

Materials for next-generation molecularly selective syn

Nature Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	From water to organics in membrane separations. Nature Materials, 2017, 16, 276-279.	13.3	358
2	The state of flux. Nature Materials, 2017, 16, 275-275.	13.3	2
3	Mixed-Matrix Membranen. Angewandte Chemie, 2017, 129, 9420-9439.	1.6	69
4	Mixed-Matrix Membranes. Angewandte Chemie - International Edition, 2017, 56, 9292-9310.	7.2	545
5	Highly CO <sub>2</sub> Selective Microporous Metal-Imidazolate Framework-Based Mixed Matrix Membranes. ACS Applied Materials & Interfaces, 2017, 9, 35936-35946.	4.0	14
6	A Charge-Density-Tunable Three/Two-Dimensional Polymer/Graphene Oxide Heterogeneous Nanoporous Membrane for Ion Transport. ACS Nano, 2017, 11, 10816-10824.	7.3	99
7	Diamine-Appended Mg <sub>2</sub> (dobpdc) Nanorods as Phase-Change Fillers in Mixed-Matrix Membranes for Efficient CO <sub>2</sub> /N <sub>2</sub> Separations. Nano Letters, 2017, 17, 6828-6832.	4.5	28
8	Novel ZIF-300 Mixed-Matrix Membranes for Efficient CO <sub>2</sub> Capture. ACS Applied Materials & Interfaces, 2017, 9, 38575-38583.	4.0	63
9	Synthesis and characterization of a microporous 6FDA-polyimide made from a novel carbocyclic pseudo Tröger's base diamine: Effect of bicyclic bridge on gas transport properties. Polymer, 2017, 130, 182-190.	1.8	40
10	Purification of Aggressive Supercritical Natural Gas Using Carbon Molecular Sieve Hollow Fiber Membranes. Industrial & Engineering Chemistry Research, 2017, 56, 10482-10490.	1.8	36
11	Thermo-mechanical properties of mixed-matrix membranes encompassing zeolitic imidazolate framework-90 and polyvinylidene difluoride: ZIF-90/PVDF nanocomposites. APL Materials, 2017, 5, .	2.2	25
12	Graphene Oxide Membranes with Heterogeneous Nanodomains for Efficient CO <sub>2</sub> Separations. Angewandte Chemie - International Edition, 2017, 56, 14246-14251.	7.2	121
13	Graphene Oxide Membranes with Heterogeneous Nanodomains for Efficient CO <sub>2</sub> Separations. Angewandte Chemie, 2017, 129, 14434-14439.	1.6	13
14	Ultrathin metal-organic framework membrane production by gel vapour deposition. Nature Communications, 2017, 8, 406.	5.8	233
15	Multiscale-architected functional membranes utilizing inverse opal structures. Journal of Materials Chemistry A, 2017, 5, 17111-17134.	5.2	43
16	Ultrasensitive Carbon Molecular Sieve Membranes with Tailored Synergistic Sorption Selective Properties. Advanced Materials, 2017, 29, 1701631.	11.1	129
17	Design and Synthesis of Polyimides Based on Carbocyclic Pseudo-Tröger's Base-Derived Dianhydrides for Membrane Gas Separation Applications. Macromolecules, 2017, 50, 5850-5857.	2.2	56
18	Two-Dimensional Materials as Prospective Scaffolds for Mixed-Matrix Membrane-Based CO <sub>2</sub> Separation. ChemSusChem, 2017, 10, 3304-3316.	3.6	77

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20	Poly(ether imide sulfone) Membranes from Solutions in Ionic Liquids. <i>Industrial &amp; Engineering Chemistry Research</i> , 2017, 56, 14914-14922.	1.8	16
21	Ultrathin graphene-based membrane with precise molecular sieving and ultrafast solvent permeation. <i>Nature Materials</i> , 2017, 16, 1198-1202.	13.3	549
22	Metal-organic frameworks based membranes for liquid separation. <i>Chemical Society Reviews</i> , 2017, 46, 7124-7144.	18.7	557
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30	Liquid gating elastomeric porous system with dynamically controllable gas/liquid transport. <i>Science Advances</i> , 2018, 4, eaao6724.	4.7	96
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