

Kyun Ho Lee

List of Publications by Year in descending order

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41
papers

473
citations

840776

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42
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docs citations

42
times ranked

392
citing authors

#	ARTICLE	IF	CITATIONS
1	Numerical case study and modeling for spreading thermal resistance and effective thermal conductivity for flat heat pipe. <i>Case Studies in Thermal Engineering</i> , 2022, 31, 101803.	5.7	9
2	Biodiesels from non-catalytic transesterification of plant oils and their performances as aviation fuels. <i>Energy Conversion and Management</i> , 2021, 244, 114479.	9.2	13
3	Micro-bubble flow simulation of dissolved air flotation process for water treatment using computational fluid dynamics technique. <i>Environmental Pollution</i> , 2020, 256, 112050.	7.5	21
4	Plume simulation of liquid apogee engine for GEO satellite using parallel DSMC method. <i>Computers and Fluids</i> , 2020, 208, 104612.	2.5	7
5	CO ₂ -Mediated catalytic pyrolysis of rice straw for syngas production and power generation. <i>Energy Conversion and Management</i> , 2020, 220, 113057.	9.2	25
6	Power generation using rice husk derived fuels from CO ₂ -assisted catalytic pyrolysis over Co/Al ₂ O ₃ . <i>Energy</i> , 2020, 206, 118143.	8.8	10
7	Decontamination of petroleum-contaminated soil via pyrolysis under carbon dioxide atmosphere. <i>Journal of Cleaner Production</i> , 2019, 236, 117724.	9.3	37
8	Application of repulsive particle swarm optimization for inverse heat conduction problem "Parameter estimations of unknown plane heat source. <i>International Journal of Heat and Mass Transfer</i> , 2019, 137, 268-279.	4.8	15
9	Numerical simulation on thermal and mass diffusion of MMH-NTO bipropellant thruster plume flow using global kinetic reaction model. <i>Aerospace Science and Technology</i> , 2019, 93, 104882.	4.8	8
10	Inverse estimation of various surface emissivity distributions using repulsive particle swarm optimization. <i>International Journal of Heat and Mass Transfer</i> , 2019, 134, 1323-1332.	4.8	4
11	Plume Behavior Study of Green FLP-106 ADN Thruster Using DSMC Method. <i>Journal of the Korean Society for Aeronautical & Space Sciences</i> , 2019, 47, 649-657.	0.1	0
12	Multi-plume flow simulation of small bipropellant thrusters using parallel DSMC method. <i>Computers and Fluids</i> , 2018, 173, 259-263.	2.5	6
13	Satellite design verification study based on thruster plume flow impingement effects using parallel DSMC method. <i>Computers and Fluids</i> , 2018, 173, 88-92.	2.5	6
14	Efficiency analysis of air-fuel and oxy-fuel combustion in a reheating furnace. <i>International Journal of Heat and Mass Transfer</i> , 2018, 121, 1364-1370.	4.8	29
15	Plume influence analysis of small bipropellant thruster on solar array of GEO satellite. <i>PLoS ONE</i> , 2018, 13, e0199667.	2.5	1
16	Inverse Analysis of Various Surface Emissivity Distributions with Particle Swarm Optimization Method. <i>Transactions of the Korean Society of Mechanical Engineers, B</i> , 2018, 42, 573-582.	0.1	0
17	Performance Improvement of Spaceborne SAR Using Antenna Pattern Synthesis Based on Quantum-Behaved Particle Swarm Optimization. <i>International Journal of Antennas and Propagation</i> , 2017, 2017, 1-12.	1.2	6
18	Comparison study of exhaust plume impingement effects of small mono- and bipropellant thrusters using parallelized DSMC method. <i>PLoS ONE</i> , 2017, 12, e0179351.	2.5	4

#	ARTICLE	IF	CITATIONS
19	Numerical comparison of exhaust plume flow behaviors of small monopropellant and bipropellant thrusters. PLoS ONE, 2017, 12, e0176423.	2.5	9
20	Exhaust Plume Behavior Study of MMH-NTO Bipropellant Thruster. Journal of the Korean Society for Aeronautical & Space Sciences, 2017, 45, 300-309.	0.1	0
21	Plume Behavior Study of Apollo Lunar Module Descent Engine Using Computational Fluid Dynamics. Journal of the Korean Society for Aeronautical & Space Sciences, 2017, 45, 766-774.	0.1	0
22	Numerical Study of Chemical Reaction for Liquid Rocket Propellant Using Equilibrium Constant. Journal of the Korean Society for Aeronautical & Space Sciences, 2016, 44, 333-342.	0.1	3
23	Performance comparison of particle swarm optimization and genetic algorithm for inverse surface radiation problem. International Journal of Heat and Mass Transfer, 2015, 88, 330-337.	4.8	33
24	Node-based spacecraft radiator design optimization. Advances in Space Research, 2015, 55, 1445-1469.	2.6	12
25	A Comparative Study of Turbulence Models for Dissolved Air Flotation Flow Analysis. Transactions of the Korean Society of Mechanical Engineers, B, 2015, 39, 617-624.	0.1	1
26	A Development Trend Study of Bipropellant Rocket Engine for Orbit Transfer and Attitude Control of Satellite. Journal of the Korean Society of Propulsion Engineers, 2015, 19, 50-60.	0.2	4
27	Development Trend of Cold Gas Propulsion System of a Simulator for Maneuvering and Attitude Control Design Verification of Spacecraft. Journal of the Korean Society of Propulsion Engineers, 2015, 19, 87-97.	0.2	0
28	Matching trajectory optimization and nonlinear tracking control for HALE. Advances in Space Research, 2014, 54, 1870-1887.	2.6	9
29	Inverse Estimation of Surface Radiation Properties Using Repulsive Particle Swarm Optimization Algorithm. Transactions of the Korean Society of Mechanical Engineers, B, 2014, 38, 747-755.	0.1	0
30	Interaction effect analysis of thruster plume on LEO satellite surface using parallel DSMC method. Computers and Fluids, 2013, 80, 333-341.	2.5	14
31	Comparative study of lunar mission requirements and onboard propulsion system performance. Progress in Aerospace Sciences, 2011, 47, 480-493.	12.1	5
32	Inverse estimation of inlet parameters in an axisymmetric cylindrical combustor with thermal radiation effect. International Journal of Heat and Mass Transfer, 2011, 54, 5386-5394.	4.8	5
33	Sensitivity analyses of satellite propulsion components with their thermal modelling. Advances in Space Research, 2011, 47, 466-479.	2.6	6
34	Lunar Orbiter Trade Study and Conceptual Design of Onboard Propulsion System. Journal of Spacecraft and Rockets, 2011, 48, 346-354.	1.9	6
35	Inverse estimation of inlet parameters in diffusion-controlled turbulent combustion in an axisymmetric combustor. International Journal of Heat and Mass Transfer, 2010, 53, 3460-3470.	4.8	3
36	Polymer-based electrospray device with multiple nozzles to minimize end effect phenomenon. Journal of Electrostatics, 2010, 68, 138-144.	1.9	31

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37	Combined Analysis of Thruster Plume Behavior in Rarefied Region by Preconditioned Navier-Stokes and DSMC Methods. Transactions of the Japan Society for Aeronautical and Space Sciences, 2009, 52, 135-143.	0.7	11
38	Inverse radiation analysis using repulsive particle swarm optimization algorithm. International Journal of Heat and Mass Transfer, 2008, 51, 2772-2783.	4.8	116
39	Fabrication and Test of Polymer-Based Electro spray Device. , 2008, , .		0
40	Pore Characteristics of Micro and Mesoporous Materials Probed with CO ₂ Adsorption Measurement at 273 K. Journal of Nanoscience and Nanotechnology, 2008, 8, 5418-5421.	0.9	1
41	The Effects of Thermosolutal Convection on Macrosegregation during Alloy Solidification. ISIJ International, 2005, 45, 1151-1159.	1.4	3