

# Simiao Tang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6663007/publications.pdf>

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12  
papers

332  
citations

933447

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1199594

12  
g-index

12  
all docs

12  
docs citations

12  
times ranked

104  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Experimental study on heat pipe thermoelectric generator for industrial high temperature waste heat recovery. Applied Thermal Engineering, 2020, 175, 115299.  | 6.0 | 70        |
| 2  | 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        |
| 3  | Core thermal-hydraulic evaluation of a heat pipe cooled nuclear reactor. Annals of Nuclear Energy, 2020, 142, 107412.  | 1.8 | 40        |
| 4  | 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        |
| 5  | 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        |
| 6  | Numerical simulation of a small high-temperature heat pipe cooled reactor with CFD methodology. Nuclear Engineering and Design, 2020, 370, 110907.   | 1.7 | 21        |
| 7  | Numerical analysis of segmented thermoelectric generators applied in the heat pipe cooled nuclear reactor. Applied Thermal Engineering, 2022, 204, 117949.   | 6.0 | 19        |
| 8  | 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        |
| 9  | Experimental investigations on startup performance of static nuclear reactor thermal prototype. International Journal of Energy Research, 2020, 44, 3033-3048.   | 4.5 | 14        |
| 10 | Transient thermal-hydraulic analysis of thermionic space reactor TOPAZ-II with modified RELAP5. Progress in Nuclear Energy, 2019, 112, 209-224.  | 2.9 | 12        |
| 11 | 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        |
| 12 | Thermal-hydraulic analysis of heat pipe reactor experimental device with thermoelectric generators. Progress in Nuclear Energy, 2022, 146, 104137.   | 2.9 | 4         |