

Raja Swaidan

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

2,933
citations

394421

19
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713466

21
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docs citations

21
times ranked

2453
citing authors

#	ARTICLE	IF	CITATIONS
1	Cause and effects of hyperskin features on carbon molecular sieve (CMS) membranes. <i>Journal of Membrane Science</i> , 2018, 551, 113-122.	8.2	40
2	6FDA-DETD: DABE polyimide-derived carbon molecular sieve hollow fiber membranes: Circumventing unusual aging phenomena. <i>Journal of Membrane Science</i> , 2018, 546, 197-205.	8.2	46
3	Pure- and mixed-gas propylene/propane permeation properties of spiro- and triptycene-based microporous polyimides. <i>Journal of Membrane Science</i> , 2015, 492, 116-122.	8.2	57
4	Quest for Anionic MOF Membranes: Continuous CO_2 -ZMOF Membrane with CO_2 Adsorption-Driven Selectivity. <i>Journal of the American Chemical Society</i> , 2015, 137, 1754-1757.	13.7	138
5	Gas permeation and physical aging properties of triptycene diamine-based microporous polyimides. <i>Journal of Membrane Science</i> , 2015, 490, 321-327.	8.2	95
6	Fine-Tuned Intrinsically Ultramicroporous Polymers Redefine the Permeability/Selectivity Upper Bounds of Membrane-Based Air and Hydrogen Separations. <i>ACS Macro Letters</i> , 2015, 4, 947-951.	4.8	336
7	Physical Aging, Plasticization and Their Effects on Gas Permeation in Rigid Polymers of Intrinsic Microporosity. <i>Macromolecules</i> , 2015, 48, 6553-6561.	4.8	263
8	Effects of hydroxyl-functionalization and sub-T thermal annealing on high pressure pure- and mixed-gas CO_2/CH_4 separation by polyimide membranes based on 6FDA and triptycene-containing dianhydrides. <i>Journal of Membrane Science</i> , 2015, 475, 571-581.	8.2	95
9	Role of Intrachain Rigidity in the Plasticization of Intrinsically Microporous Triptycene-Based Polyimide Membranes in Mixed-Gas CO_2/CH_4 Separations. <i>Macromolecules</i> , 2014, 47, 7453-7462.	4.8	106
10	The liquid phase epitaxy approach for the successful construction of ultra-thin and defect-free ZIF-8 membranes: pure and mixed gas transport study. <i>Chemical Communications</i> , 2014, 50, 2089.	4.1	167
11	Rational Design of Intrinsically Ultramicroporous Polyimides Containing Bridgehead-Substituted Triptycene for Highly Selective and Permeable Gas Separation Membranes. <i>Macromolecules</i> , 2014, 47, 5104-5114.	4.8	163
12	Energy-Efficient Hydrogen Separation by AB-Type Ladder Polymer Molecular Sieves. <i>Advanced Materials</i> , 2014, 26, 6696-6700.	21.0	177
13	Polyimide Membranes: Ultra-Microporous Triptycene-based Polyimide Membranes for High-Performance Gas Separation (<i>Adv. Mater.</i> 22/2014). <i>Advanced Materials</i> , 2014, 26, 3775-3775.	21.0	6
14	Ultra-Microporous Triptycene-based Polyimide Membranes for High-Performance Gas Separation. <i>Advanced Materials</i> , 2014, 26, 3688-3692.	21.0	335
15	Pure- and mixed-gas CO_2/CH_4 separation properties of PIM-1 and an amidoxime-functionalized PIM-1. <i>Journal of Membrane Science</i> , 2014, 457, 95-102.	8.2	217
16	Carbon molecular sieve gas separation membranes based on an intrinsically microporous polyimide precursor. <i>Carbon</i> , 2013, 62, 88-96.	10.3	138
17	High pressure pure- and mixed-gas separation of CO_2/CH_4 by thermally-rearranged and carbon molecular sieve membranes derived from a polyimide of intrinsic microporosity. <i>Journal of Membrane Science</i> , 2013, 447, 387-394.	8.2	148
18	Synthesis and Gas Transport Properties of Hydroxyl-Functionalized Polyimides with Intrinsic Microporosity. <i>Macromolecules</i> , 2012, 45, 3841-3849.	4.8	193

#	ARTICLE	IF	CITATIONS
19	Enhanced methanol electro-oxidation activity of PtRu catalysts supported on heteroatom-doped carbon. <i>Electrochimica Acta</i> , 2008, 53, 7622-7629.	5.2	133
20	Electrooxidations of ethanol, acetaldehyde and acetic acid using PtRuSn/C catalysts prepared by modified alcohol-reduction process. <i>Journal of Power Sources</i> , 2007, 172, 180-188.	7.8	79