.4	22
11	Novel Porous Carbons Derived from Coal Tar Rejects: Assessment of the Role of Pore Texture in CO ₂ Capture under Realistic Postcombustion Operating Temperatures. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36789-36799.	4.0	19
12	Ultra-low percolation threshold in epoxy resin-based onion-like carbon composites. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	13
13	Roles of Surface Chemistry and Texture of Nanoporous Activated Carbons in CO ₂ Capture. <i>ACS Applied Nano Materials</i> , 2022, 5, 3843-3854.	2.4	12
14	An Enhanced Carbon Capture and Storage Process (e-CCS) Applied to Shallow Reservoirs Using Nanofluids Based on Nitrogen-Rich Carbon Nanospheres. <i>Materials</i> , 2019, 12, 2088.	1.3	11
15	Measuring and understanding radon adsorption in microporous materials. <i>AIP Conference Proceedings</i> , 2015, .	0.3	6
16	A new method for measuring the thermal conductivity of small insulating samples. <i>Review of Scientific Instruments</i> , 2019, 90, 054901.	0.6	6
17	Carbon gels derived from phenolic-oil for pollutants removal in water phase. <i>Fuel Processing Technology</i> , 2021, 211, 106588.	3.7	4
18	Easy Preparation of Tannin-Based Ag Catalysts for Ethylene Epoxidation. <i>ChemistrySelect</i> , 2017, 2, 8509-8516.	0.7	3

#	ARTICLE	IF	CITATIONS
19	Detection of Lung Cancer Bio-markers in Human Breath Using a Micro-fabricated Air Analyzer. Materials Today: Proceedings, 2015, 2, 4664-4670.	0.9	2
20	Noise and Electrical Characteristics of Composites Filled with Onion-Like Carbon Nanoparticles. Polymers, 2021, 13, 997.	2.0	2