

Yu Xu

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

271
citations

933410

10
h-index

940516

16
g-index

21
all docs

21
docs citations

21
times ranked

66
citing authors

#	ARTICLE	IF	CITATIONS
1	A model for assessing the compound risk represented by spontaneous coal combustion and methane emission in a gob. <i>Journal of Cleaner Production</i> , 2020, 273, 122925.	9.3	41
2	Design and Performance Simulation of a Novel Liquid CO ₂ Cycle Refrigeration System for Heat Hazard Control in Coal Mines. <i>Journal of Thermal Science</i> , 2019, 28, 585-595.	1.9	29
3	Man-portable cooling garment with cold liquid circulation based on thermoelectric refrigeration. <i>Applied Thermal Engineering</i> , 2022, 200, 117730.	6.0	29
4	Synergetic mining of geothermal energy in deep mines: An innovative method for heat hazard control. <i>Applied Thermal Engineering</i> , 2022, 210, 118398.	6.0	29
5	Numerical analysis on the potential danger zone of compound hazard in gob under mining condition. <i>Chemical Engineering Research and Design</i> , 2021, 147, 1125-1134.	5.6	20
6	Impact of the water evaporation on the heat and moisture transfer in a high-temperature underground roadway. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101551.	5.7	20
7	Ventilation and heat exchange characteristics in high geotemperature tunnels considering buoyancy-driven flow and groundwater flow. <i>International Journal of Thermal Sciences</i> , 2022, 173, 107400.	4.9	20
8	Modeling of the dynamic behaviors of heat transfer during the construction of roadway using moving mesh. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 100958.	5.7	17
9	Numerical analysis on the evolution of CO concentration in return corner: A case study of steady U-type ventilation working face. <i>Numerical Heat Transfer; Part A: Applications</i> , 2018, 74, 1732-1746.	2.1	12
10	Numerical Analysis on the Thermal Performance in an Excavating Roadway with Auxiliary Ventilation System. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 1184.	2.6	10
11	Analysis of spatio-temporal variations of river water quality and construction of a novel cost-effective assessment model: a case study in Hong Kong. <i>Environmental Science and Pollution Research</i> , 2022, 29, 28241-28255.	5.3	7
12	The effect of oxygen supply and oxygen distribution on single-head tunnel with different altitudes under mixed ventilation. <i>Indoor and Built Environment</i> , 2022, 31, 972-987.	2.8	7
13	Study on the Oxygen Enrichment Effect of Individual Oxygen-Supply Device in a Tunnel of Plateau Mine. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5934.	2.6	6
14	Numerical Analysis of the Spontaneous Combustion Accidents of Oil Storage Tanks Containing Sulfur. <i>Processes</i> , 2021, 9, 626.	2.8	6
15	Heat hazard control in excavation engineering: Numerical simulation of heat transfer characteristics of high temperature tunnel with movable thermal insulation layer. <i>Thermal Science and Engineering Progress</i> , 2022, 34, 101393.	2.7	5
16	Research on refrigerant optimization and characteristic parameters based on thermoelectric refrigeration cooling garment. <i>Applied Thermal Engineering</i> , 2022, 212, 118606.	6.0	4
17	Study on the Optimization and Oxygen-Enrichment Effect of Ventilation Scheme in a Blind Heading of Plateau Mine. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 8717.	2.6	4
18	Increasing Oxygen Mass Fraction in Blind Headings of a Plateau Metal Mine by Oxygen Supply Duct Design: A CFD Modelling Approach. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-10.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Adaptive-weight water quality assessment and human health risk analysis for river water in Hong Kong. Environmental Science and Pollution Research, 2022, 29, 75936-75954.	5.3	2
20	Modeling of dispersion behaviors during the injection of liquid carbon dioxide in pulverized coal with experimental validation. Numerical Heat Transfer; Part A: Applications, 2020, 78, 461-478.	2.1	1
21	Experimental study on displacement of CH ₄ by liquid CO ₂ in coal seam. Combustion Science and Technology, 0, , 1-13.	2.3	0