

Mostapha Dakhchoune

List of Publications by Year in descending order

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14
papers

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758635

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#	ARTICLE	IF	CITATIONS
1	Gas-sieving zeolitic membranes fabricated by condensation of precursor nanosheets. <i>Nature Materials</i> , 2021, 20, 362-369.	13.3	86
2	Centimeter-scale gas-sieving nanoporous single-layer graphene membrane. <i>Journal of Membrane Science</i> , 2021, 618, 118745.	4.1	23
3	Millisecond lattice gasification for high-density CO ₂ and O ₂ -sieving nanopores in single-layer graphene. <i>Science Advances</i> , 2021, 7, .	4.7	47
4	Polybenzimidazole copolymer derived lacey carbon film for graphene transfer and contamination removal strategies for imaging graphene nanopores. <i>Carbon</i> , 2021, 173, 980-988.	5.4	13
5	Multipulsed Millisecond Ozone Gasification for Predictable Tuning of Nucleation and Nucleation-Decoupled Nanopore Expansion in Graphene for Carbon Capture. <i>ACS Nano</i> , 2021, 15, 13230-13239.	7.3	16
6	Bottom-up synthesis of graphene films hosting atom-thick molecular-sieving apertures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	14
7	Two-dimensional Material Membranes for Gas Separation. <i>Chimia</i> , 2020, 74, 263.	0.3	2
8	Thermal stability of size-selected copper nanoparticles: Effect of size, support and CO ₂ hydrogenation atmosphere. <i>Applied Surface Science</i> , 2020, 510, 145439.	3.1	13
9	Large-scale synthesis of crystalline g-C ₃ N ₄ nanosheets and high-temperature H ₂ sieving from assembled films. <i>Science Advances</i> , 2020, 6, eaay9851.	4.7	105
10	Hydrogen sieving from intrinsic defects of benzene-derived single-layer graphene. <i>Carbon</i> , 2019, 153, 458-466.	5.4	40
11	Etching gas-sieving nanopores in single-layer graphene with an angstrom precision for high-performance gas mixture separation. <i>Science Advances</i> , 2019, 5, eaav1851.	4.7	151
12	Electrophoretic Nuclei Assembly for Crystallization of High-Performance Membranes on Unmodified Supports. <i>Advanced Functional Materials</i> , 2018, 28, 1707427.	7.8	71
13	Thin Films: Electrophoretic Nuclei Assembly for Crystallization of High-Performance Membranes on Unmodified Supports (<i>Adv. Funct. Mater.</i> 20/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870134.	7.8	0
14	Single-layer graphene membranes by crack-free transfer for gas mixture separation. <i>Nature Communications</i> , 2018, 9, 2632.	5.8	160