

# Simiao Tang

## List of Publications by Year in descending order

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12  
papers

332  
citations

933447

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1199594

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12  
all docs

12  
docs citations

12  
times ranked

104  
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical analysis of segmented thermoelectric generators applied in the heat pipe cooled nuclear reactor. Applied Thermal Engineering, 2022, 204, 117949.	6.0	19
2	Thermal-electrical coupling characteristic analysis of the heat pipe cooled reactor with static thermoelectric conversion. Annals of Nuclear Energy, 2022, 168, 108870.	1.8	18
3	Thermal-hydraulic analysis of heat pipe reactor experimental device with thermoelectric generators. Progress in Nuclear Energy, 2022, 146, 104137.	2.9	4
4	Thermoelectric performance study on a heat pipe thermoelectric generator for micro nuclear reactor application. International Journal of Energy Research, 2021, 45, 12301-12316.	4.5	11
5	Experimental study on startup performance of high temperature potassium heat pipe at different inclination angles and input powers for nuclear reactor application. Annals of Nuclear Energy, 2020, 136, 107051.	1.8	66
6	Experimental investigations on start-up performance of static nuclear reactor thermal prototype. International Journal of Energy Research, 2020, 44, 3033-3048.	4.5	14
7	Numerical simulation of a small high-temperature heat pipe cooled reactor with CFD methodology. Nuclear Engineering and Design, 2020, 370, 110907.	1.7	21
8	Core thermal-hydraulic evaluation of a heat pipe cooled nuclear reactor. Annals of Nuclear Energy, 2020, 142, 107412.	1.8	40
9	Experimental investigation of a novel heat pipe thermoelectric generator for waste heat recovery and electricity generation. International Journal of Energy Research, 2020, 44, 7450-7463.	4.5	33
10	Experimental study on heat pipe thermoelectric generator for industrial high temperature waste heat recovery. Applied Thermal Engineering, 2020, 175, 115299.	6.0	70
11	Thermal-hydraulic design features of a micronuclear reactor power source applied for multipurpose. International Journal of Energy Research, 2019, 43, 4170-4183.	4.5	24
12	Transient thermal-hydraulic analysis of thermionic space reactor TOPAZ-II with modified RELAP5. Progress in Nuclear Energy, 2019, 112, 209-224.	2.9	12