Shi Su

List of Publications by Year
in descending order

25 papers	1,269 citations	516710 16 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	1541 citing authors

#	Article	IF	Citations
1	Site Trials of Ventilation Air Methane Enrichment with Two-Stage Vacuum, Temperature, and Vacuum Swing Adsorption. Industrial & Engineering Chemistry Research, 2020, 59, 15732-15741.	3.7	13
2	Site Trials and Demonstration of a Novel Pilot Ventilation Air Methane Mitigator. Energy & Fuels, 2020, 34, 9885-9893.	5.1	9
3	Ammonia Syngas Production from Coal Mine Drainage Gas with CO₂ Capture via Enrichment and Sorption-Enhanced Autothermal Reforming. Energy & Fuels, 2020, 34, 655-664.	5.1	8
4	Two-Stage Enrichment of Ventilation Air Methane with Vacuum, Temperature, and Vacuum Swing Adsorption (VTVSA) Processes. Industrial & Engineering Chemistry Research, 2019, 58, 21700-21707.	3.7	6
5	Biomass-derived carbon composites for enrichment of dilute methane from underground coal mines. Journal of Environmental Management, 2018, 217, 373-380.	7.8	6
6	Improved catalytic combustion of methane using CuO nanobelts with predominantly (001) surfaces. Beilstein Journal of Nanotechnology, 2018, 9, 2526-2532.	2.8	12
7	Application of integrated forward and reverse osmosis for coal mine wastewater desalination. Separation and Purification Technology, 2016, 163, 181-188.	7.9	64
8	Preparation optimization of carbon nanotube/carbon fiber incorporated carbon composite monoliths for high CO₂ adsorption capacity. Asia-Pacific Journal of Chemical Engineering, 2015, 10, 842-850.	1.5	2
9	Experimental and theoretical study of the oxidation of ventilation air methane over Fe₂O₃ and CuO. Physical Chemistry Chemical Physics, 2015, 17, 16277-16284.	2.8	23
10	A 25ÂkWe low concentration methane catalytic combustion gas turbine prototype unit. Energy, 2015, 79, 428-438.	8.8	25
11	Expanded graphite/phenolic resin-based carbon composite adsorbents for post-combustion CO2 capture. RSC Advances, 2015, 5, 62604-62610.	3.6	10
12	A site trial demonstration of CO 2 capture from real flue gas by novel carbon fibre composite monolith adsorbents. International Journal of Greenhouse Gas Control, 2015, 42, 415-423.	4.6	10
13	Enrichment of Ventilation Air Methane (VAM) with Carbon Fiber Composites. Environmental Science & Technology, 2014, 48, 6043-6049.	10.0	32
14	Application of carbon fibre composites to CO2 capture from flue gas. International Journal of Greenhouse Gas Control, 2013, 13, 191-200.	4.6	51
15	Macadamia nut shell-derived carbon composites for post combustion CO2 capture. International Journal of Greenhouse Gas Control, 2013, 19, 174-182.	4.6	83
16	Carbon nanotube modified carbon composite monoliths as superior adsorbents for carbon dioxide capture. Energy and Environmental Science, 2013, 6, 2591.	30.8	87
17	Coal mine site investigation of wastewater quality in Australia. Desalination and Water Treatment, 2011, 32, 357-364.	1.0	18
18	Fugitive coal mine methane emissions at five mining areas in China. Atmospheric Environment, 2011, 45, 2220-2232.	4.1	45

#	Article	IF	Citations
19	CO2 capture by electrothermal swing adsorption with activated carbon fibre materials. International Journal of Greenhouse Gas Control, 2011, 5, 16-25.	4.6	114
20	Thermodynamic characteristics of a low concentration methane catalytic combustion gas turbine. Applied Energy, 2010, 87, 2102-2108.	10.1	41
21	Post combustion CO2 capture by carbon fibre monolithic adsorbents. Progress in Energy and Combustion Science, 2009, 35, 438-455.	31.2	201
22	Carbon fibre composite for ventilation air methane (VAM) capture. Journal of Hazardous Materials, 2009, 172, 1505-1511.	12.4	27
23	CO2 capture capacities of activated carbon fibre-phenolic resin composites. Carbon, 2009, 47, 2396-2405.	10.3	73
24	Characteristics of coal mine ventilation air flows. Journal of Environmental Management, 2008, 86, 44-62.	7.8	79
25	An assessment of mine methane mitigation and utilisation technologies. Progress in Energy and Combustion Science, 2005, 31, 123-170.	31.2	230