

S?bastien Schaefer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5410334/publications.pdf>

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	Roles of Surface Chemistry and Texture of Nanoporous Activated Carbons in CO ₂ Capture. ACS Applied Nano Materials, 2022, 5, 3843-3854.	2.4	12
2	Carbon gels derived from phenolic-oil for pollutants removal in water phase. Fuel Processing Technology, 2021, 211, 106588.	3.7	4
3	A Step Forward in Understanding the Hydrogen Adsorption and Compression on Activated Carbons. ACS Applied Materials & Interfaces, 2021, 13, 12562-12574.	4.0	39
4	Noise and Electrical Characteristics of Composites Filled with Onion-Like Carbon Nanoparticles. Polymers, 2021, 13, 997.	2.0	2
5	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.	3.8	26
6	Oxygen-promoted hydrogen adsorption on activated and hybrid carbon materials. International Journal of Hydrogen Energy, 2020, 45, 30767-30782.	3.8	25
7	A 70 MPa hydrogen thermally driven compressor based on cyclic adsorption-desorption on activated carbon. Carbon, 2020, 161, 466-478.	5.4	24
8	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.	1.3	11
9	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.	4.0	19
10	A new method for measuring the thermal conductivity of small insulating samples. Review of Scientific Instruments, 2019, 90, 054901.	0.6	6
11	Floating hollow carbon spheres for improved solar evaporation. Carbon, 2019, 146, 232-247.	5.4	22
12	Ultra-low percolation threshold in epoxy resin-based onion-like carbon composites. Applied Physics Letters, 2018, 113, .	1.5	13
13	Rice straw-based activated carbons doped with SiC for enhanced hydrogen adsorption. International Journal of Hydrogen Energy, 2017, 42, 11534-11540.	3.8	30
14	Characterization of materials toward toluene traces detection for air quality monitoring and lung cancer diagnosis. Materials Chemistry and Physics, 2017, 192, 374-382.	2.0	33
15	Easy Preparation of Tannin-Based Ag Catalysts for Ethylene Epoxidation. ChemistrySelect, 2017, 2, 8509-8516.	0.7	3
16	Physisorption, chemisorption and spill-over contributions to hydrogen storage. International Journal of Hydrogen Energy, 2016, 41, 17442-17452.	3.8	41
17	Assessment of hydrogen storage in activated carbons produced from hydrothermally treated organic materials. International Journal of Hydrogen Energy, 2016, 41, 12146-12156.	3.8	53
18	Measuring and understanding radon adsorption in microporous materials. AIP Conference Proceedings, 2015, , .	0.3	6

#	ARTICLE	IF	CITATIONS
19	Electromagnetic properties of polyurethane template-based carbon foams in Ka-band. Physica Scripta, 2015, 90, 094019.	1.2	24
20	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