

Hyung Hee Cho

List of Publications by Year in descending order

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157
papers

3,961
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126708

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55
g-index

157
all docs

157
docs citations

157
times ranked

2740
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanowires for Enhanced Boiling Heat Transfer. Nano Letters, 2009, 9, 548-553.	4.5	600
2	Hierarchical Metamaterials for Multispectral Camouflage of Infrared and Microwaves. Advanced Functional Materials, 2019, 29, 1807319.	7.8	154
3	Interfacial wicking dynamics and its impact on critical heat flux of boiling heat transfer. Applied Physics Letters, 2014, 105, .	1.5	125
4	Enhancement of Pool Boiling Heat Transfer Using Aligned Silicon Nanowire Arrays. ACS Applied Materials & Interfaces, 2017, 9, 17595-17602.	4.0	93
5	Metamaterial-Selective Emitter for Maximizing Infrared Camouflage Performance with Energy Dissipation. ACS Applied Materials & Interfaces, 2019, 11, 21250-21257.	4.0	88
6	Control of Superhydrophilicity/Superhydrophobicity using Silicon Nanowires via Electroless Etching Method and Fluorine Carbon Coatings. Langmuir, 2011, 27, 10148-10156.	1.6	82
7	Stable and uniform heat dissipation by nucleate-catalytic nanowires for boiling heat transfer. International Journal of Heat and Mass Transfer, 2014, 70, 23-32.	2.5	77
8	Local heat transfer and thermal performance on periodically dimple-protrusion patterned walls for compact heat exchangers. Energy, 2010, 35, 5357-5364.	4.5	75
9	Flow and Heat (Mass) Transfer Characteristics in an Impingement/Effusion Cooling System With Crossflow. Journal of Turbomachinery, 2003, 125, 74-82.	0.9	66
10	High-performance vertical hydrogen sensors using Pd-coated rough Si nanowires. Journal of Materials Chemistry, 2011, 21, 15935.	6.7	65
11	Flow boiling heat transfer on nanowire-coated surfaces with highly wetting liquid. Energy, 2014, 76, 428-435.	4.5	58
12	Thermoelastic damping in micro- and nanomechanical beam resonators considering size effects. International Journal of Heat and Mass Transfer, 2016, 103, 783-790.	2.5	53
13	Micro-nano hybrid structures with manipulated wettability using a two-step silicon etching on a large area. Nanoscale Research Letters, 2011, 6, 333.	3.1	48
14	Optimization of microscale vortex generators in a microchannel using advanced response surface method. International Journal of Heat and Mass Transfer, 2011, 54, 118-125.	2.5	48
15	Conjugate heat transfer on full-coverage film cooling with array jet impingements with various Biot numbers. Experimental Thermal and Fluid Science, 2017, 83, 1-8.	1.5	48
16	Augmented heat transfer with intersecting rib in rectangular channels having different aspect ratios. International Journal of Heat and Mass Transfer, 2015, 88, 357-367.	2.5	47
17	Enhancing thermal stability and uniformity in boiling heat transfer using micro-nano hybrid surfaces (MNHS). Applied Thermal Engineering, 2018, 130, 710-721.	3.0	47
18	Local Heat/Mass Transfer Characteristics on a Rotating Blade With Flat Tip in a Low-Speed Annular Cascade—Part II: Tip and Shroud. Journal of Turbomachinery, 2006, 128, 110-119.	0.9	45

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19	Effects of Hole Arrangements on Local Heat/Mass Transfer for Impingement/Effusion Cooling With Small Hole Spacing. Journal of Turbomachinery, 2008, 130, .	0.9	45
20	Post-heating effects on the physical and electrochemical capacitive properties of reduced graphene oxide paper. Journal of Materials Chemistry A, 2014, 2, 5077.	5.2	44
21	Surface roughening for hemi-wicking and its impact on convective boiling heat transfer. International Journal of Heat and Mass Transfer, 2016, 102, 1100-1107.	2.5	44
22	Enhancement of film cooling effectiveness using backward injection holes. International Journal of Thermal Sciences, 2016, 110, 314-324.	2.6	44
23	Flexible Assembled Metamaterials for Infrared and Microwave Camouflage. Advanced Optical Materials, 2022, 10, .	3.6	44
24	Local Heat/Mass Transfer With Various Rib Arrangements in Impingement/Effusion Cooling System With Crossflow. Journal of Turbomachinery, 2004, 126, 615-626.	0.9	43
25	Effect of jet direction on heat/mass transfer of rotating impingement jet. Applied Thermal Engineering, 2009, 29, 2914-2920.	3.0	40
26	Effects of Fin Shapes and Arrangements on Heat Transfer for Impingement-Effusion Cooling with Crossflow. Journal of Heat Transfer, 2007, 129, 1697-1707.	1.2	39
27	Influence of material properties on temperature and thermal stress of thermal barrier coating near a normal cooling hole. International Journal of Heat and Mass Transfer, 2011, 54, 5192-5199.	2.5	39
28	Heat/mass transfer measurement on concave surface in rotating jet impingement. Journal of Mechanical Science and Technology, 2008, 22, 1952-1958.	0.7	38
29	Influence of duct aspect ratio on heat/mass transfer in coolant passages with rotation. International Journal of Heat and Fluid Flow, 2007, 28, 357-373.	1.1	37
30	Effect of vane/blade relative position on heat transfer characteristics in a stationary turbine blade: Part 1. Tip and shroud. International Journal of Thermal Sciences, 2008, 47, 1528-1543.	2.6	37
31	Enhanced boiling heat transfer on nanowire-forested surfaces under subcooling conditions. International Journal of Heat and Mass Transfer, 2018, 120, 1020-1030.	2.5	36
32	Local Heat/Mass Transfer Characteristics on a Rotating Blade With Flat Tip in Low-Speed Annular Cascade-Part I: Near-Tip Surface. Journal of Turbomachinery, 2006, 128, 96-109.	0.9	35
33	Optimal design of transverse ribs in tubes for thermal performance enhancement. Energy, 2010, 35, 2400-2406.	4.5	35
34	Double-templated electrodeposition: Simple fabrication of micro-nano hybrid structure by electrodeposition for efficient boiling heat transfer. Applied Physics Letters, 2012, 101, .	1.5	35
35	Enhanced Boiling Heat Transfer using Self-Actuated Nanobimorphs. Nano Letters, 2018, 18, 6392-6396.	4.5	35
36	Heat/mass transfer in rotating impingement/effusion cooling with rib turbulators. International Journal of Heat and Mass Transfer, 2009, 52, 3109-3117.	2.5	33

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37	Tuning the morphology of copper nanowires by controlling the growth processes in electrodeposition. <i>Journal of Materials Chemistry</i> , 2011, 21, 17967.	6.7	33
38	Multiple Resonance Metamaterial Emitter for Deception of Infrared Emission with Enhanced Energy Dissipation. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8862-8869.	4.0	33
39	Transparent Metamaterials for Multispectral Camouflage with Thermal Management. <i>International Journal of Heat and Mass Transfer</i> , 2021, 173, 121173.	2.5	33
40	Phase-dependent thermal conductivity of Ge ₁ Sb ₄ Te ₇ and N:Ge ₁ Sb ₄ Te ₇ for phase change memory applications. <i>Journal of Applied Physics</i> , 2010, 107, 033518.	1.1	32
41	Effect of vane/blade relative position on heat transfer characteristics in a stationary turbine blade: Part 2. Blade surface. <i>International Journal of Thermal Sciences</i> , 2008, 47, 1544-1554.	2.6	30
42	Optimal design of angled rib turbulators in a cooling channel. <i>Heat and Mass Transfer</i> , 2009, 45, 1617-1625.	1.2	29
43	Heat Transfer in Rotating Channel With Inclined Pin-Fins. <i>Journal of Turbomachinery</i> , 2011, 133, .	0.9	29
44	Local heat and mass transfer measurements for multi-layered impingement/effusion cooling: Effects of pin spacing on the impingement and effusion plate. <i>International Journal of Heat and Mass Transfer</i> , 2017, 105, 712-722.	2.5	29
45	Enhanced thermal uniformity and stability in pool boiling heat transfer using ultrasonic actuation. <i>International Communications in Heat and Mass Transfer</i> , 2019, 106, 22-30.	2.9	29
46	Enhancement of flow boiling heat transfer using heterogeneous wettability patterned surfaces with varying inter-spacing. <i>International Journal of Heat and Mass Transfer</i> , 2021, 164, 120596.	2.5	29
47	Heat/Mass Transfer with Circular Pin Fins in Impingement/Effusion Cooling System with Crossflow. <i>Journal of Thermophysics and Heat Transfer</i> , 2006, 20, 728-737.	0.9	28
48	Over 95% of large-scale length uniformity in template-assisted electrodeposited nanowires by subzero-temperature electrodeposition. <i>Nanoscale Research Letters</i> , 2011, 6, 467.	3.1	28
49	Design of Multilayer Ring Emitter Based on Metamaterial for Thermophotovoltaic Applications. <i>Energies</i> , 2018, 11, 2299.	1.6	28
50	Heat transfer measurement near endwall region of first stage gas turbine nozzle having platform misalignment at combustor-turbine interface. <i>International Communications in Heat and Mass Transfer</i> , 2016, 78, 101-111.	2.9	26
51	Scalable and bendable organized mesoporous TiN films templated by using a dual-functional amphiphilic graft copolymer for solid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12497-12503.	5.2	25
52	Enhanced nucleate boiling using a reduced graphene oxide-coated micropillar. <i>International Communications in Heat and Mass Transfer</i> , 2019, 109, 104331.	2.9	25
53	Thermal design of heat-exchangeable reactors using a dry-sorbent CO ₂ capture multi-step process. <i>Energy</i> , 2015, 84, 704-713.	4.5	23
54	Conjugated heat transfer and temperature distributions in a gas turbine combustion liner under base-load operation. <i>Journal of Mechanical Science and Technology</i> , 2010, 24, 1939-1946.	0.7	21

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55	Susceptibility of combat aircraft modeled as an anisotropic source of infrared radiation. IEEE Transactions on Aerospace and Electronic Systems, 2016, 52, 2467-2476.	2.6	21
56	Hydrophobic silica composite aerogels using poly(methyl methacrylate) by rapid supercritical extraction process. Journal of Sol-Gel Science and Technology, 2017, 83, 692-697.	1.1	21
57	Influence of upper layer on measuring thermal conductivity of multilayer thin films using differential 3- ω method. Thin Solid Films, 2008, 517, 933-936.	0.8	20
58	Effect of the thermal insulation on generator and micro gas turbine system. Energy, 2013, 59, 581-589.	4.5	20
59	Flow and heat/mass transfer in a wavy duct with various corrugation angles in two dimensional flow regimes. Heat and Mass Transfer, 2008, 45, 157-165.	1.2	19
60	Single-phase convection and boiling heat transfer: Confined single and array-circular impinging jets. International Journal of Multiphase Flow, 2007, 33, 1271-1283.	1.6	18
61	Heat/Mass Transfer Characteristics in Angled Ribbed Channels With Various Bleed Ratios and Rotation Numbers. Journal of Turbomachinery, 2008, 130, .	0.9	18
62	Effect of the wake on the heat transfer of a turbine blade endwall according to relative position of the cylindrical rod. International Communications in Heat and Mass Transfer, 2018, 94, 61-70.	2.9	18
63	Enhanced boiling heat transfer on micro-structured surfaces via ultrasonic actuation. International Communications in Heat and Mass Transfer, 2020, 113, 104512.	2.9	18
64	Flexible Thermocamouflage Materials in Supersonic Flowfields with Selective Energy Dissipation. ACS Applied Materials & Interfaces, 2021, 13, 43524-43532.	4.0	18
65	Effects of cross ribs on heat/mass transfer in a two-pass rotating duct. Heat and Mass Transfer, 2004, 40, 743-755.	1.2	17
66	Local heat/mass transfer measurements on effusion plates in impingement/effusion cooling with rotation. International Journal of Heat and Mass Transfer, 2010, 53, 1373-1379.	2.5	17
67	Numerical study on thermo-hydrodynamics in the reactor internals of SMART. Nuclear Engineering and Design, 2011, 241, 2536-2543.	0.8	17
68	Energy recoverable multi-stage dry sorbent CO ₂ capture process. Energy Procedia, 2014, 63, 2266-2279.	1.8	17
69	Temperature Effects on Electromechanical Response of Deposited Piezoelectric Sensors Used in Structural Health Monitoring of Aerospace Structures. Sensors, 2019, 19, 2805.	2.1	17
70	Effect of temperature dependent material properties on thermoelastic damping in thin beams. International Journal of Heat and Mass Transfer, 2019, 139, 1031-1036.	2.5	17
71	Heat Transfer on Rotating Channel With Various Heights of Pin-Fin. , 2008, , .		16
72	Hybrid solution processed InGaO ₃ (ZnO) _m thin films with periodic layered structures and thermoelectric properties. Journal of Materials Chemistry, 2012, 22, 16312.	6.7	16

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73	Solid polymer electrolyte dye-sensitized solar cells with organized mesoporous TiO ₂ interfacial layer templated by poly(vinyl alcohol)-poly(methyl methacrylate) comb copolymer. <i>Solid State Ionics</i> , 2017, 300, 195-204.	1.3	16
74	Ti doping effects on the Seebeck coefficient and electrical conductivity of mesoporous ZnO thin film. <i>Materials Chemistry and Physics</i> , 2019, 235, 121757.	2.0	16
75	Detailed measurement of heat/mass transfer and pressure drop in a rotating two-pass duct with transverse ribs. <i>Heat and Mass Transfer</i> , 2007, 43, 801-815.	1.2	15
76	Thermoelectric Properties of Nb-Doped Ordered Mesoporous TiO ₂ . <i>Journal of Electronic Materials</i> , 2011, 40, 652-656.	1.0	15
77	Local Heat/Mass Transfer and Friction Loss Measurement in a Rotating Matrix Cooling Channel. <i>Journal of Heat Transfer</i> , 2012, 134, .	1.2	15
78	Effects of Unsteady Wake on Heat Transfer of Endwall Surface in Linear Cascade. <i>Journal of Heat Transfer</i> , 2014, 136, .	1.2	15
79	Effect of impingement jet on the full-coverage film cooling system with double layered wall. <i>Experimental Heat Transfer</i> , 2017, 30, 544-562.	2.3	15
80	Nano-inspired fluidic interactivity for boiling heat transfer: impact and criteria. <i>Scientific Reports</i> , 2016, 6, 34348.	1.6	14
81	Effects of unsteady wakes on heat transfer of blade tip and shroud. <i>International Communications in Heat and Mass Transfer</i> , 2018, 97, 125-135.	2.9	14
82	Effect of extended single/multi-jet nozzles in a fluidized bed reactor on growth of granular polysilicon. <i>Chemical Engineering Journal</i> , 2014, 248, 242-252.	6.6	13
83	Throughflow and quadratic drag effects on the onset of convection in a Forchheimer-extended Darcy porous medium layer saturated by a nanofluid. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2016, 38, 2299-2309.	0.8	13
84	Effect of the jet direction of gas nozzle on the residence time distribution of solids in circulating fluidized bed risers. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 71, 235-243.	2.7	13
85	Effects of Bleed Flow on Heat/Mass Transfer in a Rotating Rib-Roughened Channel. <i>Journal of Turbomachinery</i> , 2007, 129, 636-642.	0.9	12
86	Heat transfer and flow temperature measurements in a rotating triangular channel with various rib arrangements. <i>Heat and Mass Transfer</i> , 2009, 45, 1543-1553.	1.2	12
87	Trailing edge cooling of a gas turbine blade with perforated blockages with inclined holes. <i>International Journal of Heat and Mass Transfer</i> , 2014, 73, 9-20.	2.5	12
88	Heat/Mass transfer in a two-pass rotating rectangular duct with and without 70°-angled ribs. <i>Heat and Mass Transfer</i> , 2004, 40, 467.	1.2	11
89	Heat Transfer and Fluid Flow on Dimpled Surface With Bleed Flow. <i>Heat Transfer Engineering</i> , 2014, 35, 641-650.	1.2	11
90	Local nucleation propagation on heat transfer uniformity during subcooled convective boiling. <i>Heat and Mass Transfer</i> , 2015, 51, 1-9.	1.2	11

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91	Numerical investigation of the effects of discrete guide vanes on the control of heat transfer on the tip surface of a turbine blade. <i>International Journal of Thermal Sciences</i> , 2017, 112, 142-152.	2.6	11
92	Design of sister hole arrangements to reduce kidney vortex for film cooling enhancement. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 3981-3992.	0.7	11
93	Effect of misalignment at 2nd vane endwall on heat transfer with purge flow. <i>International Journal of Heat and Mass Transfer</i> , 2021, 170, 121034.	2.5	11
94	Multispectral Optical Confusion System: Visible to Infrared Coloration with Fractal Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 28337-28347.	4.0	11
95	Broadband radiative energy absorption using a silicon nanowire forest with silver nanoclusters for thermal energy conversion. <i>International Journal of Heat and Mass Transfer</i> , 2015, 82, 267-272.	2.5	10
96	The oxygen-deficiency-dependent Seebeck coefficient and electrical properties of mesoporous $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_x$ films. <i>Journal of Materials Chemistry A</i> , 2016, 4, 4433-4439.	5.2	10
97	Thermal performance in a rotating two-passage channel with various turning guide vanes. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 3581-3591.	0.7	10
98	Wake effects on heat transfer from a turbine blade tip with different configurations and its corresponding shroud. <i>International Communications in Heat and Mass Transfer</i> , 2021, 126, 105333.	2.9	10
99	Influence of Injection Type and Feed Arrangement on Flow and Heat Transfer in an Injection Slot. <i>Journal of Turbomachinery</i> , 2002, 124, 132-141.	0.9	9
100	Heat transfer by shock-wave/boundary layer interaction on a flat surface with a mounted cylinder. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 1764-1772.	2.5	9
101	Effect of guide wall on jet impingement cooling in blade leading edge channel. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 525-531.	0.7	9
102	Thermal-fluid characteristics on near wall of gas-solid fluidized bed reactor. <i>International Journal of Heat and Mass Transfer</i> , 2017, 114, 852-865.	2.5	9
103	Neural-Network-Assisted Optimization of Rectangular Channels with Intersecting Ribs for Enhanced Thermal Performance. <i>Heat Transfer Engineering</i> , 2020, 41, 1609-1625.	1.2	9
104	Impingement/effusion cooling with a hollow cylinder structure for additive manufacturing. <i>International Journal of Heat and Mass Transfer</i> , 2020, 155, 119786.	2.5	9
105	Detailed Heat/Mass Transfer Distributions in a Rotating Smooth Channel With Bleed Flow. <i>Journal of Heat Transfer</i> , 2007, 129, 1538-1545.	1.2	8
106	Pressure drop and thermal performance in rotating two-pass ducts with various cross rib arrangements. <i>Heat and Mass Transfer</i> , 2008, 44, 913-919.	1.2	8
107	Synthesis of organized mesoporous metal oxide films templated by amphiphilic PVA-PMMA comb copolymer. <i>RSC Advances</i> , 2016, 6, 67849-67857.	1.7	8
108	Experimental study on heat transfer performance of a two-phase single thermosyphon using HFE-7100. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 4957-4964.	0.7	8

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109	Thermal design of helium cooled divertor for reliable operation. Applied Thermal Engineering, 2017, 110, 1578-1588.	3.0	8
110	Effects of radiative local heating on metal solidification during selective laser melting for additive manufacturing. Applied Surface Science, 2019, 496, 143594.	3.1	8
111	Heat transfer from a dimple-imprint downstream of boundary-layer trip-wire. International Journal of Heat and Mass Transfer, 2021, 173, 121242.	2.5	8
112	Effect of Surfactant Concentration Variation on the Thermoelectric Properties of Mesoporous ZnO. Journal of Nanomaterials, 2013, 2013, 1-6.	1.5	7
113	Effect of various rib arrangements on heat transfer in a semicylinder channel with effusion flow. Numerical Heat Transfer; Part A: Applications, 2017, 71, 547-559.	1.2	7
114	Heat transfer and gas-solid behaviors in pneumatic transport reactor used of carbon capture system. Journal of Mechanical Science and Technology, 2017, 31, 5081-5087.	0.7	7
115	Visualization of liquid water movement on the micro sub-channels of flow paths in a proton exchange membrane fuel cell cathode separator. Journal of Mechanical Science and Technology, 2011, 25, 957-961.	0.7	6
116	Heat-Transfer Characteristics of a Non-Rotating Two-Pass Rectangular Duct With Various Guide Vanes in the Tip Turn Region. Journal of Turbomachinery, 2012, 134, .	0.9	6
117	Use of ordered mesoporous SiO ₂ as protection against thermal disturbance in phase-change memory. Applied Physics Letters, 2013, 102, 144102.	1.5	6
118	Nano-inspired smart interfaces: fluidic interactivity and its impact on heat transfer. Scientific Reports, 2017, 7, 45323.	1.6	6
119	Effect of Various Coolant Mass Flow Rates on Sealing Effectiveness of Turbine Blade Rim Seal at First Stage Gas Turbine Experimental Facility. Energies, 2020, 13, 4105.	1.6	6
120	Thermal design of dual circulating fluidized bed reactors for a large-scale CO ₂ capture system. Applied Thermal Engineering, 2020, 171, 115114.	3.0	6
121	Effects of injection type on slot film cooling for a ramjet combustor. Journal of Mechanical Science and Technology, 2009, 23, 1852-1857.	0.7	5
122	Effect of Rotation on Heat/Mass Transfer for an Impingement/Effusion Cooling System. Journal of Heat Transfer, 2010, 132, .	1.2	5
123	Thermal design of hot plate for 300-mm wafer heating in post-exposure bake. Microelectronic Engineering, 2011, 88, 3195-3198.	1.1	5
124	Material design of a film cooling system using experimental heat transfer data. International Journal of Heat and Mass Transfer, 2012, 55, 6278-6284.	2.5	5
125	All-Solution-Processed InGaO ₃ (ZnO) _m Thin Films with Layered Structure. Journal of Nanomaterials, 2013, 2013, 1-6.	1.5	5
126	Thermo-mechanical analysis of an internal cooling system with various configurations of a combustion liner after shell. Heat and Mass Transfer, 2015, 51, 1779-1790.	1.2	5

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127	Thermal Characteristics of Tube Bundles in Ultra-Supercritical Boilers. <i>Energies</i> , 2016, 9, 779.	1.6	5
128	Effects of seal installation in the mid-passage gap between turbine blade platforms on film cooling. <i>Applied Thermal Engineering</i> , 2021, 189, 116683.	3.0	5
129	Surfaces with bent micro-polymerized pillars exhibit enhanced heat transfer during subcooled flow boiling. <i>International Journal of Heat and Mass Transfer</i> , 2022, 182, 121941.	2.5	5
130	Heat (mass) transfer and friction loss in two-pass ducts with various parallel rib arrangements. <i>Heat and Mass Transfer</i> , 2009, 45, 783-792.	1.2	4
131	Enhancing radiative cooling performance using metal-dielectric-metal metamaterials. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 5107-5112.	0.7	4
132	Enhancement of cooling performance of a helium-cooled divertor through the addition of rib structures on the jet-impingement area. <i>Fusion Engineering and Design</i> , 2018, 136, 655-660.	1.0	4
133	Metamaterials: Hierarchical Metamaterials for Multispectral Camouflage of Infrared and Microwaves (Adv. Funct. Mater. 10/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970060.	7.8	4
134	Film cooling characteristics on blade platform with a leakage flow through mid-passage gap. <i>International Journal of Heat and Mass Transfer</i> , 2021, 167, 120800.	2.5	4
135	Efficient design of heat exchange for CFB reactors in CO ₂ capture system regarding geometry-induced secondary flow. <i>Energy Conversion and Management</i> , 2021, 235, 113995.	4.4	4
136	Unsteady hot gas ingestion through the double rim-seals of an axial gas turbine. <i>International Journal of Mechanical Sciences</i> , 2021, 207, 106664.	3.6	4
137	Effect of Flight Altitude on Minimal Infrared Signature of Combat Aircraft. <i>Journal of the Computational Structural Engineering Institute of Korea</i> , 2020, 33, 375-382.	0.1	4
138	Measurement of flow-induced pressure variation in a scale-down SMART model. <i>Nuclear Engineering and Design</i> , 2012, 253, 50-59.	0.8	3
139	Experimental and numerical study on local pressure distributions in a system-integrated modular reactor. <i>Annals of Nuclear Energy</i> , 2012, 47, 216-224.	0.9	3
140	Pump-induced pulsating pressure distributions in a system-integrated modular reactor. <i>Nuclear Engineering and Design</i> , 2012, 248, 216-225.	0.8	3
141	Turbulent vortex trains in narrow square arrayed rod bundles of a dual-cooled nuclear reactor. <i>Science China Technological Sciences</i> , 2013, 56, 2143-2149.	2.0	3
142	Effect of a diffuser on gas-solid behavior in CFB riser for CO ₂ capture. <i>Journal of Mechanical Science and Technology</i> , 2016, 30, 3661-3666.	0.7	3
143	Optimization of the Heating Element in a Gas-Gas Heater Using an Integrated Analysis Model. <i>Energies</i> , 2017, 10, 1932.	1.6	3
144	Nozzle-to-target distance effect on the cooling performances of a jet-impingement helium-cooled divertor. <i>Fusion Engineering and Design</i> , 2018, 136, 803-808.	1.0	3

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145	Heat Transfer near Sharp and Blunt Fins Protruded in a Supersonic Flow. , 2007, , .		2
146	Local Heat/Mass Transfer of Array Jet Impingement Cooling With Pin-Fin Heat Sinks. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2021, 11, 1768-1775.	1.4	2
147	Measurement of heat/mass transfer at second stage vane endwall according to step heights. Journal of Mechanical Science and Technology, 2021, 35, 4575-4583.	0.7	2
148	Multi-variable thermal design of T-structured phase-change memory cell using advanced response surface method. Microelectronic Engineering, 2012, 91, 1-8.	1.1	1
149	Effect of Manufacturing Tolerances on the Cooling Performance of Internal Rib Turbulated Passages. Heat Transfer Engineering, 2019, 40, 418-428.	1.2	1
150	Heat Transfer and Its Innovative Applications. Inventions, 2019, 4, 4.	1.3	1
151	Heat-Absorbing Capacity of High-Heat-Flux Components in Nuclear Fusion Reactors. Energies, 2019, 12, 3771.	1.6	1
152	Effects of tip-bleed holes on two-pass channel on heat transfer with various aspect ratios. Case Studies in Thermal Engineering, 2021, 28, 101593.	2.8	1
153	Impingement/Effusion Cooling Methods in Gas Turbine. WIT Transactions on State-of-the-art in Science and Engineering, 2014, , 125-155.	0.0	1
154	Micro cell analysis device using cellular photothermal effect and thermal sensor. , 2009, , .		0
155	Rapid fabrication of leak-free, gate-all-around ionic field-effect transistor for control of ions in nanofluidic environment. , 2012, , .		0
156	New method for evaluating the kinetic constant of thermal protection materials. Journal of Mechanical Science and Technology, 2013, 27, 1713-1719.	0.7	0
157	Energy-efficient design of dual circulating fluidized bed system for CCUS by multi-tube configuration with junctions. Energy, 2022, 245, 123258.	4.5	0