

# Tae Young Kim

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

728  
citations

567281

15  
h-index

888059

17  
g-index

18  
all docs

18  
docs citations

18  
times ranked

482  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
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	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
7	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
8	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
9	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
10	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
11	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
12	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
13	Experimental study of energy utilization effectiveness of thermoelectric generator on diesel engine. <i>Energy</i> , 2017, 128, 531-539.	8.8	27
14	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
15	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
16	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
17	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
18	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