

Tae Young Kim

List of Publications by Year in descending order

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18
papers

728
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Design Optimization of Tubular Heat Exchangers for a Free-Piston Stirling Engine Based on Improved Quasi-Steady Flow Thermodynamic Model Predictions. <i>Energies</i> , 2022, 15, 3326. | 3.1 | 2 |
| 2 | Experimental investigation of optimal location of flow straightener from the aspects of power output and pressure drop characteristics of a thermoelectric generator. <i>Energy</i> , 2021, 219, 119565. | 8.8 | 20 |
| 3 | Prediction of System-Level Energy Harvesting Characteristics of a Thermoelectric Generator Operating in a Diesel Engine Using Artificial Neural Networks. <i>Energies</i> , 2021, 14, 2426. | 3.1 | 9 |
| 4 | Application of compact thermoelectric generator to hybrid electric vehicle engine operating under real vehicle operating conditions. <i>Energy Conversion and Management</i> , 2019, 201, 112150. | 9.2 | 50 |
| 5 | Waste heat recovery of diesel engine using porous medium-assisted thermoelectric generator equipped with customized thermoelectric modules. <i>Energy Conversion and Management</i> , 2019, 197, 111902. | 9.2 | 53 |
| 6 | Highly enhanced thermoelectric energy harvesting from a high-temperature heat source by boosting thermal interface conduction. <i>Energy Conversion and Management</i> , 2019, 183, 360-368. | 9.2 | 16 |
| 7 | Energy harvesting performance of hexagonal shaped thermoelectric generator for passenger vehicle applications: An experimental approach. <i>Energy Conversion and Management</i> , 2018, 160, 14-21. | 9.2 | 79 |
| 8 | Assessment of the energy recovery potential of a thermoelectric generator system for passenger vehicles under various drive cycles. <i>Energy</i> , 2018, 143, 363-371. | 8.8 | 28 |
| 9 | Effect of electrical array configuration of thermoelectric modules on waste heat recovery of thermoelectric generator. <i>Sensors and Actuators A: Physical</i> , 2017, 260, 212-219. | 4.1 | 35 |
| 10 | Experimental study of energy utilization effectiveness of thermoelectric generator on diesel engine. <i>Energy</i> , 2017, 128, 531-539. | 8.8 | 27 |
| 11 | Performance and emission characteristics of a DI diesel engine operated with diesel/DEE blended fuel. <i>Applied Thermal Engineering</i> , 2017, 121, 454-461. | 6.0 | 63 |
| 12 | Experimental and numerical study of waste heat recovery characteristics of direct contact thermoelectric generator. <i>Energy Conversion and Management</i> , 2017, 140, 273-280. | 9.2 | 38 |
| 13 | Direct contact thermoelectric generator (DCTEG): A concept for removing the contact resistance between thermoelectric modules and heat source. <i>Energy Conversion and Management</i> , 2017, 142, 20-27. | 9.2 | 58 |
| 14 | Fabrication of thermoelectric modules and heat transfer analysis on internal plate fin structures of a thermoelectric generator. <i>Energy Conversion and Management</i> , 2016, 124, 470-479. | 9.2 | 46 |
| 15 | Waste heat recovery of a diesel engine using a thermoelectric generator equipped with customized thermoelectric modules. <i>Energy Conversion and Management</i> , 2016, 124, 280-286. | 9.2 | 113 |
| 16 | Performance and emission characteristics of a high-compression-ratio diesel engine fueled with wood pyrolysis oil-butanol blended fuels. <i>Energy</i> , 2015, 93, 2241-2250. | 8.8 | 29 |
| 17 | Effects of shape and surface roughness on icing and condensation characteristics of an injector in a liquid phase LPG injection system. <i>Fuel</i> , 2014, 132, 82-92. | 6.4 | 14 |
| 18 | Fluid flow and heat transfer characteristics of cross-cut heat sinks. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 5358-5370. | 4.8 | 48 |