

# Kwang-Yong Kim

## List of Publications by Year in descending order

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404  
papers

7,984  
citations

50170

46  
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91712

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411  
docs citations

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times ranked

3378  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of a Membraneless Microfluidic Fuel Cell with a Double-Bridge Flow Channel. <i>Energies</i> , 2022, 15, 973.	1.6	4
2	Design Optimization of a Dual-Bleeding Recirculation Channel to Enhance Operating Stability of a Transonic Axial Compressor. <i>Energies</i> , 2022, 15, 159.	1.6	3
3	Effects of the number of blades on impeller-volute interaction and flow instability of a centrifugal pump. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2022, 236, 1500-1517.	0.8	4
4	Casing treatment using oblique slots for a single-stage transonic axial compressor. <i>Journal of Physics: Conference Series</i> , 2022, 2217, 012055.	0.3	0
5	Evaluation of Hydrodynamic and Thermal Behaviour of Non-Newtonian-Nanofluid Mixing in a Chaotic Micromixer. <i>Micromachines</i> , 2022, 13, 933.	1.4	4
6	Numerical Investigation of Heat Transfer Characteristics of Pin-Fins with Roughed Endwalls in Gas Turbine Blade Internal Cooling Channels. <i>International Journal of Heat and Mass Transfer</i> , 2022, 195, 123125.	2.5	5
7	Analysis of Interaction Between Oscillating Jet Issuing from a Fluidic Oscillator and a Crossflow. <i>International Journal of Aeronautical and Space Sciences</i> , 2021, 22, 255-263.	1.0	4
8	Analysis and Design Optimization of Micromixers. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2021, , .	0.2	3
9	Effects of inlet guide vane and blade pitch angles on the performance of a submersible axial-flow pump. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2021, 235, 718-732.	0.8	5
10	A membraneless microfluidic fuel cell with a hollow flow channel and porous flow-through electrodes. <i>International Journal of Energy Research</i> , 2021, 45, 8536-8550.	2.2	10
11	Flow control using fluidic oscillators on an airfoil with a flap. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2021, 15, 377-390.	1.5	4
12	Optimization of Discrete Cavities with Guide Vanes in A Centrifugal Compressor based on A Comparative Analysis of Optimization Techniques. <i>International Journal of Aeronautical and Space Sciences</i> , 2021, 22, 514-530.	1.0	6
13	Spiral ring cavity to improve the stability of a centrifugal compressor. <i>Journal of Mechanical Science and Technology</i> , 2021, 35, 1055-1063.	0.7	0
14	Enhancement of Mixing Performance of Two-Layer Crossing Micromixer through Surrogate-Based Optimization. <i>Micromachines</i> , 2021, 12, 211.	1.4	4
15	Optimization of a Wavy Microchannel Heat Sink with Grooves. <i>Processes</i> , 2021, 9, 373.	1.3	11
16	Kinematic Measurements of Novel Chaotic Micromixers to Enhance Mixing Performances at Low Reynolds Numbers: Comparative Study. <i>Micromachines</i> , 2021, 12, 364.	1.4	6
17	Effects of Y-shaped Ribs on Heat Transfer Performance and Pressure Drop of a Solar Air Heater. <i>Transactions of the Korean Society of Mechanical Engineers, B</i> , 2021, 45, 225-235.	0.0	2
18	Recirculation-groove coupled casing treatment for a transonic axial compressor. <i>Aerospace Science and Technology</i> , 2021, 111, 106556.	2.5	22

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19	Stability Enhancement of a Single-Stage Transonic Axial Compressor Using Inclined Oblique Slots. <i>Energies</i> , 2021, 14, 2346.	1.6	3
20	Editorial for the Special Issue on Analysis, Design and Fabrication of Micromixers. <i>Micromachines</i> , 2021, 12, 533.	1.4	1
21	Flow Configurations of Membraneless Microfluidic Fuel Cells: A Review. <i>Energies</i> , 2021, 14, 3381.	1.6	10
22	Effects of Bent Outlet on Characteristics of a Fluidic Oscillator with and without External Flow. <i>Energies</i> , 2021, 14, 4342.	1.6	4
23	Effects of Bending of Fluidic Oscillators on Aerodynamic Performance of an Airfoil with a Flap. <i>Processes</i> , 2021, 9, 1429.	1.3	2
24	Effects of channel geometry and electrode architecture on reactant transportation in membraneless microfluidic fuel cells: A review. <i>Fuel</i> , 2021, 298, 120818.	3.4	34
25	Active and Passive Micromixers. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2021, , 11-34.	0.2	2
26	A Double-Bridge Channel Shape of a Membraneless Microfluidic Fuel Cell. <i>Energies</i> , 2021, 14, 6973.	1.6	2
27	Computational Analysis of Flow and Mixing in Micromixers. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2021, , 35-44.	0.2	0
28	Design Optimization of Micromixers. <i>SpringerBriefs in Applied Sciences and Technology</i> , 2021, , 45-61.	0.2	0
29	Research Progress on the Identification and Pharmacological Activity of the Active Components of the Rhododendron Species. <i>Biosciences, Biotechnology Research Asia</i> , 2021, 18, 543-565.	0.2	2
30	Mixing Enhancement of Non-Newtonian Shear-Thinning Fluid for a Kenics Micromixer. <i>Micromachines</i> , 2021, 12, 1494.	1.4	3
31	Unbalanced Split and Recombine Micromixer with Three-Dimensional Steps. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 3744-3756.	1.8	35
32	Effects of Rotor-Bleeding Airflow on Aerodynamic and Structural Performances of a Single-Stage Transonic Axial Compressor. <i>International Journal of Aeronautical and Space Sciences</i> , 2020, 21, 599-611.	1.0	13
33	Stability enhancement of a centrifugal compressor using inclined discrete cavities. <i>Aerospace Science and Technology</i> , 2020, 107, 106252.	2.5	8
34	Thermal Performance of T-shaped Obstacles in a Solar Air Heater. <i>Processes</i> , 2020, 8, 1305.	1.3	5
35	A Review of Passive Micromixers with a Comparative Analysis. <i>Micromachines</i> , 2020, 11, 455.	1.4	97
36	Numerical and Experimental Study on Mixing in Chaotic Micromixers with Crossing Structures. <i>Chemical Engineering and Technology</i> , 2020, 43, 1866-1875.	0.9	9

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37	Hydrodynamic Optimization for Design of a Submersible Axial-Flow Pump with a Swept Impeller. <i>Energies</i> , 2020, 13, 3053.	1.6	6
38	Investigation of Mixing Performance of Two-Dimensional Micromixer Using Tesla Structures with Different Shapes of Obstacles. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 3636-3643.	1.8	40
39	Effects of installation location of fluidic oscillators on aerodynamic performance of an airfoil. <i>Aerospace Science and Technology</i> , 2020, 99, 105735.	2.5	23
40	Analysis and Optimization of Staggered Partial Diffuser Vanes in a Centrifugal Pump. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2020, 142, .	0.8	5
41	Design Optimization of the Impeller and Volute of a Centrifugal Pump to Improve the Hydraulic Performance and Flow Stability. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2020, 142, .	0.8	18
42	Relationship Between Flow Instability and Performance of a Centrifugal Pump With a Volute. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2020, 142, .	0.8	8
43	Parametric Study of Guide Vanes in Discrete Cavities for Improving Stability of a Centrifugal Compressor. <i>The KSFM Journal of Fluid Machinery</i> , 2020, 23, 5-14.	0.0	0
44	Effects of the Cross-Sectional Area of a Volute on Suction Recirculation and Cavitation in a Centrifugal Pump. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2020, 142, .	0.8	10
45	Optimization of a Curved Microchannel Heat Sink with Ribs. <i>Transactions of the Korean Society of Mechanical Engineers, B</i> , 2020, 44, 33-44.	0.0	0
46	Analysis of a Two-Layer Nozzle and Diffuser Electroosmotic Micromixer. <i>Chemical Engineering and Technology</i> , 2019, 42, 2164-2170.	0.9	4
47	Shape optimization of a bended film-cooling hole to enhance cooling effectiveness. <i>Journal of Thermal Science and Technology</i> , 2019, 14, JTST0011-JTST0011.	0.6	4
48	Single and Multi-Objective Optimization of a Three-Dimensional Unbalanced Split-and-Recombine Micromixer. <i>Micromachines</i> , 2019, 10, 711.	1.4	6
49	Effects of Installation Conditions of Fluidic Oscillators on Control of Flow Separation. <i>AIAA Journal</i> , 2019, 57, 5208-5219.	1.5	17
50	Multi-objective optimization of a flow straightener in a large capacity firefighting water cannon. <i>Journal of Hydrodynamics</i> , 2019, 31, 137-144.	1.3	5
51	Three-objective optimization of a single-channel pump for wastewater treatment. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019, 240, 032010.	0.2	2
52	Performance evaluation of a converging-diverging film-cooling hole. <i>International Journal of Thermal Sciences</i> , 2019, 142, 295-304.	2.6	14
53	Hotspot management using a hybrid heat sink with stepped pin-fins. <i>Numerical Heat Transfer; Part A: Applications</i> , 2019, 75, 359-380.	1.2	20
54	Evaluation of Rotor-Stator Interface Models for the Prediction of the Hydraulic and Suction Performance of a Centrifugal Pump. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2019, 141, .	0.8	12

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55	Optimization with Surrogate Models: Flow and Heat Transfer Applications. <i>Mathematical Problems in Engineering</i> , 2019, 2019, 1-2.	0.6	0
56	Design and Verification of a Single-Channel Pump Model based on a Hybrid Optimization Technique. <i>Processes</i> , 2019, 7, 747.	1.3	10
57	Effects of Bridge-Shaped Microchannel Geometry on the Performance of a Micro Laminar Flow Fuel Cell. <i>Micromachines</i> , 2019, 10, 822.	1.4	10
58	Asymmetrical Split-and-Recombine Micromixer with Baffles. <i>Micromachines</i> , 2019, 10, 844.	1.4	23
59	Integrated vortex micro T-mixer for rapid mixing of fluids. <i>Journal of Mechanical Science and Technology</i> , 2019, 33, 5923-5931.	0.7	10
60	Hotspot Analysis of Double-Layer Microchannel Heat Sinks. <i>Heat Transfer Engineering</i> , 2019, 40, 1221-1238.	1.2	3
61	Simultaneous Optimization of Impeller and Volute of a Single-channel Pump for Wastewater Treatment. <i>International Journal of Fluid Machinery and Systems</i> , 2019, 12, 99-108.	0.5	3
62	Effects of Geometric Parameters on Hydraulic Performance of a Submersible Axial Flow Pump with Swept Impeller. <i>The KSFJ Journal of Fluid Machinery</i> , 2019, 22, 19-27.	0.0	2
63	Effects of Arrangement of the Partial Diffuser Vanes on the Hydraulic Performance of a Centrifugal Pump. <i>The KSFJ Journal of Fluid Machinery</i> , 2019, 22, 5-13.	0.0	0
64	Investigation of Unsteady Performance Characteristics of a Submersible Axial-Flow Pump for Different IGV and Blade Pitch Angles. , 2019, , .		0
65	Optimization of ring cavity in a centrifugal compressor based on comparative analysis of optimization algorithms. <i>Applied Thermal Engineering</i> , 2018, 138, 633-647.	3.0	21
66	Numerical modeling of internal flow in a fluidic oscillator. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 1041-1048.	0.7	23
67	Three-Objective Optimization of a Centrifugal Pump to Reduce Flow Recirculation and Cavitation. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2018, 140, .	0.8	43
68	Performance Analysis and Design Optimization of Gapped Pin-Fin in a Cooling Channel. <i>Heat Transfer Engineering</i> , 2018, 39, 549-567.	1.2	6
69	Film-cooling performance of converged-inlet hole shapes. <i>International Journal of Thermal Sciences</i> , 2018, 124, 196-211.	2.6	31
70	Effective mixing in a short serpentine split-and-recombination micromixer. <i>Sensors and Actuators B: Chemical</i> , 2018, 258, 381-392.	4.0	76
71	Shape optimization of a feedback-channel fluidic oscillator. <i>Engineering Applications of Computational Fluid Mechanics</i> , 2018, 12, 169-181.	1.5	22
72	Comparative analysis of flow in a fluidic oscillator using large eddy simulation and unsteady Reynolds-averaged Navier-Stokes analysis. <i>Fluid Dynamics Research</i> , 2018, 50, 065515.	0.6	9

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73	Multi-Objective Optimization of Inclined Discrete Cavities in a Centrifugal Compressor Using Hybrid Optimization Techniques. , 2018, , .		0
74	Interactional Effects of Inlet Guide Vane and Blade Angle on Hydraulic Performance Characteristics of a Submersible Axial-Flow Pump. , 2018, , .		0
75	Performance analysis of a micro laminar flow fuel cell with multiple inlets of a bridge-shaped microchannel. Journal of Power Sources, 2018, 399, 8-17.	4.0	17
76	Numerical and Experimental Study on Mixing Performances of Simple and Vortex Micro T-Mixers. Micromachines, 2018, 9, 204.	1.4	38
77	Editorial for the Special Issue on Passive Micromixers. Micromachines, 2018, 9, 250.	1.4	1
78	Performance analysis of microfluidic fuel cells with various inlet locations and multiple compartments. Energy Conversion and Management, 2018, 166, 328-336.	4.4	40
79	Multi-Objective Optimizations of a Serpentine Micromixer with Crossing Channels at Low and High Reynolds Numbers. Micromachines, 2018, 9, 110.	1.4	17
80	Hotspot thermal management using a microchannel-pinfin hybrid heat sink. International Journal of Thermal Sciences, 2018, 134, 27-39.	2.6	86
81	PERFORMANCE ANALYSIS OF DOUBLE-LAYER MICROCHANNEL HEAT SINK WITH VARIOUS MICROCHANNEL SHAPES. Heat Transfer Research, 2018, 49, 349-368.	0.9	11
82	MULTIOBJECTIVE OPTIMIZATION OF A SLIT RIB IN A RECTANGULAR COOLING CHANNEL. Heat Transfer Research, 2018, 49, 395-412.	0.9	2
83	Hydraulic Performance Characteristics of a Submersible Axial-Flow Pump with Different Angles of Inlet Guide Vane. The KSFM Journal of Fluid Machinery, 2018, 21, 34-40.	0.0	3
84	Multi-Objective Optimization for Designing a High-Efficiency and Low-Fluid-Induced-Vibration Single-Channel Pump. The KSFM Journal of Fluid Machinery, 2018, 21, 30-38.	0.0	7
85	EFFECTS OF MERIDIONAL SHAPE ON HYDRAULIC AND SUCTION PERFORMANCE OF A HIGH SPECIFIC SPEED CENTRIFUGAL PUMP. , 2018, , .		0
86	Geometric Effects of Orifice-type Multi-stage Trim on Pressure Drop and Cavitation Characteristics of a Control Valve. The KSFM Journal of Fluid Machinery, 2018, 21, 35-43.	0.0	0
87	Effects of geometric configuration of the channel and electrodes on the performance of a membraneless micro-fuel cell. Energy Conversion and Management, 2017, 136, 372-381.	4.4	49
88	Thermal-hydraulic performance of a multiple jet cooling module with a concave dimple array in a helium-cooled divertor. Fusion Engineering and Design, 2017, 114, 102-112.	1.0	3
89	Shape Optimization of a Three-Dimensional Serpentine Split-and-Recombine Micromixer. Chemical Engineering Communications, 2017, 204, 548-556.	1.5	14
90	Optimization of bobsleigh bumper shape to reduce aerodynamic drag. Journal of Wind Engineering and Industrial Aerodynamics, 2017, 164, 108-118.	1.7	13

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91	Optimization of discrete cavities in a centrifugal compressor to enhance operating stability. Aerospace Science and Technology, 2017, 68, 308-319.	2.5	28
92	Combined effects of viscous dissipation and MHD on free convection flow past a semi-infinite vertical plate with variable surface temperature in the presence of heat source. Journal of Engineering Thermophysics, 2017, 26, 113-124.	0.6	5
93	Effects of Non-axisymmetric Casing Grooves Combined with Airflow Injection on Stability Enhancement of an Axial Compressor. International Journal of Turbo and Jet Engines, 2017, .	0.3	5
94	Optimization of a Micromixer with Two-Layer Serpentine Crossing Channels at Multiple Reynolds Numbers. Chemical Engineering and Technology, 2017, 40, 2212-2220.	0.9	10
95	Aerodynamic Performances of a Centrifugal Compressor With Discrete Cavities. , 2017, , .		0
96	Effects of a Circumferential Feed-Back Channel on Aerodynamic Performance of a Single-Stage Transonic Axial Compressor. , 2017, , .		7
97	A micromixer with two-layer serpentine crossing channels having excellent mixing performance at low Reynolds numbers. Chemical Engineering Journal, 2017, 327, 268-277.	6.6	97
98	Aerodynamic Optimization of a Single-Stage Axial Compressor with Stator Shroud Air Injection. AIAA Journal, 2017, 55, 2739-2754.	1.5	18
99	Numerical Investigation on Hydrodynamic Characteristics of a Centrifugal Pump with a Double Volute at Off-Design Conditions. International Journal of Fluid Machinery and Systems, 2017, 10, 218-226.	0.5	7
100	Comparative Performance Analysis of an Electric Motor Cooling Fan with Various Inlet Vent and Blade Shapes. International Journal of Fluid Machinery and Systems, 2017, 10, 394-403.	0.5	1
101	Effects of Latin hypercube sampling on surrogate modeling and optimization. International Journal of Fluid Machinery and Systems, 2017, 10, 240-253.	0.5	34
102	Performance Analysis of Double-Layer Microchannel Heat Sinks under Non-Uniform Heating Conditions with Random Hotspots. Micromachines, 2017, 8, 54.	1.4	38
103	Parametric Study of an Electroosmotic Micromixer with Heterogeneous Charged Surface Patches. Micromachines, 2017, 8, 199.	1.4	13
104	FILM-COOLING CHARACTERISTICS OF UPSTREAM RAMP ENHANCED TURBINE BLADE SURFACE COOLING. Heat Transfer Research, 2017, 48, 969-984.	0.9	2
105	Effects of Stator Shroud Injection on the Aerodynamic Performance of a Single-Stage Transonic Axial Compressor. Transactions of the Korean Society of Mechanical Engineers, B, 2017, 41, 9-19.	0.0	4
106	Investigation on Aerodynamic Performance of a Highly-Loaded Axial Fan with Active/Passive Flow Control Using FSI Analysis. Transactions of the Korean Hydrogen and New Energy Society, 2017, 28, 113-119.	0.1	0
107	Effect of Blade Sweep on Aerodynamic Performance of A Multi-Stage Transonic Axial Fan. The KSFM Journal of Fluid Machinery, 2017, 20, 42-48.	0.0	0
108	Internal Flow Characteristics of a Centrifugal Pump with Various Specific Speeds. The KSFM Journal of Fluid Machinery, 2017, 20, 26-35.	0.0	1

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109	Optimization of a Single-Channel Pump Impeller for Wastewater Treatment. International Journal of Fluid Machinery and Systems, 2016, 9, 370-381.	0.5	19
110	Surrogate-based optimization of a cratered cylindrical hole to enhance film-cooling effectiveness. Journal of Thermal Science and Technology, 2016, 11, JTST0025-JTST0025.	0.6	14
111	Optimization of a Two-Stage Transonic Axial Fan to Enhance Aerodynamic Stability. , 2016, , .		0
112	Double-Layer Microchannel Heat Sinks With Transverse-Flow Configurations. Journal of Electronic Packaging, Transactions of the ASME, 2016, 138, .	1.2	25
113	Optimization of a regenerative blower to enhance aerodynamic and aeroacoustic performance. Journal of Mechanical Science and Technology, 2016, 30, 1197-1208.	0.7	12
114	Efficient multi-objective optimization of a boot-shaped rib in a cooling channel. International Journal of Thermal Sciences, 2016, 106, 122-133.	2.6	34
115	Microcooling system with impinging jets and a stalactite structure. Numerical Heat Transfer; Part A: Applications, 2016, 69, 1376-1389.	1.2	4
116	Evaluation of Various Channel Shapes of a Microchannel Heat Sink. International Journal of Air-Conditioning and Refrigeration, 2016, 24, 1650018.	0.8	14
117	Free convection effects on a vertical cone with variable viscosity and thermal conductivity. Journal of Applied Mechanics and Technical Physics, 2016, 57, 473-482.	0.1	6
118	High-efficiency design optimization of a centrifugal pump. Journal of Mechanical Science and Technology, 2016, 30, 3917-3927.	0.7	25
119	Parametric investigation on mixing in a micromixer with two-layer crossing channels. SpringerPlus, 2016, 5, 794.	1.2	10
120	Three-objective optimization of a centrifugal pump with double volute to minimize radial thrust at off-design conditions. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2016, 230, 598-615.	0.8	29
121	Numerical Investigation on Hydrodynamic Characteristics of a Centrifugal Pump with a Double Volute at Off-Design Conditions. IOP Conference Series: Earth and Environmental Science, 2016, 49, 032007.	0.2	1
122	High-efficiency design of a mixed-flow pump using a surrogate model. Journal of Mechanical Science and Technology, 2016, 30, 541-547.	0.7	23
123	A recommendation system based on object of the interest. , 2016, , .		0
124	Multi-objective optimization of a double-layered microchannel heat sink with temperature-dependent fluid properties. Applied Thermal Engineering, 2016, 99, 262-272.	3.0	57
125	A recommendation system based on object of the interest. , 2016, , .		0
126	Comparative study of solar air heater performance with various shapes and configurations of obstacles. Heat and Mass Transfer, 2016, 52, 2795-2811.	1.2	25

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127	Aerodynamic and aeroacoustic optimization for design of a forward-curved blades centrifugal fan. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2016, 230, 154-174.	0.8	28
128	Performance Analysis of a Microchannel Heat Sink with Various Rib Configurations. Journal of Thermophysics and Heat Transfer, 2016, 30, 782-790.	0.9	25
129	Multi-Objective Optimization of an Inverse Trapezoidal-Shaped Microchannel. Heat Transfer Engineering, 2016, 37, 571-580.	1.2	11
130	Evaluation of cooling performance of impinging jet array over various dimpled surfaces. Heat and Mass Transfer, 2016, 52, 845-854.	1.2	13
131	Optimization of a staggered jet-convex dimple array cooling system. International Journal of Thermal Sciences, 2016, 99, 161-169.	2.6	14
132	Exergetic analysis for optimization of a rotating equilateral triangular cooling channel with staggered square ribs. International Journal of Fluid Machinery and Systems, 2016, 9, 229-236.	0.5	5
133	EFFECTS OF FLUIDIC OSCILLATOR GEOMETRY ON PERFORMANCE. Journal of Computational Fluids Engineering, 2016, 21, 77-88.	0.1	3
134	Effects of Inlet Vent Shape on Aerodynamic Performance of a Low-Voltage Electric Motor Cooling Fan. The KSFM Journal of Fluid Machinery, 2016, 19, 42-49.	0.0	5
135	A Parametric Study on Inlet Duct Treatment for Improving the Operational Stability of a Centrifugal Compressor. The KSFM Journal of Fluid Machinery, 2016, 19, 12-19.	0.0	0
136	Aerodynamic Performance Analysis of a Bobsleigh Body Shape. , 2015, , .		0
137	Mixing Performance of a Serpentine Micromixer with Non-Aligned Inputs. Micromachines, 2015, 6, 842-854.	1.4	37
138	Design Optimization of a Centrifugal Fan with Splitter Blades. International Journal of Turbo and Jet Engines, 2015, 32, .	0.3	13
139	Mixing analysis in a three-dimensional serpentine split-and-recombine micromixer. Chemical Engineering Research and Design, 2015, 100, 95-103.	2.7	68
140	Optimization of Printed Circuit Heat Exchanger Using Exergy Analysis. Journal of Heat Transfer, 2015, 137, .	1.2	13
141	Multi-objective optimization of solar air heater with obstacles on absorber plate. Solar Energy, 2015, 114, 364-377.	2.9	37
142	Spent Flow Effects of Multiple Micro-Jet Impingement Cooling Models. , 2015, , .		0
143	Aerodynamic Investigation of a Single-Stage Axial Compressor With a Casing Groove and Tip Injection Using Fluid-Structure Interaction Analysis. , 2015, , .		2
144	Aerodynamic and Aeroacoustic Analyses of a Regenerative Blower. , 2015, , .		2

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145	Performance Evaluation of Various Rim-Seal Geometries. Journal of Thermophysics and Heat Transfer, 2015, 29, 263-273.	0.9	2
146	Convergent–divergent micromixer coupled with pulsatile flow. Sensors and Actuators B: Chemical, 2015, 211, 198-205.	4.0	87
147	Aerodynamic performance of transonic axial compressor with a casing groove combined with blade tip injection and ejection. Aerospace Science and Technology, 2015, 46, 176-187.	2.5	31
148	Optimization of pulsatile flow and geometry of a convergent–divergent micromixer. Chemical Engineering Journal, 2015, 281, 134-143.	6.6	37
149	Multi-objective optimization of arc-shaped ribs in the channels of 3D printed circuit heat exchanger. International Journal of Thermal Sciences, 2015, 94, 1-8.	2.6	42
150	Multiobjective Optimization of a Micromixer with Convergent–Divergent Sinusoidal Walls. Chemical Engineering Communications, 2015, 202, 1324-1334.	1.5	20
151	Multi-Objective Optimization of a Passive Micromixer Based on Periodic Variation of Velocity Profile. Chemical Engineering Communications, 2015, 202, 322-331.	1.5	31
152	Effects of Geometry of a Boot-Shaped Rib on Heat Transfer and Pressure Drop. The KSFM Journal of Fluid Machinery, 2015, 18, 66-73.	0.0	1
153	Analysis of Flow over a Gapped Pin-Fin. , 2015, , .		1
154	Geometrical Effects on Fluid Mixing of Pulsatile Flow in Convergent-Divergent Micromixer. , 2015, , .		0
155	High-Efficiency Design Technique of a Single-Channel Submersible Pump Impeller for Waste Treatment. , 2015, , .		0
156	Parametric study on aerodynamic performance of a centrifugal compressor with inlet duct treatment. , 2014, , .		1
157	Performance Characterization of Laminar Flow in Multiple Microjet Impingement Heat Sinks. Journal of Thermophysics and Heat Transfer, 2014, 28, 133-141.	0.9	9
158	Optimization of a Hybrid Double-Side Jet Impingement Cooling System for High-Power Light Emitting Diodes. Journal of Electronic Packaging, Transactions of the ASME, 2014, 136, .	1.2	3
159	A Parametric Study of the Thermal-Hydraulic Performance of a Zigzag Printed Circuit Heat Exchanger. Heat Transfer Engineering, 2014, 35, 1192-1200.	1.2	70
160	The development of object based video contents management technology for broadcasting service. , 2014, , .		0
161	Three-objective optimization of a staggered herringbone micromixer. Sensors and Actuators B: Chemical, 2014, 192, 350-360.	4.0	48
162	Flow and mixing analysis of non-Newtonian fluids in straight and serpentine microchannels. Chemical Engineering Science, 2014, 116, 263-274.	1.9	37

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163	Evaluation of heat transfer performances of various rib shapes. International Journal of Heat and Mass Transfer, 2014, 71, 275-284.	2.5	84
164	Effect of a rib on rim seal performance. International Communications in Heat and Mass Transfer, 2014, 59, 130-135.	2.9	5
165	Performance Evaluation of Various Liquid-Jet Cooling Systems. Numerical Heat Transfer; Part A: Applications, 2014, 65, 987-1006.	1.2	1
166	Optimization of the Aerodynamic and Aeroacoustic Performance of an Axial-Flow Fan. AIAA Journal, 2014, 52, 2032-2044.	1.5	47
167	Film Cooling Performance of Cylindrical Holes Embedded in a Transverse Trench. Numerical Heat Transfer; Part A: Applications, 2014, 65, 127-143.	1.2	51
168	Free convection on an inclined plate with variable viscosity and thermal diffusivity. Thermophysics and Aeromechanics, 2014, 21, 65-85.	0.1	3
169	Analysis and optimization of fan-shaped pin-fin in a rectangular cooling channel. International Journal of Heat and Mass Transfer, 2014, 72, 148-162.	2.5	46
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