S?bastien Schaefer

List of Publications by Year in descending order

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#	Article	lF	CITATIONS
1	Assessment of hydrogen storage in activated carbons produced from hydrothermally treated organic materials. International Journal of Hydrogen Energy, 2016, 41, 12146-12156.	7.1	53
2	Physisorption, chemisorption and spill-over contributions to hydrogen storage. International Journal of Hydrogen Energy, 2016, 41, 17442-17452.	7.1	41
3	A Step Forward in Understanding the Hydrogen Adsorption and Compression on Activated Carbons. ACS Applied Materials & Interfaces, 2021, 13, 12562-12574.	8.0	39
4	Characterization of materials toward toluene traces detection for air quality monitoring and lung cancer diagnosis. Materials Chemistry and Physics, 2017, 192, 374-382.	4.0	33
5	Rice straw-based activated carbons doped with SiC for enhanced hydrogen adsorption. International Journal of Hydrogen Energy, 2017, 42, 11534-11540.	7.1	30
6	Application of the modified Dubinin-Astakhov equation for a better understanding of high-pressure hydrogen adsorption on activated carbons. International Journal of Hydrogen Energy, 2020, 45, 25912-25926.	7.1	26
7	Oxygen-promoted hydrogen adsorption on activated and hybrid carbon materials. International Journal of Hydrogen Energy, 2020, 45, 30767-30782.	7.1	25
8	Electromagnetic properties of polyurethane template-based carbon foams in Ka-band. Physica Scripta, 2015, 90, 094019.	2.5	24
9	A 70 MPa hydrogen thermally driven compressor based on cyclic adsorption-desorption on activated carbon. Carbon, 2020, 161, 466-478.	10.3	24
10	Floating hollow carbon spheres for improved solar evaporation. Carbon, 2019, 146, 232-247.	10.3	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. ACS Applied Materials & Interfaces, 2019, 11, 36789-36799.	8.0	19
12	Ultra-low percolation threshold in epoxy resin–onion-like carbon composites. Applied Physics Letters, 2018, 113, .	3.3	13
13	Roles of Surface Chemistry and Texture of Nanoporous Activated Carbons in CO ₂ Capture. ACS Applied Nano Materials, 2022, 5, 3843-3854.	5.0	12
14	An Enhanced Carbon Capture and Storage Process (e-CCS) Applied to Shallow Reservoirs Using Nanofluids Based on Nitrogen-Rich Carbon Nanospheres. Materials, 2019, 12, 2088.	2.9	11
15	Measuring and understanding radon adsorption in microporous materials. AIP Conference Proceedings, 2015, , .	0.4	6
16	A new method for measuring the thermal conductivity of small insulating samples. Review of Scientific Instruments, 2019, 90, 054901.	1.3	6
17	Carbon gels derived from phenolic-oil for pollutants removal in water phase. Fuel Processing Technology, 2021, 211, 106588.	7.2	4
18	Easy Preparation of Tanninâ€Based Ag Catalysts for Ethylene Epoxidation. ChemistrySelect, 2017, 2, 8509-8516.	1.5	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.	1.8	2
20	Noise and Electrical Characteristics of Composites Filled with Onion-Like Carbon Nanoparticles. Polymers, 2021, 13, 997.	4.5	2