Erik Meuleman

List of Publications by Year
in descending order

17 papers	727 citations	687363 13 h-index	940533 16 g-index
17 all docs	17 docs citations	17 times ranked	752 citing authors

#	Article	IF	Citations
1	Towards Commercial Scale Postcombustion Capture of CO₂ with Monoethanolamine Solvent: Key Considerations for Solvent Management and Environmental Impacts. Environmental Science & Technology, 2012, 46, 3643-3654.	10.0	189
2	Dynamic modelling and optimisation of flexible operation in post-combustion CO2 capture plantsâ€"A review. Computers and Chemical Engineering, 2014, 61, 245-265.	3.8	126
3	Performance of MEA and amine-blends in the CSIRO PCC pilot plant at Loy Yang Power in Australia. Fuel, 2012, 101, 264-275.	6.4	106
4	Pilot-scale evaluation of AMP/PZ to capture CO2 from flue gas of an Australian brown coalâ€"fired power station. International Journal of Greenhouse Gas Control, 2014, 20, 189-195.	4.6	84
5	Flexible operation of CSIRO's post-combustion CO2 capture pilot plant at the AGL Loy Yang power station. International Journal of Greenhouse Gas Control, 2016, 48, 188-203.	4.6	47
6	Electrochemical investigation of corrosion in CO2 capture plantsâ€"Influence of amines. Electrochimica Acta, 2013, 110, 511-516.	5.2	27
7	Evaluation of methods for monitoring MEA degradation during pilot scale post-combustion capture of CO2. International Journal of Greenhouse Gas Control, 2015, 39, 407-419.	4.6	24
8	Monoethanolamine Degradation during Pilot-Scale Post-combustion Capture of CO₂ from a Brown Coal-Fired Power Station. Energy & Fuels, 2015, 29, 7441-7455.	5.1	23
9	Biological and chemical treatment technologies for waste amines from CO2 capture plants. Journal of Environmental Management, 2019, 241, 514-524.	7.8	17
10	A Novel Process Concept for the Capture of CO2 and SO2 Using a Single Solvent and Column. Energy Procedia, 2014, 63, 703-714.	1.8	14
11	Chemical Characterization of MEA Degradation in PCC pilot plants operating in Australia. Energy Procedia, 2013, 37, 877-882.	1.8	13
12	Dynamic Operation of Post-combustion CO2 Capture in Australian Coal-fired Power Plants. Energy Procedia, 2014, 63, 1368-1375.	1.8	13
13	Primary sources and accumulation rates of inorganic anions and dissolved metals in a MEA absorbent during PCC at a brown coal-fired power station. International Journal of Greenhouse Gas Control, 2015, 41, 239-248.	4.6	13
14	An SO2 tolerant process for CO2 capture. International Journal of Greenhouse Gas Control, 2014, 31, 205-213.	4.6	11
15	An Update on the Development of the CSIRO's CS-Cap Combined CO2 and SO2 Capture Process. Energy Procedia, 2017, 114, 1721-1728.	1.8	10
16	Quantification of Aqueous Monoethanolamine Concentration by Gas Chromatography for Postcombustion Capture of CO₂. Industrial & Engineering Chemistry Research, 2014, 53, 4805-4811.	3.7	9
17	Comparison of sample preparation methods for the GCâ¿¿MS analysis of monoethanolamine (MEA) degradation products generated during post-combustion capture of CO 2. International Journal of Greenhouse Gas Control, 2016, 52, 201-214.	4.6	1