

# Peng Sun

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

179  
citations

1307594

7  
h-index

1125743

13  
g-index

22  
all docs

22  
docs citations

22  
times ranked

62  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of ellipsoidal and regular hexahedral particles on the performance of the waste heat recovery equipment in a methanol reforming hydrogen production system. <i>International Journal of Hydrogen Energy</i> , 2023, 48, 11141-11152.	7.1	3
2	Local percolation of non-spherical particles in moving bed waste heat recovery unit for hydrogen production by methanol steam reforming. <i>International Journal of Hydrogen Energy</i> , 2022, , .	7.1	2
3	Study on dynamic heat extraction characteristics of heat exchanger tube embedded in thermal flow reverse reactor for heat recovery. <i>Chemical Engineering Research and Design</i> , 2022, 162, 846-858.	5.6	5
4	Effect of contact number on heat extraction of particle material for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2022, , .	7.1	0
5	Effects of particle sizes on performances of the multi-zone steam generator using waste heat in a bio-oil steam reforming hydrogen production system. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 18064-18072.	7.1	15
6	Effects of solid particle thermal conductivity on heat storage performance of heat storage bed. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 43, 100983.	2.7	3
7	The effect of particle arrangement on the direct heat extraction of regular packed bed with numerical simulation. <i>Energy</i> , 2021, 225, 120244.	8.8	8
8	Effects of particle contact characteristics on the performance of fast-response heat storage tank of ellipsoidal metal particle. <i>Journal of Energy Storage</i> , 2021, 44, 103393.	8.1	2
9	Effects of fin structure size on methane-steam reforming for hydrogen production in a reactor heated by waste heat. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 20465-20471.	7.1	5
10	Effect of shunt honeycomb ceramics thickness on finned tube heat transfer in VAM oxidation for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 20458-20464.	7.1	4
11	Effects of particle sizes on performances of the horizontally buried-pipe steam generator using waste heat in a bioethanol steam reforming hydrogen production system. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 20216-20222.	7.1	4
12	Effect of the single vacancy in particle pile on heat transfer performance of particle pile. <i>International Communications in Heat and Mass Transfer</i> , 2020, 119, 104914.	5.6	12
13	Heat transfer analysis of H-type finned tube embedded in packed bed for gasification to produce hydrogen. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 25109-25121.	7.1	4
14	Effect of particle characteristic parameters on the heat transfer process of double vacancy particle bed. <i>International Communications in Heat and Mass Transfer</i> , 2020, 119, 104995.	5.6	6
15	Fractal heat conduction model of semi-coke bed in waste heat recovery heat exchanger. <i>Journal of Cleaner Production</i> , 2020, 258, 120663.	9.3	7
16	Effects of particle sizes on methanol steam reforming for hydrogen production in a reactor heated by waste heat. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 5615-5622.	7.1	23
17	Modeling of fractal heat conduction of semi-coke bed in waste heat recovery steam generator for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 25240-25247.	7.1	5
18	Numerical study of heat transfer characteristics of semi-coke and steam in waste heat recovery steam generator for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 25160-25168.	7.1	6

#	ARTICLE	IF	CITATIONS
19	Dehydrogenation characteristics of lean methane in a thermal reverse-flow reactor. International Journal of Hydrogen Energy, 2019, 44, 5137-5142.	7.1	5
20	Heat transfer trait simulation of H finned tube in ventilation methane oxidation steam generator for hydrogen production. International Journal of Hydrogen Energy, 2019, 44, 5564-5572.	7.1	7
21	Heat transfer of calcined petroleum coke and heat exchange tube for calcined petroleum coke waste heat recovery. Energy, 2018, 155, 56-65.	8.8	46
22	Oxidation of lean methane in a two-chamber preheat catalytic reactor. International Journal of Hydrogen Energy, 2017, 42, 18643-18648.	7.1	7