

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