

Hyun-Jin Lee

List of Publications by Year in descending order

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papers

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times ranked

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#	ARTICLE	IF	CITATIONS
1	A Review on Deep Learning Models for Forecasting Time Series Data of Solar Irradiance and Photovoltaic Power. <i>Energies</i> , 2020, 13, 6623.	3.1	112
2	Comparison of physical and machine learning models for estimating solar irradiance and photovoltaic power. <i>Renewable Energy</i> , 2021, 178, 1006-1019.	8.9	44
3	Consistent heat transfer analysis for performance evaluation of multichannel solar absorbers. <i>Solar Energy</i> , 2012, 86, 1576-1585.	6.1	31
4	Measurement and Modeling of the Emittance of Silicon Wafers with Anisotropic Roughness. <i>International Journal of Thermophysics</i> , 2007, 28, 918-933.	2.1	25
5	Validity of Hybrid Models for the Bidirectional Reflectance of Coated Rough Surfaces. <i>Journal of Thermophysics and Heat Transfer</i> , 2005, 19, 548-557.	1.6	18
6	Comparison of Solar Radiation Models to Estimate Direct Normal Irradiance for Korea. <i>Energies</i> , 2017, 10, 594.	3.1	18
7	Application of Semi-Empirical Models Based on Satellite Images for Estimating Solar Irradiance in Korea. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 3445.	2.5	15
8	Numerical analysis of hybrid photovoltaic-thermal systems utilizing different spectral bandpass filters. <i>Renewable Energy</i> , 2019, 144, 15-29.	8.9	13
9	Application of spectral beam splitting using Wavelength-Selective filters for Photovoltaic/Concentrated solar power hybrid plants. <i>Applied Thermal Engineering</i> , 2022, 201, 117823.	6.0	13
10	Measurement and Modeling of the Bidirectional Reflectance of SiO ₂ Coated Si Surfaces. <i>International Journal of Thermophysics</i> , 2006, 27, 820-839.	2.1	11
11	Machine learning-based personal thermal comfort model for electric vehicles with local infrared radiant warmers. <i>Journal of Mechanical Science and Technology</i> , 2021, 35, 3239-3247.	1.5	9
12	Development of a thermal physiological model to analyze the effect of local radiant heaters in electric vehicles. <i>Journal of Mechanical Science and Technology</i> , 2019, 33, 3577-3584.	1.5	8
13	Simple Regression Model for Estimating Reflectance Reduction due to Random Surface Roughness. <i>International Journal of Thermophysics</i> , 2019, 40, 1.	2.1	4
14	Performance Assessment of Global Horizontal Irradiance Models in All-Sky Conditions. <i>Energies</i> , 2021, 14, 7939.	3.1	4
15	Variation of Solar Photovoltaic Power Estimation due to Solar Irradiance Decomposition Models. <i>Journal of the Korean Solar Energy Society</i> , 2019, 39, 81-99.	0.4	3
16	Parametric study about performances of a solar photovoltaic/thermal hybrid using a spectral beam splitting technique. <i>Journal of Renewable and Sustainable Energy</i> , 2022, 14, .	2.0	2
17	Thermal Design of a Biohydrogen Production System Driven by Integrated Gasification Combined Cycle Waste Heat Using Dynamic Simulation. <i>Energies</i> , 2022, 15, 2976.	3.1	1
18	Performance of a Photovoltaic/Concentrated Solar Power Hybrid System Based on the Splitting of the Solar Spectrum in Korea. <i>Journal of the Korean Solar Energy Society</i> , 2020, 40, 61-67.	0.4	0