

Xingchao Wang

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

326
citations

1040056

9
h-index

996975

15
g-index

18
all docs

18
docs citations

18
times ranked

310
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermo-economic analysis of a direct supercritical CO ₂ electric power generation system using geothermal heat. <i>Frontiers in Energy</i> , 2022, 16, 246-262.	2.3	4
2	A fast dynamic model for a large scale heat pipe embedded latent heat thermal energy storage system for optimal sizing and control. <i>Journal of Energy Storage</i> , 2022, 51, 104489.	8.1	2
3	Preliminary Component Design and Cost Estimation of a Novel Electric-Thermal Energy Storage System Using Solid Particles. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2022, 144, .	1.8	6
4	Extraction of selected rare earth elements from anthracite acid mine drainage using supercritical CO ₂ via coagulation and complexation. <i>Journal of Rare Earths</i> , 2021, 39, 83-89.	4.8	14
5	Economic Analysis of an Electric Thermal Energy Storage System Using Solid Particles for Grid Electricity Storage. , 2021, , .		4
6	A fast reduced model for a shell-and-tube based latent heat thermal energy storage heat exchanger and its application for cost optimal design by nonlinear programming. <i>International Journal of Heat and Mass Transfer</i> , 2021, 176, 121479.	4.8	9
7	Thermoeconomic analysis of a CO ₂ plume geothermal and supercritical CO ₂ Brayton combined cycle using solar energy as auxiliary heat source. <i>Journal of Cleaner Production</i> , 2020, 256, 120374.	9.3	26
8	Thermodynamic analysis and optimization of supercritical carbon dioxide Brayton cycles for use with low-grade geothermal heat sources. <i>Energy Conversion and Management</i> , 2020, 216, 112978.	9.2	50
9	Key technologies for ultra-low emissions from coal-fired power plants. , 2019, , 39-79.		9
10	An investigation on data mining and operating optimization for wet flue gas desulfurization systems. <i>Fuel</i> , 2019, 258, 116178.	6.4	30
11	Design and performance analysis of a supercritical CO ₂ (sCO ₂)-water separator for power generation systems using hot sCO ₂ from geothermal reservoirs. <i>Geothermics</i> , 2019, 81, 123-132.	3.4	14
12	Performance analysis and optimization design of an axial-flow vane separator for supercritical CO ₂ (sCO ₂)-water mixtures from geothermal reservoirs. <i>International Journal of Energy Research</i> , 2019, 43, 2327-2342.	4.5	4
13	Working fluid selection for organic Rankine cycle power generation using hot produced supercritical CO ₂ from a geothermal reservoir. <i>Applied Thermal Engineering</i> , 2019, 149, 1287-1304.	6.0	85
14	Use of hot supercritical CO ₂ produced from a geothermal reservoir to generate electric power in a gas turbine power generation system. <i>Journal of CO₂ Utilization</i> , 2018, 23, 20-28.	6.8	34
15	Maximizing Plant Efficiency While Minimizing Water Usage Through Use of a Phase Change Material-Based Cold Energy Storage System. , 2018, , .		0
16	Fully coupled wellbore-reservoir simulation of supercritical CO ₂ injection from fossil fuel power plant for heat mining from geothermal reservoirs. <i>Journal of CO₂ Utilization</i> , 2018, 27, 480-492.	6.8	21
17	Corrosion testing of metals in contact with calcium chloride hexahydrate used for thermal energy storage. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2017, 68, 1046-1056.	1.5	11
18	A Thermodynamic Model of Solar Thermal Energy Assisted Natural Gas Fired Combined Cycle (NGCC) Power Plant. <i>Energy Procedia</i> , 2016, 100, 92-97.	1.8	3