

Power plant post-combustion carbon dioxide capture: A

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Nanometric thin film membranes manufactured on square meter scale: ultra-thin films for CO ₂ capture. <i>Nanotechnology</i> , 2010, 21, 395301.	1.3	202
2	Can Metal-Organic Framework Materials Play a Useful Role in Large-Scale Carbon Dioxide Separations?. <i>ChemSusChem</i> , 2010, 3, 879-891.	3.6	556
4	A High-Performance Gas Separation Membrane Containing Submicrometer-Sized Metal-Organic Framework Crystals. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9863-9866.	7.2	603
5	Carbonate-ceramic dual-phase membrane for carbon dioxide separation. <i>Journal of Membrane Science</i> , 2010, 357, 122-129.	4.1	153
6	Novel tertiary amino containing thin film composite membranes prepared by interfacial polymerization for CO ₂ capture. <i>Journal of Membrane Science</i> , 2010, 362, 265-278.	4.1	155
7	Gas permeability of cross-linked poly(ethylene-oxide) based on poly(ethylene glycol) dimethacrylate and a miscible siloxane co-monomer. <i>Polymer</i> , 2010, 51, 5734-5743.	1.8	28
8	Nanostructured membrane material designed for carbon dioxide separation. <i>Journal of Membrane Science</i> , 2010, 350, 124-129.	4.1	215
9	Influence of TRIS-based co-monomer on structure and gas transport properties of cross-linked poly(ethylene oxide). <i>Journal of Membrane Science</i> , 2010, 359, 25-36.	4.1	31
10	Multi-stage gas separation membrane processes used in post-combustion capture: Energetic and economic analyses. <i>Journal of Membrane Science</i> , 2010, 359, 160-172.	4.1	165
11	Gas separation membranes for zero-emission fossil power plants: MEM-BRAIN. <i>Journal of Membrane Science</i> , 2010, 359, 149-159.	4.1	111
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13	Greening Coal: Breakthroughs and Challenges in Carbon Capture and Storage. <i>Environmental Science & Technology</i> , 2011, 45, 8597-8604.	4.6	110
14	Liquidlike Poly(ethylene glycol) Supported in the Organic-Inorganic Matrix for CO ₂ Removal. <i>Macromolecules</i> , 2011, 44, 5268-5280.	2.2	41
15	Techno-economic evaluation of cryogenic CO ₂ capture—A comparison with absorption and membrane technology. <i>International Journal of Greenhouse Gas Control</i> , 2011, 5, 1559-1565.	2.3	116
16	Carbon capture in metal-organic frameworks—a comparative study. <i>Energy and Environmental Science</i> , 2011, 4, 2177.	15.6	354
17	Effect of End Groups and Grafting on the CO ₂ Separation Performance of Poly(ethylene) Tj ETQq1 1 0,784314 rgBT /Overle 2.2 46	2.2	46
18	Sharp separation of C ₂ /C ₃ hydrocarbon mixtures by zeolitic imidazolate framework-8 (ZIF-8) membranes synthesized in aqueous solutions. <i>Chemical Communications</i> , 2011, 47, 10275.	2.2	303
19	Understanding the High Solubility of CO ₂ in an Ionic Liquid with the Tetracyanoborate Anion. <i>Journal of Physical Chemistry B</i> , 2011, 115, 9789-9794.	1.2	132

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21	Recent developments on membranes for post-combustion carbon capture. <i>Current Opinion in Chemical Engineering</i> , 2011, 1, 47-54.	3.8	63
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23	Advancing coal conversion technologies: materials challenges. , 0, , 117-126.		0
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25	Maxwell-Stefan modeling of slowing-down effects in mixed gas permeation across porous membranes. <i>Journal of Membrane Science</i> , 2011, 383, 289-300.	4.1	78
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39	Opportunities for membranes in sustainable energy. <i>Journal of Membrane Science</i> , 2011, 373, 1-4.	4.1	8
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147	Modelling and Multi-stage Design of Membrane Processes Applied to Carbon Capture in Coal-fired Power Plants. <i>Energy Procedia</i> , 2013, 37, 932-940.	1.8	17
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152	Gas Separation Properties of Metal Organic Framework (MOF-5) Membranes. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 1102-1108.	1.8	165
153	Purification of flue gas by ionic liquids: Carbon monoxide capture in [bmim][Tf ₂ N]. <i>AIChE Journal</i> , 2013, 59, 3886-3891.	1.8	41
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