

Yinfeng Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Intrinsic Mechanisms of Morphological Engineering and Carbon Doping for Improved Photocatalysis of 2D/2D Carbon Nitride Van Der Waals Heterojunction. <i>Energy and Environmental Materials</i> , 2023, 6, .	12.8	17
2	Influence of iron-containing petrochemical sludge ash on the pyrolysis of pine wood: Thermal behaviors, thermodynamic analysis, and kinetic parameters. <i>Bioresource Technology</i> , 2022, 345, 126551.	9.6	16
3	Nitrogen migration in products during the microwave-assisted hydrothermal carbonization of spirulina platensis. <i>Bioresource Technology</i> , 2022, 351, 126968.	9.6	12
4	Temperature response and thermal performance analysis of a super-long flexible thermosyphon for shallow geothermal utilization: Field test and numerical simulation. <i>International Journal of Heat and Mass Transfer</i> , 2022, 192, 122915.	4.8	10
5	CFD simulations of the mass transfer behavior of tar simulant on silicon oil in an absorber. <i>Case Studies in Thermal Engineering</i> , 2022, 34, 102059.	5.7	1
6	Nitrogen-rich soybean protein isolate derived "Self-Doping" carbon nano-onions for luminescence properties. <i>Applied Surface Science</i> , 2022, 595, 153492.	6.1	5
7	Numerical Investigation of A Novel Single-Pass All-Glass Receiver for Parabolic Trough Collector. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2021, 43, 1838-1852.	2.3	3
8	Thermal conversion behaviors, kinetics, and thermodynamics of wastewater sludge via thermogravimetric analysis, and emission characteristics from a large-scale incinerator. <i>Journal of Material Cycles and Waste Management</i> , 2021, 23, 1466-1478.	3.0	5
9	Non-thermal effect of microwave on the chemical structure and luminescence properties of biomass-derived carbon dots via hydrothermal method. <i>Applied Surface Science</i> , 2021, 552, 149503.	6.1	24
10	Numerical investigation of the heat and mass transfer performance of a two-phase closed thermosyphon based on a modified CFD model. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101155.	5.7	12
11	Numerical analysis of ground temperature response characteristics of a space-heating ground source heat pump system by utilizing super-long flexible heat pipes for heat extraction. <i>Energy and Buildings</i> , 2021, 244, 110991.	6.7	8
12	Synthesis, solution and solid-state fluorescence of nitrogen self-doped carbon dots derived from <i>Chlorella pyrenoidosa</i> . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 631, 127741.	4.7	11
13	Optical and thermal performance analysis of a micro parabolic trough collector for building integration. <i>Applied Energy</i> , 2020, 260, 114234.	10.1	15
14	Self-Confinement Created for a Uniform Ir ⁰ /Ni/SiO ₂ Catalyst with Enhanced Performances on CO ₂ Reforming of Methane. <i>Energy & Fuels</i> , 2020, 34, 111-117.	5.1	17
15	Co-pyrolysis of petrochemical sludge and sawdust for syngas production by TG-MS and fixed bed reactor. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 30232-30243.	7.1	31
16	Thermal Stability and Performance Testing of Oil-based CuO Nanofluids for Solar Thermal Applications. <i>Energies</i> , 2020, 13, 876.	3.1	14
17	Biomass-derived nitrogen self-doped carbon dots via a simple one-pot method: Physicochemical, structural, and luminescence properties. <i>Applied Surface Science</i> , 2020, 510, 145437.	6.1	83
18	CFD simulation of dynamic heat transfer behaviors in super-long thermosyphons for shallow geothermal application. <i>Applied Thermal Engineering</i> , 2020, 174, 115295.	6.0	32

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19	Operation Characteristics of a High Temperature Special Shaped Heat Pipe Used in Solar Thermochemical Reactors. <i>Heat Transfer Engineering</i> , 2019, 40, 238-246.	1.9	6
20	COSMO-based solvent selection and Aspen Plus process simulation for tar absorptive removal. <i>Applied Energy</i> , 2019, 251, 113314.	10.1	7
21	Preparation and thermal stability of a novel mid-temperature air-stable solar selective coating. <i>Applied Surface Science</i> , 2019, 487, 840-847.	6.1	6
22	Experimental and numerical investigation on heat transfer characteristics of ammonia thermosyphons at shallow geothermal temperature. <i>International Journal of Heat and Mass Transfer</i> , 2019, 136, 1147-1159.	4.8	45
23	Thermal performance of a solar high temperature thermochemical reactor powered by a solar simulator. <i>Applied Thermal Engineering</i> , 2019, 146, 881-888.	6.0	13
24	End losses minimization of linear Fresnel reflectors with a simple, two-axis mechanical tracking system. <i>Energy Conversion and Management</i> , 2018, 161, 284-293.	9.2	24
25	High quality syngas produced from the co-pyrolysis of wet sewage sludge with sawdust. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 5463-5472.	7.1	63
26	Simulation-based analysis of a ground source heat pump system using super-long flexible heat pipes coupled borehole heat exchanger during heating season. <i>Energy Conversion and Management</i> , 2018, 164, 132-143.	9.2	42
27	The effect of high temperature on syngas production by immediate pyrolysis of wet sewage sludge with sawdust. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 1783-1794.	3.6	9
28	A combined CFD/visualization investigation of heat transfer behaviors during geyser boiling in two-phase closed thermosyphon. <i>International Journal of Heat and Mass Transfer</i> , 2018, 121, 703-714.	4.8	84
29	Microwave-assisted hydrothermal carbonization of dairy manure: Chemical and structural properties of the products. <i>Energy</i> , 2018, 165, 662-672.	8.8	41
30	Thermal Performance of a Single-Pass All-Glass Parabolic Trough Receiver. <i>Journal of Energy Engineering - ASCE</i> , 2017, 143, 04016029.	1.9	5
31	A combined CFD/visualized investigation of two-phase heat and mass transfer inside a horizontal loop thermosiphon. <i>International Journal of Heat and Mass Transfer</i> , 2017, 112, 607-619.	4.8	39
32	CFD simulation of an intermediate temperature, two-phase loop thermosiphon for use as a linear solar receiver. <i>Applied Energy</i> , 2017, 207, 36-44.	10.1	33
33	Thermal analysis and optimization of an ice and snow melting system using geothermy by super-long flexible heat pipes. <i>Applied Thermal Engineering</i> , 2017, 112, 1353-1363.	6.0	61
34	Experimental investigation on startup and thermal performance of a high temperature special-shaped heat pipe coupling the flat plate heat pipe and cylindrical heat pipes. <i>Experimental Thermal and Fluid Science</i> , 2016, 77, 1-9.	2.7	34
35	Performance analysis of a novel sun-tracking CPC heat pipe evacuated tubular collector. <i>Applied Thermal Engineering</i> , 2015, 87, 381-388.	6.0	48
36	An initial investigation of the thermal-fluid characterization of a visualized loop thermosyphon. , 2015, , .		0

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37	Pyrolysis of Hailar lignite in an autogenerated steam agent. Journal of Thermal Analysis and Calorimetry, 2014, 117, 973-978.	3.6	3
38	An Environment Friendly Energy Recovery Technology: Municipal Solid Waste Gasification. , 2011, , .		3