

Kyung-Chun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

253
papers

4,370
citations

117453

34
h-index

168136

53
g-index

254
all docs

254
docs citations

254
times ranked

3319
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of plaque geometry on targeted delivery of stem cells containing magnetic particles in a rigid and elastic curved artery with stenosis. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 542, 168580.	1.0	4
2	Progress and challenges on the thermal management of electrochemical energy conversion and storage technologies: Fuel cells, electrolyzers, and supercapacitors. <i>Progress in Energy and Combustion Science</i> , 2022, 88, 100966.	15.8	108
3	Design modification of two-dimensional supersonic ejector via the adjoint method. <i>Applied Thermal Engineering</i> , 2022, 200, 117674.	3.0	6
4	Three-dimensional condensation in a vertical channel filled with metal foam using a pseudo-potential lattice Boltzmann model. <i>International Journal of Thermal Sciences</i> , 2022, 172, 107352.	2.6	4
5	Prediction of supercavitation shapes for a wide range of Froude numbers. <i>International Journal of Naval Architecture and Ocean Engineering</i> , 2022, 14, 100426.	1.0	3
6	Experimental investigation on flow characteristics of compressible oscillating jet. <i>Physics of Fluids</i> , 2022, 34, .	1.6	8
7	Effects of viscoelasticity on the onset of vortex shedding and forces applied on a cylinder in unsteady flow regime. <i>Physics of Fluids</i> , 2022, 34, .	1.6	8
8	Influence of slip velocity in a two-phase bubbly jet. <i>Journal of Fluid Mechanics</i> , 2022, 935, .	1.4	2
9	Parametric study of a fluidic oscillator for heat transfer enhancement of a hot plate impinged by a sweeping jet. <i>Applied Thermal Engineering</i> , 2022, 205, 118051.	3.0	12
10	Two-dimensional visualization of oxygen concentration field at high-temperature environment using phosphor Y2O3:Eu3+. <i>Sensors and Actuators B: Chemical</i> , 2022, 364, 131884.	4.0	3
11	Experimental study of turbulent bubbly jet. Part 1. Simultaneous measurement of three-dimensional velocity fields of bubbles and water. <i>Journal of Fluid Mechanics</i> , 2022, 941, .	1.4	3
12	Visualization of supersonic free jet flow structures subjected to various temperature and pressure ratio conditions. <i>Optics and Lasers in Engineering</i> , 2022, 158, 107144.	2.0	5
13	PIV measurement of turbulent flow characteristics inside an open-cell metal foam replica. <i>Optics and Lasers in Engineering</i> , 2022, 158, 107143.	2.0	2
14	Developing mathematical modeling of the heat and mass transfer in a planar micro-combustor with detailed reaction mechanisms. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 2679-2694.	2.0	5
15	Acquisition of kHz-frequency two-dimensional surface temperature field using phosphor thermometry and proper orthogonal decomposition assisted long short-term memory neural networks. <i>International Journal of Heat and Mass Transfer</i> , 2021, 165, 120662.	2.5	15
16	Visualization of foam formation from vertically free-falling impinging water jet. <i>Journal of Visualization</i> , 2021, 24, 9-17.	1.1	2
17	Full Three-Dimensional Inverse Design Method for S-Ducts Using a New Dimensionless Flow Parameter. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1119.	1.3	3
18	Structure Generated Turbulence: Laminar Flow Through Metal Foam Replica. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 275-281.	0.3	0

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19	Misalignment Detection of a Rotating Machine Shaft Using a Support Vector Machine Learning Algorithm. <i>International Journal of Precision Engineering and Manufacturing</i> , 2021, 22, 409-416.	1.1	12
20	Assessment of a cylindrical porous radiant burner with internal combustion regime for sustainable energy: Numerical analysis of the radiant efficiency and NO production. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 43, 100974.	1.7	7
21	Assessment of a District Trigeneration Biomass Powered Double Organic Rankine Cycle as Primed Mover and Supported Cooling. <i>Energies</i> , 2021, 14, 1030.	1.6	4
22	Inverse design of 3D curved ducts using a 3D-upgraded ball-spine algorithm. <i>Inverse Problems in Science and Engineering</i> , 2021, 29, 1946-1980.	1.2	1
23	Quantitative visualization of the mixing characteristics of a multilayer static mixer by planar laser-induced fluorescence. <i>Journal of Visualization</i> , 2021, 24, 671-681.	1.1	4
24	Inverse shape design method based on pressure and shear stress for separated flow via Elastic Surface Algorithm. <i>Inverse Problems in Science and Engineering</i> , 2021, 29, 2357-2400.	1.2	1
25	Experimental study of flow structures of a solitary wave over two rectangular tandem obstacles. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	0.8	0
26	Phosphorescence-Based Flexible and Transparent Optical Temperature-Sensing Skin Capable of Operating in Extreme Environments. <i>ACS Applied Polymer Materials</i> , 2021, 3, 2461-2469.	2.0	20
27	Flow Pattern Map of Flow Boiling in a Rectangular Channel Filled with Porous Media. <i>Energies</i> , 2021, 14, 2440.	1.6	2
28	Analysis of entropy generation and thermal-hydraulic of various plate-pin fin-splitter heat recovery systems using Al ₂ O ₃ /H ₂ O nanofluid. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	4
29	Aerodynamic Inverse Design of Transonic Compressor Cascades with Stabilizing Elastic Surface Algorithm. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4845.	1.3	1
30	Sound pressure level spectrum analysis by combination of 4D PTV and ANFIS method around automotive side-view mirror models. <i>Scientific Reports</i> , 2021, 11, 11155.	1.6	4
31	Multi-purpose prediction of the various edge cut twisted tape insert characteristics: multilayer perceptron network modeling. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 2005-2020.	2.0	9
32	Time-Resolved PIV Measurements and Turbulence Characteristics of Flow Inside an Open-Cell Metal Foam. <i>Materials</i> , 2021, 14, 3566.	1.3	2
33	Development and validation of a hybrid aerodynamic design method for curved diffusers using genetic algorithm and ball-spine inverse design method. <i>AEJ - Alexandria Engineering Journal</i> , 2021, 60, 3021-3036.	3.4	12
34	Simultaneous measurement of two-dimensional temperature and strain fields based on thermographic phosphor and digital image correlation. <i>Measurement Science and Technology</i> , 2021, 32, 095204.	1.4	7
35	Simulation of methane steam reforming in a catalytic micro-reactor using a combined analytical approach and response surface methodology. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 22763-22776.	3.8	16
36	Experimental investigation of flow dynamics of oscillating jet emitted in confined and non-confined backward-facing step geometries. <i>European Journal of Mechanics, B/Fluids</i> , 2021, 88, 89-102.	1.2	5

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37	Effect of nature-inspired needle-shaped vortex generators on the aerodynamic features of a double-delta wing. <i>International Journal of Mechanical Sciences</i> , 2021, 202-203, 106502.	3.6	2
38	Experimental study on flow characteristics and heat transfer of an oscillating jet in a cross flow. <i>International Journal of Heat and Mass Transfer</i> , 2021, 173, 121208.	2.5	15
39	Effect of Metal Foam Insert Configurations on Flow Boiling Heat Transfer and Pressure Drop in a Rectangular Channel. <i>Materials</i> , 2021, 14, 4617.	1.3	1
40	Investigation of the plaque morphology effect on changes of pulsatile blood flow in a stenosed curved artery induced by an external magnetic field. <i>Computers in Biology and Medicine</i> , 2021, 135, 104600.	3.9	11
41	Effect of Infrared Oxide Catalysts on Water Splitting for Green Energy. <i>ChemElectroChem</i> , 2021, 8, 2944-2949.	1.7	6
42	A novel optimization approach for axial turbine blade cascade via combination of a continuous-curvature parameterization method and genetic algorithm. <i>Journal of Mechanical Science and Technology</i> , 2021, 35, 3989-4000.	0.7	1
43	Flow features of a new fluidic oscillator using time-resolved PIV measurement and 3D numerical simulation. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	4
44	Experimental study on flow and turbulence characteristics of bubbly jet with low void fraction. <i>International Journal of Multiphase Flow</i> , 2021, 142, 103738.	1.6	9
45	Soft computing analysis of thermohydraulic enhancement using twisted tapes in a flat-plate solar collector: Sensitivity analysis and multi-objective optimization. <i>Journal of Cleaner Production</i> , 2021, 314, 127947.	4.6	20
46	Performance assessment and multi-objective optimization of an organic Rankine cycles and vapor compression cycle based combined cooling, heating, and power system. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101457.	1.7	4
47	Investigation of interaction between solitary wave and two submerged rectangular obstacles. <i>Ocean Engineering</i> , 2021, 237, 109659.	1.9	7
48	Geometrical inlet effects on the behavior of a non-premixed fully turbulent syngas combustion; a numerical study. <i>Acta Astronautica</i> , 2021, 189, 1-9.	1.7	10
49	Rise time-based phosphor thermometry using $Mg_{4+}FGeO_{6+}:Mn^{4+}$. <i>Measurement Science and Technology</i> , 2021, 32, 015201.	1.4	12
50	Integrated Vapor Compression Chiller with Bottoming Organic Rankine Cycle and Onsite Low-Grade Renewable Energy. <i>Energies</i> , 2021, 14, 6401.	1.6	2
51	Phosphorescence-based temperature and tactile multi-functional flexible sensing skin. <i>Sensors and Actuators A: Physical</i> , 2021, 332, 113205.	2.0	2
52	Two-dimensional lifetime-based kHz surface temperature measurement technique using phosphor thermometry. <i>Applied Physics Letters</i> , 2021, 119, 244101.	1.5	4
53	Energy harvesting performance of an EDLC power generator based on pure water and glycerol mixture: analytical modeling and experimental validation. <i>Scientific Reports</i> , 2021, 11, 23426.	1.6	1
54	Multi-objective optimization of solar collector using water-based nanofluids with different types of nanoparticles. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 991-1002.	2.0	9

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55	Study on three-dimensional flow structures of a sweeping jet using time-resolved stereo particle image velocimetry. <i>Experimental Thermal and Fluid Science</i> , 2020, 110, 109945.	1.5	8
56	Heat transfer enhancement and optimization of a tube fitted with twisted tape in a fin-and-tube heat exchanger. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 1015-1027.	2.0	11
57	Lattice Boltzmann simulation of diluted gas flow inside irregular shape microchannel by two relaxation times on the basis of wall function approach. <i>Vacuum</i> , 2020, 173, 109104.	1.6	12
58	Flow characteristics of a wall-attaching oscillating jet over single-wall and double-wall geometries. <i>Experimental Thermal and Fluid Science</i> , 2020, 112, 110009.	1.5	18
59	Design of a novel vortex-based feedback fluidic oscillator with numerical evaluation. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2020, 14, 1302-1324.	1.5	6
60	The influence of kinematics of blades on the flow structure in deep dynamic stall. <i>Journal of Mechanical Science and Technology</i> , 2020, 34, 2855-2868.	0.7	2
61	Real-gas effects: The state of the art of organic Rankine cycles. <i>Journal of Cleaner Production</i> , 2020, 277, 124102.	4.6	5
62	Effects of elasticity on unsteady forced convective heat transfer of viscoelastic fluid around a cylinder in the presence of viscous dissipation. <i>Physics of Fluids</i> , 2020, 32, 083102.	1.6	3
63	Experimental and numerical study on flow characteristics and heat transfer of an oscillating jet in a channel. <i>International Journal of Heat and Fluid Flow</i> , 2020, 86, 108701.	1.1	23
64	Near-Optimal Weather Routing by Using Improved A* Algorithm. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6010.	1.3	23
65	Experimental Study on Physical Behavior of Fluidic Oscillator in a Confined Cavity with Sudden Expansion. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8668.	1.3	7
66	Energy determines multiple stability in time-delayed systems. <i>Nonlinear Dynamics</i> , 2020, 102, 2399-2416.	2.7	8
67	Effect of hydrogen addition on conjugate heat transfer in a planar micro-combustor with the detailed reaction mechanism: An analytical approach. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 15425-15440.	3.8	23
68	Robotic PTV study of the flow around automotive side-view mirror models. <i>Experimental Thermal and Fluid Science</i> , 2020, 119, 110202.	1.5	6
69	Jet impingement using an adjustable spreading-angle sweeping jet. <i>Aerospace Science and Technology</i> , 2020, 105, 105956.	2.5	18
70	Evaluation of aerodynamic performance enhancement of RisÅ_B1 airfoil with an optimized cavity by PIV measurement. <i>Journal of Visualization</i> , 2020, 23, 591-603.	1.1	8
71	A novel self-seeding method for particle image velocimetry measurements of subsonic and supersonic flows. <i>Scientific Reports</i> , 2020, 10, 10834.	1.6	3
72	Experimental study on heat transfer and flow structures of feedback-free sweeping jet impinging on a flat surface. <i>International Journal of Heat and Mass Transfer</i> , 2020, 159, 120085.	2.5	17

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73	Cylindrical porous radiant burner with internal combustion regime: Energy saving analysis using response surface method. <i>Energy</i> , 2020, 207, 118231.	4.5	16
74	Visualization of nanofluid flow field by adaptive-network-based fuzzy inference system (ANFIS) with cubic interpolation particle approach. <i>Journal of Visualization</i> , 2020, 23, 259-267.	1.1	7
75	The influence of cubic real-gas equations of state in the supersonic regime of dense gases. <i>Journal of Mechanical Science and Technology</i> , 2020, 34, 1581-1589.	0.7	2
76	Aerodynamic performance improvement of wind turbine blade by cavity shape optimization. <i>Renewable Energy</i> , 2019, 132, 773-785.	4.3	26
77	Time-resolved turbulent velocity field reconstruction using a long short-term memory (LSTM)-based artificial intelligence framework. <i>Physics of Fluids</i> , 2019, 31, .	1.6	73
78	Flow-pattern-based experimental analysis of convective boiling heat transfer in a rectangular channel filled with open-cell metallic random porous media. <i>International Journal of Heat and Mass Transfer</i> , 2019, 142, 118402.	2.5	17
79	An experimental study on the flow and heat transfer of an impinging synthetic jet. <i>International Journal of Heat and Mass Transfer</i> , 2019, 144, 118626.	2.5	25
80	Effect of acicular vortex generators on the aerodynamic features of a slender delta wing. <i>Aerospace Science and Technology</i> , 2019, 86, 327-340.	2.5	16
81	Speed Control for Turbine-Generator of ORC Power Generation System and Experimental Implementation. <i>Energies</i> , 2019, 12, 200.	1.6	5
82	Investigation of naturally ventilated shavadoons component: Architectural underground pattern on ventilation. <i>Tunnelling and Underground Space Technology</i> , 2019, 91, 102990.	3.0	6
83	Experimental and numerical investigation of three-dimensional vortex structures of a pitching airfoil at a transitional Reynolds number. <i>Chinese Journal of Aeronautics</i> , 2019, 32, 2254-2266.	2.8	18
84	Effects of coarse riblets on air flow structures over a slender delta wing using particle image velocimetry. <i>Chinese Journal of Aeronautics</i> , 2019, 32, 1367-1379.	2.8	3
85	12th International Symposium on Particle Image Velocimetry (PIV 2017). <i>Measurement Science and Technology</i> , 2019, 30, 020102.	1.4	0
86	Secondary flow mixing of neutralizing reagent induced by U-bent de-ballast pipes. <i>Journal of Mechanical Science and Technology</i> , 2019, 33, 2161-2167.	0.7	1
87	Performance assessment and multi objective optimization of an Organic Rankine Cycle driven cooling air conditioning system. <i>Energy and Buildings</i> , 2019, 191, 13-30.	3.1	23
88	Flow and surface pressure field measurements on a circular cylinder with impingement of turbulent round jet. <i>Experimental Thermal and Fluid Science</i> , 2019, 105, 67-76.	1.5	10
89	Measurement of two-dimensional heat transfer and flow characteristics of an impinging sweeping jet. <i>International Journal of Heat and Mass Transfer</i> , 2019, 136, 415-426.	2.5	50
90	Estimating the non-uniform air velocity distribution for the optimal design of a heat exchanger. <i>Applied Thermal Engineering</i> , 2019, 153, 704-714.	3.0	9

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91	Velocity field measurement on natural convection inside an automotive headlamp using time-resolved stereoscopic particle image velocimetry. <i>International Journal of Heat and Fluid Flow</i> , 2019, 77, 19-30.	1.1	9
92	De-icing of fuel/oil heat exchange systems via fuel flow direction switching device. <i>Aerospace Science and Technology</i> , 2019, 89, 77-88.	2.5	7
93	Potentials of porous materials for energy management in heat exchangers – A comprehensive review. <i>Applied Energy</i> , 2019, 243, 206-232.	5.1	144
94	Lattice Boltzmann model of percutaneous drug absorption. <i>Theoretical and Applied Mechanics Letters</i> , 2019, 9, 1-6.	1.3	3
95	An experimental study on the effect of a novel nature-inspired 3D-serrated leading edge on the aerodynamic performance of a double delta wing in the transitional flow regime. <i>Journal of Mechanical Science and Technology</i> , 2019, 33, 5913-5921.	0.7	5
96	Super-resolution reconstruction of turbulent velocity fields using a generative adversarial network-based artificial intelligence framework. <i>Physics of Fluids</i> , 2019, 31, .	1.6	115
97	An evaluation of wind turbine waste heat recovery using organic Rankine cycle. <i>Journal of Cleaner Production</i> , 2019, 214, 705-716.	4.6	33
98	Wake/shear layer interaction for low-Reynolds-number flow over multi-element airfoil. <i>Experiments in Fluids</i> , 2019, 60, 1.	1.1	12
99	An experimental study on the thermal and hydraulic characteristics of open-cell nickel and copper foams for compact heat exchangers. <i>International Journal of Heat and Mass Transfer</i> , 2019, 130, 162-174.	2.5	13
100	Microstructure and mechanical properties of Ni foam/stainless steel joint brazed using Ni-based alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 740-741, 63-70.	2.6	10
101	Three-dimensional particle behavior using defocusing method in micro-toroidal vortex generated by optoelectrokinetic flow. <i>Journal of Visualization</i> , 2018, 21, 569-583.	1.1	1
102	Effect of crossflow velocity on underwater bubble swarms. <i>International Journal of Multiphase Flow</i> , 2018, 105, 60-73.	1.6	14
103	Experimental study of square riblets effects on delta wing using smoke visualization and force measurement. <i>Journal of Visualization</i> , 2018, 21, 421-432.	1.1	4
104	A numerical comparison between ideal and dense gas flow structures in the supersonic regime for a cascade of wedge-shaped straight plates. <i>Applied Thermal Engineering</i> , 2018, 137, 774-783.	3.0	2
105	Cubic-Interpolated Pseudo-particle model to predict thermal behavior of a nanofluid. <i>Computers and Fluids</i> , 2018, 164, 102-113.	1.3	9
106	Microfluidic method for measuring viscosity using images from smartphone. <i>Optics and Lasers in Engineering</i> , 2018, 104, 237-243.	2.0	40
107	Flow Characteristics of Three-Dimensional Curved Wall Jets on a Cylinder. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2018, 140, .	0.8	17
108	Performance Analysis of Biogas-Fueled SOFC/MGT Hybrid Power System in Busan, Republic of Korea. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	5

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109	An experimental study on the characteristics of ejector-generated bubble swarms. <i>Journal of Visualization</i> , 2018, 21, 711-728.	1.1	6
110	Shape optimization of flow channels based on lattice Boltzmann method. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 2619-2627.	0.7	2
111	Characteristics of bubble-induced liquid flows in a rectangular tank. <i>Experimental Thermal and Fluid Science</i> , 2018, 97, 21-35.	1.5	14
112	Experimental study of the effect of brazed compact metal-foam evaporator in an organic Rankine cycle performance: Toward a compact ORC. <i>Energy Conversion and Management</i> , 2018, 173, 37-45.	4.4	30
113	Kelvin-cell-based metal foam heat exchanger with elliptical struts for low energy consumption. <i>Applied Thermal Engineering</i> , 2018, 144, 540-550.	3.0	37
114	Performance and Greenhouse Gas Reduction Analysis of Biogas-Fueled Solid-Oxide Fuel Cells for a Sewage Sludge and Food Waste Treatment Facility. <i>Energies</i> , 2018, 11, 600.	1.6	7
115	Design, Fabrication, and Performance Test of a 100-W Helical-Blade Vertical-Axis Wind Turbine at Low Tip-Speed Ratio. <i>Energies</i> , 2018, 11, 1517.	1.6	27
116	A model for rising bubbles interacting with crossflowing liquid. <i>International Journal of Multiphase Flow</i> , 2018, 108, 94-104.	1.6	4
117	Biomechanical Study on the Convenience of Loading and Unloading Laundry in Clothes Dryer. <i>International Journal of Precision Engineering and Manufacturing</i> , 2018, 19, 907-915.	1.1	2
118	Enhancement of momentum transfer of bubble swarms using an ejector with water injection. <i>Energy</i> , 2018, 162, 892-909.	4.5	13
119	Development of a 200-kW Organic Rankine Cycle Power System for Low-Grade Waste Heat Recovery. <i>Journal of Clean Energy Technologies</i> , 2018, 6, 121-124.	0.1	3
120	Upward gas-liquid two-phase flow after a U-bend in a large-diameter serpentine pipe. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 784-800.	2.5	22
121	Interfacial friction in upward annular gas-liquid two-phase flow in pipes. <i>Experimental Thermal and Fluid Science</i> , 2017, 84, 90-109.	1.5	48
122	Investigation of organic Rankine cycles with zeotropic mixtures as a working fluid: Advantages and issues. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 1000-1013.	8.2	124
123	Prediction of entrained droplet fraction in co-current annular gas-liquid flow in vertical pipes. <i>Experimental Thermal and Fluid Science</i> , 2017, 85, 287-304.	1.5	30
124	Temporal and spatial flow structures in a simulated vessel with stenotic lesion using time-resolved PIV technique. <i>Journal of Visualization</i> , 2017, 20, 833-845.	1.1	3
125	A new method for reducing VOCs formation during crude oil loading process. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 1701-1710.	0.7	8
126	A feasibility study of solar energy in South Korea. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 566-579.	8.2	63

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127	Two-dimensional thermographic phosphor thermometry in a cryogenic environment. <i>Measurement Science and Technology</i> , 2017, 28, 015201.	1.4	12
128	An organic Rankine cycle for two different heat sources: steam and hot water. <i>Energy Procedia</i> , 2017, 129, 883-890.	1.8	6
129	Thermoeconomic analysis of a biogas-fueled micro-gas turbine with a bottoming organic Rankine cycle for a sewage sludge and food waste treatment plant in the Republic of Korea. <i>Applied Thermal Engineering</i> , 2017, 127, 963-974.	3.0	56
130	Effect of frost on phosphorescence for thermographic phosphor thermometry. <i>Measurement Science and Technology</i> , 2017, 28, 125202.	1.4	2
131	Thermal performance of brazed metalfoam-plate heat exchanger as an evaporator for organic Rankine cycle. <i>Energy Procedia</i> , 2017, 129, 451-458.	1.8	8
132	Development of a dual optical fiber probe for the hydrodynamic investigation of a horizontal annular drive gas/liquid ejector. <i>Flow Measurement and Instrumentation</i> , 2017, 56, 45-55.	1.0	17
133	Enhancement of phase-change evaporators with zeotropic refrigerant mixture using metal foams. <i>International Journal of Heat and Mass Transfer</i> , 2017, 106, 908-919.	2.5	10
134	Experimental heat transfer and pressure drop in a metal-foam-filled tube heat exchanger. <i>Experimental Thermal and Fluid Science</i> , 2017, 82, 42-49.	1.5	44
135	A novel lifetime-based phosphor thermography using three-gate scheme and a low frame-rate camera. <i>Experimental Thermal and Fluid Science</i> , 2017, 80, 53-60.	1.5	19
136	Simultaneous measurement of temperature and velocity fields using thermographic phosphor tracer particles. <i>Journal of Visualization</i> , 2017, 20, 305-319.	1.1	16
137	Thermodynamic Performance Analysis of a Biogas-Fuelled Micro-Gas Turbine with a Bottoming Organic Rankine Cycle for Sewage Sludge and Food Waste Treatment Plants. <i>Energies</i> , 2017, 10, 275.	1.6	10
138	Aerodynamic Analysis of a Helical Vertical Axis Wind Turbine. <i>Energies</i> , 2017, 10, 575.	1.6	37
139	Characteristics of pulsatile flows in curved stenosed channels. <i>PLoS ONE</i> , 2017, 12, e0186300.	1.1	19
140	Stand-Alone Solar Organic Rankine Cycle Water Pumping System and Its Economic Viability in Nepal. <i>Sustainability</i> , 2016, 8, 18.	1.6	10
141	Comparison of lifetime-based methods for 2D phosphor thermometry in high-temperature environment. <i>Measurement Science and Technology</i> , 2016, 27, 095201.	1.4	17
142	Experimental study on single-phase heat transfer and pressure drop of refrigerants in a plate heat exchanger with metal-foam-filled channels. <i>Applied Thermal Engineering</i> , 2016, 102, 423-431.	3.0	32
143	Flow boiling visualization and heat transfer in metal-foam-filled mini tubes – Part II: Developing predictive methods for heat transfer coefficient and pressure drop. <i>International Journal of Heat and Mass Transfer</i> , 2016, 98, 868-878.	2.5	27
144	Working fluids selection and parametric optimization of an Organic Rankine Cycle coupled Vapor Compression Cycle (ORC-VCC) for air conditioning using low grade heat. <i>Energy and Buildings</i> , 2016, 129, 378-395.	3.1	75

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145	Parallel-expander Organic Rankine cycle using dual expanders with different capacities. <i>Energy</i> , 2016, 113, 204-214.	4.5	8
146	CFD study on aerodynamic power output of a 110 kW building augmented wind turbine. <i>Energy and Buildings</i> , 2016, 129, 162-173.	3.1	41
147	Performance characteristics of a 200-kW organic Rankine cycle system in a steel processing plant. <i>Applied Energy</i> , 2016, 183, 623-635.	5.1	52
148	Transient temperature field and heat transfer measurement of oblique jet impingement by thermographic phosphor. <i>International Journal of Heat and Mass Transfer</i> , 2016, 102, 691-702.	2.5	37
149	Effect of ligament hollowness on heat transfer characteristics of open-cell metal foam. <i>International Journal of Heat and Mass Transfer</i> , 2016, 102, 911-918.	2.5	35
150	Numerical investigations on flow structure and behavior of vortices in the dynamic stall of an oscillating pitching hydrofoil. <i>Ocean Engineering</i> , 2016, 127, 200-211.	1.9	51
151	Effect of surface moisture on chemically bonded phosphor for thermographic phosphor thermometry. <i>Measurement Science and Technology</i> , 2016, 27, 097003.	1.4	2
152	Effect of the wind direction on the near wake structures of an Archimedes spiral wind turbine blade. <i>Journal of Visualization</i> , 2016, 19, 653-665.	1.1	12
153	Effect of gravity vector on flow boiling heat transfer, flow pattern map, and pressure drop of R245fa refrigerant in mini tubes. <i>International Journal of Multiphase Flow</i> , 2016, 83, 202-216.	1.6	23
154	Flow boiling visualization and heat transfer in metal-foam-filled mini tubes – Part I: Flow pattern map and experimental data. <i>International Journal of Heat and Mass Transfer</i> , 2016, 98, 857-867.	2.5	39
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