

Shi Su

List of Publications by Year in descending order

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Version: 2024-02-01

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	An assessment of mine methane mitigation and utilisation technologies. <i>Progress in Energy and Combustion Science</i> , 2005, 31, 123-170.	31.2	230
2	Post combustion CO ₂ capture by carbon fibre monolithic adsorbents. <i>Progress in Energy and Combustion Science</i> , 2009, 35, 438-455.	31.2	201
3	CO ₂ capture by electrothermal swing adsorption with activated carbon fibre materials. <i>International Journal of Greenhouse Gas Control</i> , 2011, 5, 16-25.	4.6	114
4	Carbon nanotube modified carbon composite monoliths as superior adsorbents for carbon dioxide capture. <i>Energy and Environmental Science</i> , 2013, 6, 2591.	30.8	87
5	Macadamia nut shell-derived carbon composites for post combustion CO ₂ capture. <i>International Journal of Greenhouse Gas Control</i> , 2013, 19, 174-182.	4.6	83
6	Characteristics of coal mine ventilation air flows. <i>Journal of Environmental Management</i> , 2008, 86, 44-62.	7.8	79
7	CO ₂ capture capacities of activated carbon fibre-phenolic resin composites. <i>Carbon</i> , 2009, 47, 2396-2405.	10.3	73
8	Application of integrated forward and reverse osmosis for coal mine wastewater desalination. <i>Separation and Purification Technology</i> , 2016, 163, 181-188.	7.9	64
9	Application of carbon fibre composites to CO ₂ capture from flue gas. <i>International Journal of Greenhouse Gas Control</i> , 2013, 13, 191-200.	4.6	51
10	Fugitive coal mine methane emissions at five mining areas in China. <i>Atmospheric Environment</i> , 2011, 45, 2220-2232.	4.1	45
11	Thermodynamic characteristics of a low concentration methane catalytic combustion gas turbine. <i>Applied Energy</i> , 2010, 87, 2102-2108.	10.1	41
12	Enrichment of Ventilation Air Methane (VAM) with Carbon Fiber Composites. <i>Environmental Science & Technology</i> , 2014, 48, 6043-6049.	10.0	32
13	Carbon fibre composite for ventilation air methane (VAM) capture. <i>Journal of Hazardous Materials</i> , 2009, 172, 1505-1511.	12.4	27
14	A 25ÅrWe low concentration methane catalytic combustion gas turbine prototype unit. <i>Energy</i> , 2015, 79, 428-438.	8.8	25
15	Experimental and theoretical study of the oxidation of ventilation air methane over Fe ₂ O ₃ and CuO. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 16277-16284.	2.8	23
16	Coal mine site investigation of wastewater quality in Australia. <i>Desalination and Water Treatment</i> , 2011, 32, 357-364.	1.0	18
17	Site Trials of Ventilation Air Methane Enrichment with Two-Stage Vacuum, Temperature, and Vacuum Swing Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 15732-15741.	3.7	13
18	Improved catalytic combustion of methane using CuO nanobelts with predominantly (001) surfaces. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 2526-2532.	2.8	12

#	ARTICLE	IF	CITATIONS
19	Expanded graphite/phenolic resin-based carbon composite adsorbents for post-combustion CO ₂ capture. RSC Advances, 2015, 5, 62604-62610.	3.6	10
20	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
21	Site Trials and Demonstration of a Novel Pilot Ventilation Air Methane Mitigator. Energy & Fuels, 2020, 34, 9885-9893.	5.1	9
22	Ammonia Syngas Production from Coal Mine Drainage Gas with CO ₂ Capture via Enrichment and Sorption-Enhanced Autothermal Reforming. Energy & Fuels, 2020, 34, 655-664.	5.1	8
23	Biomass-derived carbon composites for enrichment of dilute methane from underground coal mines. Journal of Environmental Management, 2018, 217, 373-380.	7.8	6
24	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
25	Preparation optimization of carbon nanotube/carbon fiber incorporated carbon composite monoliths for high CO ₂ adsorption capacity. Asia-Pacific Journal of Chemical Engineering, 2015, 10, 842-850.	1.5	2