

Hyung Hee Cho

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/147934/publications.pdf>

Version: 2024-02-01

157
papers

3,961
citations

126708

33
h-index

155451

55
g-index

157
all docs

157
docs citations

157
times ranked

2740
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Energy-efficient design of dual circulating fluidized bed system for CCUS by multi-tube configuration with junctions. <i>Energy</i> , 2022, 245, 123258.	4.5	0
3	Flexible Assembled Metamaterials for Infrared and Microwave Camouflage. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	44
4	Multispectral Optical Confusion System: Visible to Infrared Coloration with Fractal Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 28337-28347.	4.0	11
5	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
6	Local Heat/Mass Transfer of Array Jet Impingement Cooling With Pin-Fin Heat Sinks. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2021, 11, 1768-1775.	1.4	2
7	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
8	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
9	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
10	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
11	Heat transfer from a dimple-imprint downstream of boundary-layer trip-wire. <i>International Journal of Heat and Mass Transfer</i> , 2021, 173, 121242.	2.5	8
12	Transparent Metamaterials for Multispectral Camouflage with Thermal Management. <i>International Journal of Heat and Mass Transfer</i> , 2021, 173, 121173.	2.5	33
13	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
14	Flexible Thermocamouflage Materials in Supersonic Flowfields with Selective Energy Dissipation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 43524-43532.	4.0	18
15	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
16	Effects of tip-bleed holes on two-pass channel on heat transfer with various aspect ratios. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101593.	2.8	1
17	Measurement of heat/mass transfer at second stage vane endwall according to step heights. <i>Journal of Mechanical Science and Technology</i> , 2021, 35, 4575-4583.	0.7	2
18	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

#	ARTICLE	IF	CITATIONS
19	Effect of Various Coolant Mass Flow Rates on Sealing Effectiveness of Turbine Blade Rim Seal at First Stage Gas Turbine Experimental Facility. <i>Energies</i> , 2020, 13, 4105.	1.6	6
20	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
21	Enhanced boiling heat transfer on micro-structured surfaces via ultrasonic actuation. <i>International Communications in Heat and Mass Transfer</i> , 2020, 113, 104512.	2.9	18
22	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
23	Thermal design of dual circulating fluidized bed reactors for a large-scale CO2 capture system. <i>Applied Thermal Engineering</i> , 2020, 171, 115114.	3.0	6
24	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
25	Effect of Manufacturing Tolerances on the Cooling Performance of Internal Rib Turbulated Passages. <i>Heat Transfer Engineering</i> , 2019, 40, 418-428.	1.2	1
26	Effects of radiative local heating on metal solidification during selective laser melting for additive manufacturing. <i>Applied Surface Science</i> , 2019, 496, 143594.	3.1	8
27	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
28	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
29	Temperature Effects on Electromechanical Response of Deposited Piezoelectric Sensors Used in Structural Health Monitoring of Aerospace Structures. <i>Sensors</i> , 2019, 19, 2805.	2.1	17
30	Effect of temperature dependent material properties on thermoelastic damping in thin beams. <i>International Journal of Heat and Mass Transfer</i> , 2019, 139, 1031-1036.	2.5	17
31	Metamaterial-Selective Emitter for Maximizing Infrared Camouflage Performance with Energy Dissipation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 21250-21257.	4.0	88
32	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
33	Metamaterials: Hierarchical Metamaterials for Multispectral Camouflage of Infrared and Microwaves (<i>Adv. Funct. Mater.</i> 10/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970060.	7.8	4
34	Heat Transfer and Its Innovative Applications. <i>Inventions</i> , 2019, 4, 4.	1.3	1
35	Heat-Absorbing Capacity of High-Heat-Flux Components in Nuclear Fusion Reactors. <i>Energies</i> , 2019, 12, 3771.	1.6	1
36	Hierarchical Metamaterials for Multispectral Camouflage of Infrared and Microwaves. <i>Advanced Functional Materials</i> , 2019, 29, 1807319.	7.8	154

#	ARTICLE	IF	CITATIONS
37	Effect of the wake on the heat transfer of a turbine blade endwall according to relative position of the cylindrical rod. <i>International Communications in Heat and Mass Transfer</i> , 2018, 94, 61-70.	2.9	18
38	Enhanced boiling heat transfer on nanowire-forested surfaces under subcooling conditions. <i>International Journal of Heat and Mass Transfer</i> , 2018, 120, 1020-1030.	2.5	36
39	Enhancing thermal stability and uniformity in boiling heat transfer using micro-nano hybrid surfaces (MNHS). <i>Applied Thermal Engineering</i> , 2018, 130, 710-721.	3.0	47
40	Design of Multilayer Ring Emitter Based on Metamaterial for Thermophotovoltaic Applications. <i>Energies</i> , 2018, 11, 2299.	1.6	28
41	Enhanced Boiling Heat Transfer using Self-Actuated Nanobimorphs. <i>Nano Letters</i> , 2018, 18, 6392-6396.	4.5	35
42	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
43	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
44	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
45	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
46	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
47	Enhancement of Pool Boiling Heat Transfer Using Aligned Silicon Nanowire Arrays. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17595-17602.	4.0	93
48	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
49	Hydrophobic silica composite aerogels using poly(methyl methacrylate) by rapid supercritical extraction process. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 83, 692-697.	1.1	21
50	Nano-inspired smart interfaces: fluidic interactivity and its impact on heat transfer. <i>Scientific Reports</i> , 2017, 7, 45323.	1.6	6
51	Effect of various rib arrangements on heat transfer in a semicylinder channel with effusion flow. <i>Numerical Heat Transfer; Part A: Applications</i> , 2017, 71, 547-559.	1.2	7
52	Conjugate heat transfer on full-coverage film cooling with array jet impingements with various Biot numbers. <i>Experimental Thermal and Fluid Science</i> , 2017, 83, 1-8.	1.5	48
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	Heat transfer and gas-solid behaviors in pneumatic transport reactor used of carbon capture system. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 5081-5087.	0.7	7
56	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
57	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
58	Thermal design of helium cooled divertor for reliable operation. <i>Applied Thermal Engineering</i> , 2017, 110, 1578-1588.	3.0	8
59	Enhancing radiative cooling performance using metal-dielectric-metal metamaterials. <i>Journal of Mechanical Science and Technology</i> , 2017, 31, 5107-5112.	0.7	4
60	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
61	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
62	Optimization of the Heating Element in a Gas-Gas Heater Using an Integrated Analysis Model. <i>Energies</i> , 2017, 10, 1932.	1.6	3
63	Thermal Characteristics of Tube Bundles in Ultra-Supercritical Boilers. <i>Energies</i> , 2016, 9, 779.	1.6	5
64	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
65	Susceptibility of combat aircraft modeled as an anisotropic source of infrared radiation. <i>IEEE Transactions on Aerospace and Electronic Systems</i> , 2016, 52, 2467-2476.	2.6	21
66	Thermoelastic damping in micro- and nanomechanical beam resonators considering size effects. <i>International Journal of Heat and Mass Transfer</i> , 2016, 103, 783-790.	2.5	53
67	Surface roughening for hemi-wicking and its impact on convective boiling heat transfer. <i>International Journal of Heat and Mass Transfer</i> , 2016, 102, 1100-1107.	2.5	44
68	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
69	Enhancement of film cooling effectiveness using backward injection holes. <i>International Journal of Thermal Sciences</i> , 2016, 110, 314-324.	2.6	44
70	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
71	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
72	Nano-inspired fluidic interactivity for boiling heat transfer: impact and criteria. <i>Scientific Reports</i> , 2016, 6, 34348.	1.6	14

#	ARTICLE	IF	CITATIONS
73	Throughflow and quadratic drag effects on the onset of convection in a Forchheimer-extended Darcy porous medium layer saturated by a nanofluid. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2016, 38, 2299-2309.	0.8	13
74	Effect of guide wall on jet impingement cooling in blade leading edge channel. Journal of Mechanical Science and Technology, 2016, 30, 525-531.	0.7	9
75	The oxygen-deficiency-dependent Seebeck coefficient and electrical properties of mesoporous $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_{3-x}$ films. Journal of Materials Chemistry A, 2016, 4, 4433-4439.	5.2	10
76	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
77	Broadband radiative energy absorption using a silicon nanowire forest with silver nanoclusters for thermal energy conversion. International Journal of Heat and Mass Transfer, 2015, 82, 267-272.	2.5	10
78	Thermal design of heat-exchangeable reactors using a dry-sorbent CO ₂ capture multi-step process. Energy, 2015, 84, 704-713.	4.5	23
79	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
80	Local nucleation propagation on heat transfer uniformity during subcooled convective boiling. Heat and Mass Transfer, 2015, 51, 1-9.	1.2	11
81	Effects of Unsteady Wake on Heat Transfer of Endwall Surface in Linear Cascade. Journal of Heat Transfer, 2014, 136, .	1.2	15
82	Energy recoverable multi-stage dry sorbent CO ₂ capture process. Energy Procedia, 2014, 63, 2266-2279.	1.8	17
83	Interfacial wicking dynamics and its impact on critical heat flux of boiling heat transfer. Applied Physics Letters, 2014, 105, .	1.5	125
84	Trailing edge cooling of a gas turbine blade with perforated blockages with inclined holes. International Journal of Heat and Mass Transfer, 2014, 73, 9-20.	2.5	12
85	Effect of extended single/multi-jet nozzles in a fluidized bed reactor on growth of granular polysilicon. Chemical Engineering Journal, 2014, 248, 242-252.	6.6	13
86	Heat Transfer and Fluid Flow on Dimpled Surface With Bleed Flow. Heat Transfer Engineering, 2014, 35, 641-650.	1.2	11
87	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
88	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
89	Flow boiling heat transfer on nanowire-coated surfaces with highly wetting liquid. Energy, 2014, 76, 428-435.	4.5	58
90	Impingement/Effusion Cooling Methods in Gas Turbine. WIT Transactions on State-of-the-art in Science and Engineering, 2014, , 125-155.	0.0	1

#	ARTICLE	IF	CITATIONS
91	New method for evaluating the kinetic constant of thermal protection materials. Journal of Mechanical Science and Technology, 2013, 27, 1713-1719.	0.7	0
92	Turbulent vortex trains in narrow square arrayed rod bundles of a dual-cooled nuclear reactor. Science China Technological Sciences, 2013, 56, 2143-2149.	2.0	3
93	Effect of the thermal insulation on generator and micro gas turbine system. Energy, 2013, 59, 581-589.	4.5	20
94	All-Solution-Processed InGaO ₃ (ZnO) _m Thin Films with Layered Structure. Journal of Nanomaterials, 2013, 2013, 1-6.	1.5	5
95	Effect of Surfactant Concentration Variation on the Thermoelectric Properties of Mesoporous ZnO. Journal of Nanomaterials, 2013, 2013, 1-6.	1.5	7
96	Use of ordered mesoporous SiO ₂ as protection against thermal disturbance in phase-change memory. Applied Physics Letters, 2013, 102, 144102.	1.5	6
97	Local Heat/Mass Transfer and Friction Loss Measurement in a Rotating Matrix Cooling Channel. Journal of Heat Transfer, 2012, 134, .	1.2	15
98	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
99	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
100	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
101	Rapid fabrication of leak-free, gate-all-around ionic field-effect transistor for control of ions in nanofluidic environment. , 2012, , .		0
102	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
103	Measurement of flow-induced pressure variation in a scale-down SMART model. Nuclear Engineering and Design, 2012, 253, 50-59.	0.8	3
104	Heat transfer by shock-wave/boundary layer interaction on a flat surface with a mounted cylinder. International Journal of Heat and Mass Transfer, 2012, 55, 1764-1772.	2.5	9
105	Experimental and numerical study on local pressure distributions in a system-integrated modular reactor. Annals of Nuclear Energy, 2012, 47, 216-224.	0.9	3
106	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
107	Pump-induced pulsating pressure distributions in a system-integrated modular reactor. Nuclear Engineering and Design, 2012, 248, 216-225.	0.8	3
108	Tuning the morphology of copper nanowires by controlling the growth processes in electrodeposition. Journal of Materials Chemistry, 2011, 21, 17967.	6.7	33

#	ARTICLE	IF	CITATIONS
109	Control of Superhydrophilicity/Superhydrophobicity using Silicon Nanowires via Electroless Etching Method and Fluorine Carbon Coatings. Langmuir, 2011, 27, 10148-10156.	1.6	82
110	Thermal design of hot plate for 300-mm wafer heating in post-exposure bake. Microelectronic Engineering, 2011, 88, 3195-3198.	1.1	5
111	Over 95% of large-scale length uniformity in template-assisted electrodeposited nanowires by subzero-temperature electrodeposition. Nanoscale Research Letters, 2011, 6, 467.	3.1	28
112	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
113	High-performance vertical hydrogen sensors using Pd-coated rough Si nanowires. Journal of Materials Chemistry, 2011, 21, 15935.	6.7	65
114	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
115	Thermoelectric Properties of Nb-Doped Ordered Mesoporous TiO ₂ . Journal of Electronic Materials, 2011, 40, 652-656.	1.0	15
116	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
117	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
118	Numerical study on thermo-hydrodynamics in the reactor internals of SMART. Nuclear Engineering and Design, 2011, 241, 2536-2543.	0.8	17
119	Heat Transfer in Rotating Channel With Inclined Pin-Fins. Journal of Turbomachinery, 2011, 133, .	0.9	29
120	Phase-dependent thermal conductivity of Ge ₁ Sb ₄ Te ₇ and N:Ge ₁ Sb ₄ Te ₇ for phase change memory applications. Journal of Applied Physics, 2010, 107, 033518.	1.1	32
121	Effect of Rotation on Heat/Mass Transfer for an Impingement/Effusion Cooling System. Journal of Heat Transfer, 2010, 132, .	1.2	5
122	Local heat transfer and thermal performance on periodically dimple-protrusion patterned walls for compact heat exchangers. Energy, 2010, 35, 5357-5364.	4.5	75
123	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
124	Conjugated heat transfer and temperature distributions in a gas turbine combustion liner under base-load operation. Journal of Mechanical Science and Technology, 2010, 24, 1939-1946.	0.7	21
125	Optimal design of transverse ribs in tubes for thermal performance enhancement. Energy, 2010, 35, 2400-2406.	4.5	35
126	Micro cell analysis device using cellular photothermal effect and thermal sensor. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
127	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
128	Heat (mass) transfer and friction loss in two-pass ducts with various parallel rib arrangements. Heat and Mass Transfer, 2009, 45, 783-792.	1.2	4
129	Heat transfer and flow temperature measurements in a rotating triangular channel with various rib arrangements. Heat and Mass Transfer, 2009, 45, 1543-1553.	1.2	12
130	Optimal design of angled rib turbulators in a cooling channel. Heat and Mass Transfer, 2009, 45, 1617-1625.	1.2	29
131	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
132	Effect of jet direction on heat/mass transfer of rotating impingement jet. Applied Thermal Engineering, 2009, 29, 2914-2920.	3.0	40
133	Nanowires for Enhanced Boiling Heat Transfer. Nano Letters, 2009, 9, 548-553.	4.5	600
134	Effect of vane/blade relative position on heat transfer characteristics in a stationary turbine blade: Part 2. Blade surface. International Journal of Thermal Sciences, 2008, 47, 1544-1554.	2.6	30
135	Pressure drop and thermal performance in rotating two-pass ducts with various cross rib arrangements. Heat and Mass Transfer, 2008, 44, 913-919.	1.2	8
136	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
137	Heat/mass transfer measurement on concave surface in rotating jet impingement. Journal of Mechanical Science and Technology, 2008, 22, 1952-1958.	0.7	38
138	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
139	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
140	Heat Transfer on Rotating Channel With Various Heights of Pin-Fin. , 2008, , .		16
141	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
142	Heat/Mass Transfer Characteristics in Angled Ribbed Channels With Various Bleed Ratios and Rotation Numbers. Journal of Turbomachinery, 2008, 130, .	0.9	18
143	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
144	Detailed Heat/Mass Transfer Distributions in a Rotating Smooth Channel With Bleed Flow. Journal of Heat Transfer, 2007, 129, 1538-1545.	1.2	8

#	ARTICLE	IF	CITATIONS
145	Effects of Bleed Flow on Heat/Mass Transfer in a Rotating Rib-Roughened Channel. Journal of Turbomachinery, 2007, 129, 636-642.	0.9	12
146	Heat Transfer near Sharp and Blunt Fins Protruded in a Supersonic Flow. , 2007, , .		2
147	Detailed measurement of heat/mass transfer and pressure drop in a rotating two-pass duct with transverse ribs. Heat and Mass Transfer, 2007, 43, 801-815.	1.2	15
148	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
149	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
150	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
151	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
152	Heat/Mass Transfer with Circular Pin Fins in Impingement/Effusion Cooling System with Crossflow. Journal of Thermophysics and Heat Transfer, 2006, 20, 728-737.	0.9	28
153	Heat/Mass transfer in a two-pass rotating rectangular duct with and without 70°½-angled ribs. Heat and Mass Transfer, 2004, 40, 467.	1.2	11
154	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
155	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
156	Flow and Heat (Mass) Transfer Characteristics in an Impingement/Effusion Cooling System With Crossflow. Journal of Turbomachinery, 2003, 125, 74-82.	0.9	66
157	Influence of Injection Type and Feed Arrangement on Flow and Heat Transfer in an Injection Slot. Journal of Turbomachinery, 2002, 124, 132-141.	0.9	9