

Heat and Mass Transfer between Impinging Gas Jets and

Advances in Heat Transfer

13, 1-60

DOI: [10.1016/s0065-2717\(08\)70221-1](https://doi.org/10.1016/s0065-2717(08)70221-1)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Transport Phenomena at the Stagnation Region of an Axi-Symmetrical Impinging Jet. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1980, 46, 2010-2022.	0.2	4
2	Convective heat transfer on a plate in an impinging round hot gas jet of low Reynolds number. International Journal of Heat and Mass Transfer, 1980, 23, 1055-1068.	2.5	43
3	Heat transfer and hydrodynamics of an array of round impinging jets with one-sided exhaust of the spent air. International Journal of Heat and Mass Transfer, 1980, 23, 667-676.	2.5	13
4	Fast flow deposition of metal atoms on liquid surfaces: Gold sol formation and surface lifetime. Journal of Colloid and Interface Science, 1982, 86, 337-343.	5.0	23
5	Rise in free surface caused by submerged jet directed upward. AIChE Journal, 1983, 29, 511-513.	1.8	7
6	An Experimental Investigation into the Effect of Changes in the Geometry of a Slot Nozzle on the Heat Transfer Characteristics of an Impinging Air Jet. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 1983, 197, 7-15.	1.1	12
7	The Development of a Transparent Cylinder Engine for Piston Engine Fluid Mechanics Research. , 0, , .		21
8	FULL COVERAGE IMPINGEMENT HEAT TRANSFER: THE INFLUENCE OF IMPINGEMENT JET SIZE. , 1984, , 1115-1124.		4
9	The drying of regenerated cellulose film by air jet impingement. Journal of Wind Engineering and Industrial Aerodynamics, 1984, 16, 161-172.	1.7	0
10	The unsteady oblique stagnation point flow. Physics of Fluids, 1985, 28, 2046.	1.4	37
11	On the heat transfer characteristics of constrained air jets impinging on a flat surface. International Journal of Heat and Mass Transfer, 1987, 30, 203-205.	2.5	4
12	Theoretical Analysis of Chemical Vapor Deposition of Ceramics in an Impinging Jet Reactor. Journal of the American Ceramic Society, 1987, 70, 907-918.	1.9	16
13	Heat transfer behavior with convex target surfaces. Journal of Thermophysics and Heat Transfer, 1988, 2, 63-67.	0.9	2
14	Modeling of heat flow anomalies associated with a shallow heat source.. Journal of Physics of the Earth, 1988, 36, 185-200.	1.4	1
15	Heat Transfer Characteristics of Impinging Diesel Sprays. , 0, , .		12
16	Advanced technology for smelting McArthur river ore. Minerals Engineering, 1989, 2, 3-32.	1.8	9
18	Thermal Control of Electronic Equipment and Devices. Advances in Heat Transfer, 1990, , 181-314.	0.4	235
19	Prediction of ignition transients in solid rocket motors employing canted pyrogen igniters. Journal of Propulsion and Power, 1990, 6, 344-345.	1.3	6

#	ARTICLE	IF	CITATIONS
20	Cesium density measurements with a laser diode in a magnetohydrodynamic generator. Journal of Propulsion and Power, 1990, 6, 345-348.	1.3	0
21	On the accommodation of coolant flow paths in high density packaging. IEEE Transactions on Components, Hybrids and Manufacturing Technology, 1990, 13, 1040-1049.	0.4	8
22	NUMERICAL SIMULATION OF LAMINAR FLOW AND HEAT TRANSFER FOR LIQUID JET IMPINGEMENT COOLING OF A CIRCULAR HEAT SOURCE WITH ANNULAR COLLECTION OF THE SPENT FLUID. Numerical Heat Transfer; Part A: Applications, 1991, 20, 263-278.	1.2	13
23	Prediction of stagnation point heat transfer for a single round jet impinging on a concave hemispherical surface. Heat and Mass Transfer, 1991, 26, 41-48.	0.2	7
24	Surface Curvature Effect on Slot-Air-Jet Impingement Cooling Flow and Heat Transfer Process. Journal of Heat Transfer, 1991, 113, 858-864.	1.2	195
25	NUMERICAL ESTIMATION ON IMPINGEMENT HEAT TRANSFER CAUSED BY CONFINED THREE SLOT JETS. , 1992, , 456-467.		3
26	NUMERICAL SIMULATION OF LAMINAR CONVECTION HEAT TRANSFER FROM AN IN-LINE ARRAY OF DISCRETE SOURCES TO A CONFINED RECTANGULAR JET. Numerical Heat Transfer; Part A: Applications, 1992, 22, 121-141.	1.2	38
27	Heat Transfer in Two-Dimensional Jet Impingement of a Dielectric Liquid on to a Flat Plate With Uniform Heat Flux. , 1992, , .		2
28	A review of heat transfer data for single circular jet impingement. International Journal of Heat and Fluid Flow, 1992, 13, 106-115.	1.1	986
29	Confined multiple impinging slot jets without crossflow effects. International Journal of Heat and Fluid Flow, 1992, 13, 2-14.	1.1	53
30	Experimental study of heat transfer characteristics due to confined impinging two-dimensional jets. Experimental Thermal and Fluid Science, 1992, 5, 803-807.	1.5	19
31	A laminar boundary layer model of heat transfer due to a nonuniform planar jet impinging on a moving plate. Heat and Mass Transfer, 1992, 27, 311-319.	0.2	34
32	Hydrodynamics of a radial jet inductor. Chemical Engineering Science, 1993, 48, 489-501.	1.9	1
33	Numerical and experimental investigations on heat/mass transfer of slot-jet impingement in a rectangular cavity. International Journal of Heat and Fluid Flow, 1993, 14, 246-253.	1.1	10
34	Heat transfer to impinging isothermal gas and flame jets. Experimental Thermal and Fluid Science, 1993, 6, 111-134.	1.5	902
35	Heat-transfer characteristics of an oblique impinging jet with confined wall. Experimental Thermal and Fluid Science, 1993, 7, 138.	1.5	0
36	Measurement of impinging jet heat transfer utilizing infrared techniques. Experimental Thermal and Fluid Science, 1993, 7, 142.	1.5	2
37	Heat transfer due to a round jet impinging normal to a flat surface. International Journal of Heat and Mass Transfer, 1993, 36, 1639-1647.	2.5	70

#	ARTICLE	IF	CITATIONS
38	Two-dimensional modelling of a non-confined circular impinging jet reactor's fluid dynamics and heat transfer. International Journal of Heat and Mass Transfer, 1993, 36, 857-873.	2.5	6
39	Liquid jet impingement heat transfer with or without boiling. Journal of Thermal Science, 1993, 2, 32-49.	0.9	45
40	An experimental study on the flow and heat transfer characteristics of an impinging jet. Journal of Mechanical Science and Technology, 1993, 7, 258-271.	0.1	8
41	Pulse Combustion: Tailpipe Exit Jet Characteristics*. Combustion Science and Technology, 1993, 94, 167-192.	1.2	19
42	Mass transfer of an impinging jet confined between parallel plates. IBM Journal of Research and Development, 1993, 37, 143-155.	3.2	15
43	HEAT AND MASS TRANSFER IN IMPINGEMENT DRYING. Drying Technology, 1993, 11, 1147-1176.	1.7	116
44	Pulse Combustion: Impinging Jet Heat Transfer Enhancement1. Combustion Science and Technology, 1993, 94, 147-165.	1.2	32
45	Thermal Management of Electronic Components with Dielectric Liquids.. JSME International Journal Series B, 1993, 36, 1-25.	0.3	86
46	Cooling Of Automotive Pistons: Study Of Liquid-Cooling Jets. , 1993, , .		13
47	Single-phase heat-transfer characteristics of submerged jet impingement cooling. , 1993, , .		5
48	Laboratory Investigations and Mathematical Modeling of Airbag-Induced Skin Burns. , 1994, , .		10
49	NUMERICAL INVESTIGATION OF FLOW STRUCTURE AND MIXED CONVECTION HEAT TRANSFER OF IMPINGING RADIAL AND AXIAL JETS. Numerical Heat Transfer; Part A: Applications, 1994, 26, 123-140.	1.2	10
50	NUMERICAL ANALYSIS OF CONVECTIVE HEAT TRANSFER FROM A MOVING PLATE COOLED BY AN ARRAY OF SUBMERGED PLANAR JETS. Numerical Heat Transfer; Part A: Applications, 1994, 26, 141-160.	1.2	31
51	Fluid flow and heat transfer of an extended slot jet impingement. Journal of Thermophysics and Heat Transfer, 1994, 8, 538-545.	0.9	12
52	HEAT TRANSFER CHARACTERISTICS OF AN AXISYMMETRIC JET IMPINGING ON A WALL WITH CONCENTRIC ROUGHNESS ELEMENTS. Experimental Heat Transfer, 1994, 7, 121-141.	2.3	18
53	Local and average transfer coefficients on a vertical surface due to convection from a piezoelectric fan. , 0, , .		15
54	A new impinging jet test rig used to identify the important parameters in service erosion-corrosion in bayer liquor and to study the damage morphology. Wear, 1994, 176, 163-171.	1.5	9
55	Numerical investigations of radial jet reattachment flows. International Journal for Numerical Methods in Fluids, 1994, 18, 629-646.	0.9	18

#	ARTICLE	IF	CITATIONS
56	Impingement heat transfer with a single rosette nozzle. Experimental Thermal and Fluid Science, 1994, 9, 320-329.	1.5	9
57	Pulsed air jet impingement heat transfer. Experimental Thermal and Fluid Science, 1994, 8, 206-213.	1.5	91
58	Single-phase heat transfer characteristics of submerged jet impingement cooling using JP-5. , 0, , .		3
59	Jet impingement boiling of a dielectric coolant in narrow gaps. , 0, , .		11
60	Numerical Study on Heat Transfer of an Impinging Turbulent Plane Jet with Confined Wall.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1994, 60, 1751-1757.	0.2	1
61	Prediction Algorithm of Pressure Drop for Impingement Cooling of Heat Sinks with Pin Fin Arrays.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1994, 60, 3943-3950.	0.2	2
62	TWO-DIMENSIONAL JET IMPINGING ON A WALL WITH ROUGHNESS ELEMENTS. Experimental Heat Transfer, 1994, 7, 1-17.	2.3	6
63	Distribution of Heat-Transfer Coefficients from Small Surfaces Cooled with Submerged Jets of Fluorocarbon Liquid Determined with Inverse-Problem Analysis of Heat Conduction.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1995, 61, 2241-2247.	0.2	2
64	Prediction Algorithm of Pressure Drop for Impingement Cooling of Heat Sinks with Longitudinal Fins.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1995, 61, 2254-2260.	0.2	4
65	Heat Transfer From a Flat Plate to a Fully Developed Axisymmetric Impinging Jet. Journal of Heat Transfer, 1995, 117, 772-776.	1.2	50
66	Heat Transfer and Flow Characteristics of an Oblique Turbulent Impinging Jet Within Confined Walls. Journal of Heat Transfer, 1995, 117, 316-322.	1.2	23
67	Turbulence Dissipation in a Free-Surface Jet of Water and Its Effect on Local Impingement Heat Transfer From a Heated Surface: Part 1â€”Flow Structure. Journal of Heat Transfer, 1995, 117, 85-94.	1.2	21
68	Influence of exit angle on radial jet reattachment and heat transfer. Journal of Thermophysics and Heat Transfer, 1995, 9, 169-174.	0.9	10
69	Local Heat Transfer in Axially Feeding Radial Flow Between Parallel Disks. Journal of Heat Transfer, 1995, 117, 47-53.	1.2	20
70	Confined and Submerged Liquid Jet Impingement Heat Transfer. Journal of Heat Transfer, 1995, 117, 871-877.	1.2	223
71	Heat Transfer Characteristics of Arrays of Free-Surface Liquid Jets. Journal of Heat Transfer, 1995, 117, 878-883.	1.2	72
72	Jet impingement boiling of a dielectric coolant in narrow gaps. IEEE Transactions on Components and Packaging Technologies, 1995, 18, 527-533.	0.7	17
73	Single-Phase Liquid Jet Impingement Heat Transfer. Advances in Heat Transfer, 1995, , 105-217.	0.4	350

#	ARTICLE	IF	CITATIONS
74	Drying performance and surface forces of a pair of impinging radial jets. Heat and Mass Transfer, 1995, 30, 313-320.	1.2	3
75	MEASUREMENTS OF LOCAL HEAT TRANSFER COEFFICIENTS FROM A FLAT PLATE TO A PAIR OF CIRCULAR AIR IMPINGING JETS. Experimental Heat Transfer, 1996, 9, 29-47.	2.3	12
76	Enhancement of Heat and Mass Transfer with Innovative Impinging Jets. Drying Technology, 1996, 14, 1173-1196.	1.7	18
78	Single-phase heat transfer characteristics of free and submerged jet impingement cooling using Mil-7808. , 1996, , .		0
79	Thermal modeling of cw laser materials processing using finite element method. , 1996, , .		0
80	Local, Instantaneous Heat Transfer Coefficients for Jet Impingement on a Phase Change Surface. Journal of Heat Transfer, 1996, 118, 334-342.	1.2	3
81	Study of Impingement Cooling of Heat Sinks for LSI Packages with Longitudinal Fins.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1996, 62, 1549-1556.	0.2	2
82	Control of Crystallinity in Polymer Extrusion Processes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1996, 29, 5965-5970.	0.4	2
83	Flow characteristics and temperature distribution of an impinging jet confined in a chamber.. Journal of Chemical Engineering of Japan, 1996, 29, 537-540.	0.3	2
84	Jet impingement drying of a moist porous solid. International Journal of Heat and Mass Transfer, 1996, 39, 1911-1923.	2.5	24
85	Analytical study on impingement heat transfer with single-phase free-surface circular liquid jets. Journal of Thermal Science, 1996, 5, 271-277.	0.9	38
86	NUMERICAL PREDICTION OF SEMI-CONFINED JET IMPINGEMENT AND COMPARISON WITH EXPERIMENTAL DATA. International Journal for Numerical Methods in Fluids, 1996, 23, 295-306.	0.9	63
87	Nozzle-geometry effects in liquid jet impingement heat transfer. International Journal of Heat and Mass Transfer, 1996, 39, 2915-2923.	2.5	161
88	Liquid crystal images of the transition from jet impingement convection to nucleate boiling part II: Nonmonotonic distribution of the convection coefficient. Experimental Thermal and Fluid Science, 1996, 12, 288-297.	1.5	17
89	Liquid crystal images of the transition from jet impingement convection to nucleate boiling part I: Monotonic distribution of the convection coefficient. Experimental Thermal and Fluid Science, 1996, 12, 274-287.	1.5	18
90	Influence of shear layer dynamics on impingement heat transfer. Experimental Thermal and Fluid Science, 1996, 13, 29-37.	1.5	47
91	Wall pressure and shear stress measurements beneath an impinging jet. Experimental Thermal and Fluid Science, 1996, 13, 364-373.	1.5	128
92	Nucleate Boiling Heat Transfer in Spray Cooling. Journal of Heat Transfer, 1996, 118, 668-671.	1.2	160

#	ARTICLE	IF	CITATIONS
93	Ultrasonic measurement of convective heat transfer coefficients on a nonuniform melt layer. Review of Scientific Instruments, 1996, 67, 1577-1585.	0.6	2
94	Distribution of heat transfer coefficients from small surfaces cooled with submerged jets of fluorocarbon liquid determined by inverse analysis of heat conduction. , 0, , .		0
95	NUMERICAL INVESTIGATION OF HEAT TRANSFER BY ROWS OF RECTANGULAR IMPINGING JETS. Numerical Heat Transfer; Part A: Applications, 1996, 30, 87-101.	1.2	36
96	Effect of turbulence on heat transfer in stagnation flow. Journal of Thermophysics and Heat Transfer, 1996, 10, 290-296.	0.9	5
97	Air-cooling system for metal oxide semiconductor controlled thyristors employing miniature heat pipes. Journal of Thermophysics and Heat Transfer, 1996, 10, 484-489.	0.9	14
98	An Analytical Method to Determine the Liquid Film Thickness Produced by Gas Atomized Sprays. Journal of Heat Transfer, 1996, 118, 255-258.	1.2	17
99	Rotation Effect on Jet Impingement Heat Transfer in Smooth Rectangular Channels With Four Heated Walls and Radially Outward Cross Flow. , 1996, , .		11
100	NUMERICAL MODELING OF TRANSDERMAL HEAT TRANSFER DUE TO AIR BAG DEPLOYMENT. Numerical Heat Transfer; Part A: Applications, 1997, 31, 469-491.	1.2	2
101	Impingement Cooling Flow and Heat Transfer Under Acoustic Excitations. Journal of Heat Transfer, 1997, 119, 810-817.	1.2	35
102	Large Eddy simulation with dynamic subgrid stress model of a rectangular impinging jet. , 1997, , 382-387.		0
103	Theoretical and Experimental Study of Electrohydrodynamic Heat Transfer Enhancement Through Wire-Plate Corona Discharge. Journal of Heat Transfer, 1997, 119, 604-610.	1.2	93
104	Effects of Different Drying Processes on Oil Absorption and Microstructure of Tortilla Chips. Cereal Chemistry, 1997, 74, 216-223.	1.1	15
105	LARGE-EDDY SIMULATION OF HEAT TRANSFER FROM IMPINGING SLOT JETS. Numerical Heat Transfer; Part A: Applications, 1997, 32, 1-17.	1.2	35
106	Optimization of Heat Sink Geometries for Impingement Air-Cooling of LSI Packages. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 1997, 63, 2484-2491.	0.2	3
107	Air-Impingement Drying of Tortilla Chips. Drying Technology, 1997, 15, 881-897.	1.7	23
108	Distribution of heat transfer coefficients from small surfaces cooled with submerged jets of fluorocarbon liquid determined by inverse analysis of heat conduction. IEEE Transactions on Components and Packaging Technologies, 1997, 20, 167-173.	0.7	1
109	Local thermal characteristics of a confined round jet impinging onto a heated disk. , 0, , .		3
110	Reduction of Oil in Tortilla Chips using Impingement Drying. LWT - Food Science and Technology, 1997, 30, 834-840.	2.5	10

#	ARTICLE	IF	CITATIONS
111	Research Advances in Dry and Semi-Dry Machining. , 0, , .		2
112	Dynamics of complex chemical system vaporization at high temperature. Application to the vitrification of fly ashes by thermal plasma. Chemical Engineering Science, 1997, 52, 4381-4391.	1.9	13
113	Thermal performances of different shape porous blocks under an impinging jet. International Journal of Heat and Mass Transfer, 1997, 40, 2261-2272.	2.5	66
114	Entropy generation in conjugate heat transfer from a discretely heated plate to an impinging confined jet. International Communications in Heat and Mass Transfer, 1997, 24, 201-210.	2.9	28
115	Feasibility of energy efficient steam drying of paper and textile including process integration. Applied Thermal Engineering, 1997, 17, 1035-1041.	3.0	31
116	Turbulent flow and heat transfer characteristics of a two-dimensional oblique plate impinging jet. Journal of Mechanical Science and Technology, 1997, 11, 476-483.	0.4	12
117	Local convective heat transfer from small heaters to impinging submerged axisymmetric jets of seven coolants with Prandtl number ranging from 0.7 to 348. Journal of Thermal Science, 1997, 6, 286-297.	0.9	18
118	Impinging radial and inline jets: A comparison with regard to heat transfer, wall pressure distribution, and pressure loss. Experimental Thermal and Fluid Science, 1997, 14, 194-204.	1.5	16
119	Velocity and turbulence characteristics of a semiconfined orthogonally impinging slot jet. Experimental Thermal and Fluid Science, 1997, 14, 60-67.	1.5	121
120	Modeling a multiple-zone air impingement dryer. Chemical Engineering and Processing: Process Intensification, 1997, 36, 469-487.	1.8	15
121	Heat transfer from an obliquely impinging circular, air jet to a flat plate. International Journal of Heat and Fluid Flow, 1997, 18, 591-599.	1.1	105
122	Evolution of flow structure in impinging three-dimensional axial and radial jets. International Journal for Numerical Methods in Fluids, 1997, 25, 1083-1103.	0.9	3
123	Impingement heat transfer and recovery effect with submerged jets of large Prandtl number liquid. Initially laminar confined slot jets. International Journal of Heat and Mass Transfer, 1997, 40, 1491-1500.	2.5	20
124	Local characteristics of impingement heat transfer with oblique round free-surface jets of large Prandtl number liquid. International Journal of Heat and Mass Transfer, 1997, 40, 2249-2259.	2.5	34
125	Local heat transfer and recovery factor with impinging free-surface circular jets of transformer oil. International Journal of Heat and Mass Transfer, 1997, 40, 4295-4308.	2.5	26
126	Prandtl number dependence of impingement heat transfer with circular free-surface liquid jets. International Journal of Heat and Mass Transfer, 1998, 41, 1360-1363.	2.5	29
127	Prediction of heat transfer in an axisymmetric turbulent jet impinging on a flat plate. International Journal of Heat and Mass Transfer, 1998, 41, 1845-1855.	2.5	227
128	Mass transfer from rotating circular cylinders in a submerged slot jet of air. International Journal of Heat and Mass Transfer, 1998, 41, 3441-3450.	2.5	11

#	ARTICLE	IF	CITATIONS
129	Mechanical properties and fracture behavior of layered 6061/SiCp composites produced by spray atomization and co-deposition. <i>Acta Materialia</i> , 1998, 47, 43-53.	3.8	28
130	Heat transfer and flow visualization experiments of swirling, multi-channel, and conventional impinging jets. <i>International Journal of Heat and Mass Transfer</i> , 1998, 41, 583-600.	2.5	132
131	Drying kinetics of polymer films. <i>AIChE Journal</i> , 1998, 44, 791-798.	1.8	85
132	Heat transfer augmentation for air jet impinged on a rough surface. <i>Applied Thermal Engineering</i> , 1998, 18, 1225-1241.	3.0	46
133	Theory of stagnation region heat and mass transfer to fluid jets impinging normally on solid surfaces. <i>Chemical Engineering and Processing: Process Intensification</i> , 1998, 37, 223-228.	1.8	23
134	Simultaneous convective heat and mass transfer in impingement ink drying. <i>International Communications in Heat and Mass Transfer</i> , 1998, 25, 863-874.	2.9	7
135	Local convective heat transfer from a vertical flat surface to oblique submerged impinging jets of large Prandtl number liquid. <i>Experimental Thermal and Fluid Science</i> , 1998, 17, 238-247.	1.5	11
136	An experimental comparison of liquid jet array and spray impingement cooling in the non-boiling regime. <i>Experimental Thermal and Fluid Science</i> , 1998, 18, 1-10.	1.5	104
137	Thermal management of a laptop computer with synthetic air microjets. , 0, , .		36
138	Heat Transfer Characteristics of a Slot Jet Reattachment Nozzle. <i>Journal of Heat Transfer</i> , 1998, 120, 348-356.	1.2	21
139	DRYING CHARACTERISTICS OF SLOT JET REATTACHMENT NOZZLE AND COMPARISON WITH A SLOT JET NOZZLE. <i>Drying Technology</i> , 1998, 16, 1585-1607.	1.7	6
140	Comparison of Heat Transfer Characteristics of Radial Jet Reattachment Nozzle to In-Line Impinging Jet Nozzle. <i>Journal of Heat Transfer</i> , 1998, 120, 335-341.	1.2	16
141	Optimization of Finned Heat Sinks for Impingement Cooling of Electronic Packages. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 1998, 120, 259-266.	1.2	34
142	Means to Improve the Heat Transfer Performance of Air Jet Arrays Where Supply Pressures are Limiting. <i>Journal of Heat Transfer</i> , 1998, 120, 787-789.	1.2	1
143	Rotation Effect on Jet Impingement Heat Transfer in Smooth Rectangular Channels With Four Heated Walls and Radially Outward Crossflow. <i>Journal of Turbomachinery</i> , 1998, 120, 79-85.	0.9	30
144	Direct numerical simulation of an impinging jet into parallel disks. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 1998, 8, 768-780.	1.6	51
145	Transient Heating of Air Bag Fabrics: Experiment and Modeling. , 0, , .		3
146	Characteristics of Heat Transfer in Impinging Jets by Control of Vortex Pairing. , 1998, , .		9

#	ARTICLE	IF	CITATIONS
147	Development of an Improved Airbag-Induced Thermal Skin Burn Model. , 1999, , .		0
148	Predictions of Turbulent Heat Transfer in an Axisymmetric Jet Impinging on a Heated Pedestal. Journal of Heat Transfer, 1999, 121, 43-49.	1.2	28
149	The Effect of Drainage Configuration on Heat Transfer Under an Impinging Liquid Jet Array. Journal of Heat Transfer, 1999, 121, 803-810.	1.2	26
150	Thermal Analysis of Solids at High Peclet Numbers Subjected to Moving Heat Sources. Journal of Heat Transfer, 1999, 121, 182-186.	1.2	13
151	Local Heat Transfer in a Rotating Square Channel With Jet Impingement. Journal of Heat Transfer, 1999, 121, 811-818.	1.2	10
152	Free Jet Impingement Heat Transfer of a High Prandtl Number Fluid Under Conditions of Highly Varying Properties. Journal of Heat Transfer, 1999, 121, 592-597.	1.2	20
153	ENHANCED JET IMPINGEMENT HEAT TRANSFER WITH CROSSFLOW AT LOW REYNOLDS NUMBERS. Journal of Electronics Manufacturing, 1999, 09, 167-178.	0.4	6
154	Numerical study of turbulent heat transfer in confined and unconfined impinging jets. International Journal of Heat and Fluid Flow, 1999, 20, 1-9.	1.1	254
155	Effect of variable duty cycle flow pulsations on heat transfer enhancement for an impinging air jet. International Journal of Heat and Fluid Flow, 1999, 20, 574-580.	1.1	82
156	Technical NoteTurbulent heat transfer from a convex hemispherical surface to a round impinging jet. International Journal of Heat and Mass Transfer, 1999, 42, 1147-1156.	2.5	32
157	Comparative analysis of jet impingement and microchannel cooling for high heat flux applications. International Journal of Heat and Mass Transfer, 1999, 42, 1555-1568.	2.5	170
158	Technical Note Heat transfer characteristics of an axisymmetric jet impinging on the rib-roughened convex surface. International Journal of Heat and Mass Transfer, 1999, 42, 2101-2110.	2.5	13
159	Technical Note The effect of concave surface curvature on heat transfer from a fully developed round impinging jet. International Journal of Heat and Mass Transfer, 1999, 42, 2489-2497.	2.5	94
160	An experimental study of slot jet impingement cooling on concave surface: effects of nozzle configuration and curvature. International Journal of Heat and Mass Transfer, 1999, 42, 2199-2209.	2.5	129
161	The Modeling of Coating Thickness, Heat Transfer, and Fluid Flow and Its Correlation with the Thermal Barrier Coating Microstructure for a Plasma Sprayed Gas Turbine Application. Journal of Thermal Spray Technology, 1999, 8, 393-398.	1.6	11
162	Thermal Modeling of Plasma Spray Deposition of Nanostructured Ceramics. Journal of Thermal Spray Technology, 1999, 8, 315-322.	1.6	16
163	On the mechanism of mushy layer formation during droplet-based processing. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1999, 30, 527-539.	1.0	24
164	Impinging jets confined by a conical wall: Laminar flow predictions. AIChE Journal, 1999, 45, 2273-2285.	1.8	15

#	ARTICLE	IF	CITATIONS
165	Heat flux measurement techniques. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 1999, 213, 655-677.	1.1	86
166	Local and Instantaneous Heat Transfer Characteristics of Arrays of Pulsating Jets. Journal of Heat Transfer, 1999, 121, 341-348.	1.2	13
167	The effect of nozzle aspect ratio on stagnation region heat transfer characteristics of elliptic impinging jet. International Journal of Heat and Mass Transfer, 2000, 43, 555-575.	2.5	113
168	Measurements of impinging jet flow and heat transfer on a semi-circular concave surface. International Journal of Heat and Mass Transfer, 2000, 43, 1811-1822.	2.5	95
169	Slot jet impingement heat transfer from circular cylinders. International Journal of Heat and Mass Transfer, 2000, 43, 1975-1985.	2.5	69
170	The effect of nozzle configuration on stagnation region heat transfer enhancement of axisymmetric jet impingement. International Journal of Heat and Mass Transfer, 2000, 43, 3497-3509.	2.5	156
171	Axial steady free surface jet impinging over a flat disk with discrete heat sources. International Journal of Heat and Fluid Flow, 2000, 21, 11-21.	1.1	13
172	The effect of inclination on the heat transfer between a flat surface and an impinging two-dimensional air jet. International Journal of Heat and Fluid Flow, 2000, 21, 156-163.	1.1	133
173	Transport issues when impinging laminar premixed flame jets on a rotating cylinder. Proceedings of the Combustion Institute, 2000, 28, 1405-1411.	2.4	4
174	A survey on infrared thermography for convective heat transfer measurements. Optics and Laser Technology, 2000, 32, 593-610.	2.2	92
175	Effects of surface roughness on the average heat transfer of an impinging air jet. International Communications in Heat and Mass Transfer, 2000, 27, 1-12.	2.9	49
176	On the cooling effect of an air jet along the surface of a cylinder. International Communications in Heat and Mass Transfer, 2000, 27, 667-676.	2.9	61
177	Thermal behavior during droplet-based deposition. Acta Materialia, 2000, 48, 835-849.	3.8	30
178	Predicting residual stresses due to solidification in cast plastic plates. Plastics, Rubber and Composites, 2000, 29, 468-474.	0.9	10
179	Identification of Dominant Heat Transfer Modes Associated With the Impingement of an Elliptical Jet Array. Journal of Heat Transfer, 2000, 122, 240-247.	1.2	20
180	Heat transfer from pin-fin heat sinks under multiple impinging jets. IEEE Transactions on Advanced Packaging, 2000, 23, 113-120.	1.7	39
181	A MODEL FOR THE REMOVAL OF WATER DROPLET AEROSOLS FROM A FLASHING JET IMPINGING ONTO A PLATE. Journal of Aerosol Science, 2000, 31, 999-1014.	1.8	0
182	Enhancement of air jet impingement heat transfer using pin-fin heat sinks. IEEE Transactions on Components and Packaging Technologies, 2000, 23, 300-308.	1.4	63

#	ARTICLE	IF	CITATIONS
183	The inviscid impingement of a jet with arbitrary velocity profile. <i>Physics of Fluids</i> , 2000, 12, 2046-2055.	1.6	35
184	Modeling of solid motor start-up. , 2001, , .		12
185	An ignition transient model for solid propellant rocket motors. , 2001, , .		5
186	Forced Air-Cooling for CPU Modules with High Heat Dissipation.. 880-02 Nihon Kikai Gakkai RonbunshÅ« Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2001, 67, 1020-1026.	0.2	0
187	Impingement drying of foods using hot air and superheated steam. <i>Journal of Food Engineering</i> , 2001, 49, 291-295.	2.7	101
188	Mathematical modeling of impingement drying of corn tortillas. <i>Journal of Food Engineering</i> , 2001, 50, 121-128.	2.7	37
189	Dynamics of the vortex structure of a jet impinging on a convex surface. <i>Experimental Thermal and Fluid Science</i> , 2001, 24, 169-175.	1.5	34
190	MEMS-enabled thermal management of high-heat-flux devices EDIFICE: embedded droplet impingement for integrated cooling of electronics. <i>Experimental Thermal and Fluid Science</i> , 2001, 25, 231-242.	1.5	109
191	Heat transfer and flow structures in axisymmetric impinging jet controlled by vortex pairing. <i>International Journal of Heat and Fluid Flow</i> , 2001, 22, 293-300.	1.1	56
192	Large-eddy simulation of flow and heat transfer in an impinging slot jet. <i>International Journal of Heat and Fluid Flow</i> , 2001, 22, 500-508.	1.1	108
193	A theoretical approach to the drying process of thin film layers. <i>Applied Thermal Engineering</i> , 2001, 21, 465-479.	3.0	30
194	Jet impingement cooling of a convex semi-cylindrical surface. <i>International Journal of Thermal Sciences</i> , 2001, 40, 890-898.	2.6	53
195	AN EXPERIMENTAL INVESTIGATION ON THE ACOUSTIC EXCITATION OF A THIN PLATE BY LOW-SPEED JETS. <i>Journal of Sound and Vibration</i> , 2001, 246, 199-209.	2.1	0
196	An investigation of a block moving back and forth on a heat plate under a slot jet. <i>International Journal of Heat and Mass Transfer</i> , 2001, 44, 2621-2631.	2.5	11
197	Prandtl-number effects and generalized correlations for confined and submerged jet impingement. <i>International Journal of Heat and Mass Transfer</i> , 2001, 44, 3471-3480.	2.5	105
198	An investigation of a block moving back and forth on a heat plate under a slot jet. Part II (the effects) <i>Tj ETQq1 1 0.784314 rgBT /Ove</i> 44, 4649-4665.	2.5	4
199	HEAT TRANSFER COEFFICIENT FOR COOKIE SHAPED OBJECTS IN A HOT AIR JET IMPINGEMENT OVEN. <i>Journal of Food Process Engineering</i> , 2001, 24, 51-69.	1.5	27
200	MSW incineration furnace refractory walls cooling by air impingement jets and effusion. <i>Applied Thermal Engineering</i> , 2001, 21, 1535-1550.	3.0	1

#	ARTICLE	IF	CITATIONS
201	Fluid flow and heat transfer in gas jet quenching of a cylinder. International Journal of Numerical Methods for Heat and Fluid Flow, 2001, 11, 36-49.	1.6	28
202	Local Heat Transfer Distributions in Confined Multiple Air Jet Impingement. Journal of Electronic Packaging, Transactions of the ASME, 2001, 123, 165-172.	1.2	87
203	Mist/Steam Heat Transfer in Confined Slot Jet Impingement. Journal of Turbomachinery, 2001, 123, 161-167.	0.9	56
205	IR window design for hypersonic missile seekers: thermal shock and cooling systems. , 2001, , .		3
206	PAPER DRYING: A STRATEGY FOR HIGHER MACHINE SPEED. II. IMPINGEMENT AIR DRYING FOR HYBRID DRYER SECTIONS. Drying Technology, 2001, 19, 2509-2530.	1.7	7
207	Heat flux measurement. , 2001, , 324-361.		4
208	Experimental Investigation of an Air Microjet Array Impingement Cooling Device. Journal of Thermophysics and Heat Transfer, 2002, 16, 187-192.	0.9	19
209	Rectangular Jet Impingement Heat Transfer on a Vehicle Windshield. Journal of Thermophysics and Heat Transfer, 2002, 16, 154-157.	0.9	4
210	Heat Transfer Correlation for Anti-icing Systems. Journal of Aircraft, 2002, 39, 65-70.	1.7	43
211	Unsteady Heat Transfer Analysis of an Impinging Jet. Journal of Heat Transfer, 2002, 124, 1039-1048.	1.2	109
212	Forced Convection Heat Transfer Enhancement Using a Self-Oscillating Impinging Planar Jet. Journal of Heat Transfer, 2002, 124, 770-782.	1.2	108
213	Conjugated Heat Transfer on a Horizontal Surface Impinged by Circular Free-Surface Liquid Jet.. JSME International Journal Series B, 2002, 45, 307-314.	0.3	13
214	Experimental and Numerical Study of Convective Heat Transfer in an Array of Slot Jets. , 2002, , 13.		4
215	Computational Study of Impingement Heat Transfer under a Turbulent Slot Jet. Industrial & Engineering Chemistry Research, 2002, 41, 4643-4651.	1.8	66
216	Simulation of Laminar Slot Jets Impinging on a Moving Surface. Journal of Heat Transfer, 2002, 124, 1049-1055.	1.2	33
217	Heat Transfer From a Moving Surface Due to Impinging Slot Jets. Journal of Heat Transfer, 2002, 124, 433-440.	1.2	51
218	AN ENGINEERING MODEL FOR SOLID-LIQUID PHASE CHANGE WITHIN SPRAYED CERAMIC COATINGS OF NONUNIFORM THICKNESS. Numerical Heat Transfer; Part A: Applications, 2002, 41, 113-129.	1.2	9
219	Numerical Model of the Plasma Jet Generated by an Electrothermal-Chemical Igniter. Journal of Thermophysics and Heat Transfer, 2002, 16, 157-160.	0.9	20

#	ARTICLE	IF	CITATIONS
220	Effects of Pressure and Inert Gas Top Blowing on the Rate of Molten Steel Hydrogen Desorption. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2002, 88, 243-248.	0.1	2
221	Temperature Measurement of a Vehicle's Windshield Using Liquid Crystals. , 0, , .		5
222	Numerical simulation of an impinging water jet applied to cooling human skin. , 2002, , .		3
224	Dominant vortices in impinging jet flows. Journal of Visualization, 2002, 5, 121-128.	1.1	7
225	Effect of pressure gradient on heat transfer of impinging submerged circular jets. Journal of Thermal Science, 2002, 11, 180-185.	0.9	3
226	Numerical study of momentum and heat transfer in unsteady impinging jets. International Journal of Heat and Fluid Flow, 2002, 23, 592-600.	1.1	90
227	Heat transfer to a row of impinging jets in consideration of optimization. International Journal of Heat and Mass Transfer, 2002, 45, 4191-4200.	2.5	71
228	Compressible heat transfer computations by an adaptive finite element method. International Journal of Thermal Sciences, 2002, 41, 721-736.	2.6	7
229	Detailed heat transfer measurements of impinging jet arrays issued from grooved surfaces. International Journal of Thermal Sciences, 2002, 41, 823-841.	2.6	22
230	Visualization of Flow and Heat Transfer Augmentation by Oblique Impingement Jets. Annals of the New York Academy of Sciences, 2002, 972, 187-192.	1.8	1
231	Heat transfer characteristics of a slot jet impinging on a semi-circular convex surface. International Journal of Heat and Mass Transfer, 2002, 45, 993-1006.	2.5	89
232	Visualization and mass transfer with a bistable two-slot impinging jet. Journal of Visualization, 2003, 6, 417-421.	1.1	1
233	Experimental Optimization of Air Jets Impinging on a Continuously Moving Flat Plate. Heat and Mass Transfer, 2003, 39, 509-517.	1.2	9
234	Unsteady flow with heat and mass transfer due to impingement of slot jet on an inclined plate. Heat and Mass Transfer, 2003, 39, 745-751.	1.2	4
235	Heat transfer characteristics of an annular turbulent impinging jet with a confined wall measured by thermosensitive liquid crystal. Heat and Mass Transfer, 2003, 39, 545-551.	1.2	27
236	Mean flow and turbulence measurements of the impingement wall jet on a semi-circular convex surface. Experiments in Fluids, 2003, 34, 140-149.	1.1	29
237	Local heat/mass transfer and flow characteristics of array impinging jets with effusion holes ejecting spent air. International Journal of Heat and Mass Transfer, 2003, 46, 1049-1061.	2.5	100
238	Annular synthetic jet used for impinging flow mass-transfer. International Journal of Heat and Mass Transfer, 2003, 46, 3291-3297.	2.5	113

#	ARTICLE	IF	CITATIONS
239	Effects of acoustic excitation positions on heat transfer and flow in axisymmetric impinging jet: main jet excitation and shear layer excitation. International Journal of Heat and Fluid Flow, 2003, 24, 199-209.	1.1	62
240	A numerical study on the eddy structures of impinging jets excited at the inlet. International Journal of Heat and Fluid Flow, 2003, 24, 500-511.	1.1	76
241	An evaluation of gas quenching of steel rings by multiple-jet impingement. Journal of Materials Processing Technology, 2003, 136, 190-201.	3.1	35
242	An assessment of the applicability of cold air and oil mist in surface grinding. Journal of Materials Processing Technology, 2003, 140, 224-230.	3.1	70
243	Aerodynamic and mass transfer characteristics of an annular bistable impinging jet with a fluidic flip-flop control. International Journal of Heat and Mass Transfer, 2003, 46, 1265-1278.	2.5	25
244	The Structure of Wall-Impinging Jets: Computed Versus Theoretical and Measured Results. Journal of Fluids Engineering, Transactions of the ASME, 2003, 125, 997-1005.	0.8	21
245	Dual Pulsating or Steady Slot Jet Cooling of a Constant Heat Flux Surface. Journal of Heat Transfer, 2003, 125, 575-586.	1.2	16
246	INVESTIGATION INTO METHODS OF ENHANCING HEAT TRANSFER UNDER IMPINGING AIR JETS. Experimental Heat Transfer, 2003, 16, 171-190.	2.3	3
247	A numerical study on the heat transfer characteristics of two-dimensional inclined impinging jet. , 0, , .		6
248	Heat Transfer in a High Turbulence Air Jet Impinging Over a Flat Circular Disk. Journal of Heat Transfer, 2003, 125, 257-265.	1.2	25
249	Simulation of Compressible Micro-Scale Jet Impingement Heat Transfer. Journal of Heat Transfer, 2003, 125, 447-453.	1.2	21
250	Experimental and Numerical Study of Heat Transfer in a Gas Turbine Combustor Liner. Journal of Engineering for Gas Turbines and Power, 2003, 125, 994-1002.	0.5	42
251	EXPERIMENTAL INVESTIGATION OF THE HEAT TRANSFER CHARACTERISTICS OF CONFINED IMPINGING SLOT JETS. Experimental Heat Transfer, 2003, 16, 1-18.	2.3	14
252	Three-Dimensional Heat Transfer of a Confined Circular Impinging Jet With Buoyancy Effects. Journal of Heat Transfer, 2003, 125, 250-256.	1.2	27
253	Heat Transfer of Impacting Water Mist on High Temperature Metal Surfaces. Journal of Heat Transfer, 2003, 125, 70-74.	1.2	45
254	Heat Transfer Characteristics of a Pair of Impinging Rectangular Flame Jets. Journal of Heat Transfer, 2003, 125, 1140-1146.	1.2	17
255	Heat exchanger fabrication with arrays of sensors and heaters with its micro-scale impingement cooling process analysis and measurements. , 0, , .		0
256	Modeling the Thermal Behavior of Solder Paste Inside Reflow Ovens. Journal of Electronic Packaging, Transactions of the ASME, 2003, 125, 335-346.	1.2	18

#	ARTICLE	IF	CITATIONS
257	Impingement Heat Transfer of Reciprocating Jet Array. JSME International Journal Series B, 2003, 46, 434-450.	0.3	1
258	Analysis of Heat Transfer Between the Gas Torch and the Plate For the Application of Line Heating. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2003, 125, 794-800.	1.3	12
259	Actively Controlled Cooling Jets. , 0, , .		2
260	On-Vehicle Controllable Cooling Jets. , 0, , .		7
261	Numerical Investigations Of Piston Cooling Using Oil Jet. , 2004, , .		6
262	Boiling heat transfer enhancement by submerged vibration induced jets. , 0, , .		6
263	Flow and Heat Transfer Characteristics of Confined Noncircular Turbulent Impinging Jets. Drying Technology, 2004, 22, 2027-2049.	1.7	33
264	Air impingement heating. , 2004, , 253-276.		3
265	The Effects of Nozzle Diameter on Impinging Jet Heat Transfer and Fluid Flow. Journal of Heat Transfer, 2004, 126, 554-557.	1.2	123
266	An experimental study of the enhancement of air-cooling limits for telecom/datacom heat sinks applications using an impinging air jet. , 0, , .		0
267	Fluid Flow and Heat Transfer in Air Jet Impingement in Food Processing. Journal of Food Science, 2004, 69, CRH113-CRH122.	1.5	92
268	Heat transfer from a laminar impinging: jet of a power law fluid. International Communications in Heat and Mass Transfer, 2004, 31, 241-249.	2.9	27
269	Jet impingement cooling of a discretely heated portion of a protruding pedestal with a single round air jet. Experimental Thermal and Fluid Science, 2004, 28, 893-901.	1.5	21
270	Heat transfer and wall pressure characteristics of a twin premixed butane/air flame jets. International Journal of Heat and Mass Transfer, 2004, 47, 489-500.	2.5	56
271	Heat transfer due to unsteadily impinging jets. International Journal of Thermal Sciences, 2004, 43, 733-741.	2.6	24
272	Experimental investigation of impinging jet arrays. Experiments in Fluids, 2004, 36, 946-958.	1.1	107
273	Impinging jet cooling on concave surfaces. AIChE Journal, 2004, 50, 1672-1683.	1.8	44
275	An experimental study of fluid mechanics and heat transfer in an impinging slot jet flow. International Journal of Heat and Mass Transfer, 2004, 47, 1827-1845.	2.5	148

#	ARTICLE	IF	CITATIONS
276	Annular impinging jet with recirculation zone expanded by acoustic excitation. International Journal of Heat and Mass Transfer, 2004, 47, 2329-2341.	2.5	35
277	Heat transfer under a precessing jet: effects of unsteady jet impingement. International Journal of Heat and Mass Transfer, 2004, 47, 2795-2806.	2.5	16
278	Transient thermal structure, turbulence, and heat transfer in a reattaching slot jet flow. International Journal of Heat and Mass Transfer, 2004, 47, 5219-5234.	2.5	12
279	Impinging premixed butane/air circular laminar flame jet's influence of impingement plate on heat transfer characteristics. International Journal of Heat and Mass Transfer, 2004, 47, 5021-5031.	2.5	45
280	The cooling process in gas quenching. Journal of Materials Processing Technology, 2004, 155-156, 1881-1888.	3.1	43
281	Studies on characteristics of temperature field during GTAW with a trailing heat sink for titanium sheet. Journal of Materials Processing Technology, 2004, 147, 328-335.	3.1	44
282	Heat exchanger fabrication with arrays of sensors and heaters with its micro-scale impingement cooling process analysis and measurements. Sensors and Actuators A: Physical, 2004, 114, 154-162.	2.0	10
283	Sensitivity improvement of integrated thermal anemometers obtained by jet flow impingement. Sensors and Actuators A: Physical, 2004, 113, 301-306.	2.0	5
284	Thermal chip fabrication with arrays of sensors and heaters for micro-scale impingement cooling heat transfer analysis and measurements. Biosensors and Bioelectronics, 2004, 20, 103-114.	5.3	21
285	Recent advances in the use of infrared thermography. Measurement Science and Technology, 2004, 15, R27-R58.	1.4	426
286	An Evaluation of Jet Impingement Heat Transfer Correlations for Piccolo Tube Application. , 2004, , .		31
287	Transient Convective Heat Transfer of Air Jet Impinging Onto a Confined Ceramic-Based MCM Disk. Journal of Electronic Packaging, Transactions of the ASME, 2004, 126, 159-172.	1.2	13
288	Design and Analysis of Direct Liquid Multi-Jet Impingement Schemes for Electronics Applications. , 2004, , 249.		0
289	Impinging Jet Heat Transfer in the Transitional Wall Jet Region. , 2005, , 585.		2
290	Ignition Delay and Limit of Ignitability for Sodium Pool (Theory and Experimental Comparisons). 880-02 Nihon Kikai Gakkai Ronbunshu Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2005, 71, 2184-2192.	0.2	0
291	MODELLING FOR THERMAL CONTROL OF VACUUM PLASMA SPRAYING. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 189-194.	0.4	2
292	Process technology for distortion compensation by means of gas quenching in flexible jet fields. International Journal of Materials and Product Technology, 2005, 24, 259.	0.1	11
293	Condensing-convective boundary conditions in moist air impingement ovens. Journal of Food Engineering, 2005, 70, 101-108.	2.7	6

#	ARTICLE	IF	CITATIONS
294	Mathematical modeling of air-impingement cooling of finite slab shaped objects and effect of spatial variation of heat transfer coefficient. Journal of Food Engineering, 2005, 71, 287-294.	2.7	25
295	Heat transfer from a pulsed laminar impinging jet. International Communications in Heat and Mass Transfer, 2005, 32, 1317-1324.	2.9	50
296	Multiple flow patterns and heat transfer in confined jet impingement. International Journal of Heat and Fluid Flow, 2005, 26, 746-754.	1.1	26
297	Non-steady state heating of substrate and coating during thermal-spray deposition. Surface and Coatings Technology, 2005, 194, 82-90.	2.2	12
298	THERMAL TRANSPORT IN A MULTIPLE JET IMPINGEMENT OVEN. Journal of Food Process Engineering, 2005, 28, 378-396.	1.5	17
299	Heat transfer characteristics of an array of impinging pre-mixed slot flame jets. International Journal of Heat and Mass Transfer, 2005, 48, 1727-1738.	2.5	47
300	Electrochemical incineration of oxalic acid: Reactivity and engineering parameters. Journal of Applied Electrochemistry, 2005, 35, 1087-1093.	1.5	54
301	Numerical and Experimental Investigation of Oil Jet Cooled Piston. , 2005, , .		10
302	Spatially Resolved Heat Transfer Rates in an Impinging Circular Microscale Jet. Microscale Thermophysical Engineering, 2005, 9, 183-197.	1.2	22
303	Thermal simulation for predicting substrate temperature during reflow soldering process. , 0, , .		15
304	Numerical Heat Transfer Correlation for Array of Hot-Air Jets Impinging on 3-Dimensional Concave Surface. Journal of Aircraft, 2005, 42, 665-670.	1.7	48
305	Cylinder head metal temperature control - a proof of concept study. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2005, 219, 355-369.	1.1	1
306	Vortex-Tube Cooling for Tool Wear Reduction in A390 Dry Machining. , 2005, , 837.		8
307	Jet Impingement Heat Transfer on a Circular Cylinder by Radial Slot Jets. , 2005, , .		4
308	Microelectromechanical System-Based Evaporative Thermal Management of High Heat Flux Electronics. Journal of Heat Transfer, 2005, 127, 66-75.	1.2	43
309	Heat removal by aluminum-foam heat sinks in a multi-air jet impingement. IEEE Transactions on Components and Packaging Technologies, 2005, 28, 142-148.	1.4	28
310	Impingement Heat Transfer for a Cluster of Laminar Impinging Jets Issuing from Noncircular Nozzles. Drying Technology, 2005, 23, 105-130.	1.7	10
311	Modeling thermal burns due to airbag deployment. Burns, 2005, 31, 977-980.	1.1	24

#	ARTICLE	IF	CITATIONS
312	Modeling of Turbulent Heat Transfer from an Array of Submerged Jets Impinging on a Solid Surface. Numerical Heat Transfer; Part A: Applications, 2005, 48, 315-337.	1.2	34
313	Henry Granjon Prize Competition 2005 "Design and structural integrity" Localized Thermal Tensioning Technique to Prevent Buckling Distortion. Welding in the World, Le Soudage Dans Le Monde, 2005, 49, 4-14.	1.3	6
314	Improved De-icing of an Inclined Windshield Surface. , 2005, , .		1
315	Impingement Heat Transfer: Correlations and Numerical Modeling. Journal of Heat Transfer, 2005, 127, 544-552.	1.2	227
316	Parametric Investigation of a Bleed Air Ice Protection System. , 2006, , .		23
317	Analysis of Surface Temperature Fluctuations Induced by Slot Jet Impingement. , 2006, , .		1
318	CFD Heat Transfer Predictions of a Single Circular Jet Impinging with Crossflow. , 2006, , .		11
319	Application of a sensitivity equation method to compressible subsonic impinging jets. , 2006, , .		3
320	Jet Impingement Heat Transfer: Physics, Correlations, and Numerical Modeling. Advances in Heat Transfer, 2006, 39, 565-631.	0.4	591
321	Development of an Internal Liquid Cooling System for CPU Using RP Technology. , 2006, , .		3
322	Direct Liquid Cooling of High Flux Micro and Nano Electronic Components. Proceedings of the IEEE, 2006, 94, 1549-1570.	16.4	190
323	Ignition Delay and Limit of Ignitability for Sodium Pool. JSME International Journal Series B, 2006, 49, 92-101.	0.3	5
324	Heat Transfer from an Inflow-Type Swirling Turbulent Impinging Jet. JSME International Journal Series B, 2006, 49, 995-999.	0.3	18
325	Jet Impingement Heat Transfer in Gas Turbine Systems. Annals of the New York Academy of Sciences, 2001, 934, 147-161.	1.8	151
326	CONJUGATE HEAT TRANSFER ASSOCIATED WITH A TURBULENT HOT AIR JET IMPINGING ON A CYLINDRICAL OBJECT. Journal of Food Process Engineering, 2006, 29, 386-399.	1.5	18
327	Numerical Simulation and Experimental Investigation of Conjugate Heat Transfer between a Turbulent Hot Air Jet Impinging on a Cookie-shaped Object. Journal of Food Science, 2004, 69, fep59.	1.5	4
328	Mach Number Effect On Jet Impingement Heat Transfer. Annals of the New York Academy of Sciences, 2001, 934, 409-416.	1.8	15
329	Heat transfer enhancement on the upper surface of a horizontal heated plate in a pool by ion injection from a metallic point. Journal of Electrostatics, 2006, 64, 574-580.	1.0	20

#	ARTICLE	IF	CITATIONS
330	Dynamic optimization of multiple-zone air impingement drying processes. Computers and Chemical Engineering, 2006, 30, 467-489.	2.0	9
331	Nonlinear flow and heat transfer dynamics of a slot jet impinging on a slightly curved concave surface. International Communications in Heat and Mass Transfer, 2006, 33, 364-371.	2.9	21
332	Cooling of a heated flat plate by an obliquely impinging slot jet. International Communications in Heat and Mass Transfer, 2006, 33, 372-380.	2.9	29
333	Cooling an array of multiple heat sources by a row of slot air jets. International Journal of Heat and Mass Transfer, 2006, 49, 2597-2609.	2.5	15
334	Effect of nozzle geometry on pressure drop and heat transfer in submerged jet arrays. International Journal of Heat and Mass Transfer, 2006, 49, 800-804.	2.5	61
335	Self-sustained oscillations of a confined impinging jet. Flow, Turbulence and Combustion, 2006, 78, 1-15.	1.4	17
336	Impingement cooling for modern combustors: experimental analysis of heat transfer and effectiveness. Experiments in Fluids, 2006, 40, 601-611.	1.1	22
337	Slot/slots air jet impinging cooling of a cylinder for different jetsâ€“cylinder configurations. Heat and Mass Transfer, 2006, 43, 135-148.	1.2	28
338	Forced convective heat transfer with impinging slot jets of meso-scale. International Journal of Heat and Mass Transfer, 2006, 49, 406-410.	2.5	13
339	Experimental and numerical investigation of single-phase heat transfer using a hybrid jet-impingement/micro-channel cooling scheme. International Journal of Heat and Mass Transfer, 2006, 49, 682-694.	2.5	122
340	Heat transfer of impinging jet-array over convex-dimpled surface. International Journal of Heat and Mass Transfer, 2006, 49, 3045-3059.	2.5	33
341	Effective heat transfer coefficient measurement during air impingement thawing using an inverse method. International Journal of Refrigeration, 2006, 29, 281-293.	1.8	52
342	Improvement of port wine stain laser therapy by skin preheating prior to cryogen spray cooling: A numerical simulation. Lasers in Surgery and Medicine, 2006, 38, 155-162.	1.1	26
343	Controlling of Distortion by means of Quenching in adapted Jet Fields. Materialwissenschaft Und Werkstofftechnik, 2006, 37, 92-96.	0.5	13
344	A NEW HEAT TRANSFER CORRELATION FOR IMPINGING ZONE HEAT TRANSFER ON A HOT STEEL PLATE. Canadian Metallurgical Quarterly, 2006, 45, 69-78.	0.4	6
345	Electronics Packaging Cooling: Technologies From Gas Turbine Engine Cooling. Journal of Electronic Packaging, Transactions of the ASME, 2006, 128, 215.	1.2	11
346	Numerical investigations of piston cooling using oil jet in heavy duty diesel engines. International Journal of Engine Research, 2006, 7, 411-421.	1.4	26
347	Direct Liquid Jet-Impingement Cooling With Micron-Sized Nozzle Array and Distributed Return Architecture. , 0, , .		53

#	ARTICLE	IF	CITATIONS
348	Microjet Cooler with Distributed Returns. Heat Transfer Engineering, 2007, 28, 779-787.	1.2	44
349	Calculations of Steady and Pulsating Impinging Jets—An Assessment of 13 Widely used Turbulence Models. Numerical Heat Transfer, Part B: Fundamentals, 2007, 51, 565-583.	0.6	105
350	Radial Slot Jet Impingement Flow and Heat Transfer on a Cylindrical Target. Journal of Thermophysics and Heat Transfer, 2007, 21, 548-561.	0.9	53
351	Effect of Acoustic Excitation on the Heat Transfer to an Impinging Air Jet. , 2007, , 183.		11
352	Heat Transfer Characteristics of Turbulent Impinging Jet in Impingement Angle and Curved Surface Configuration using Transient Liquid Crystal Method. Journal of Thermal Science and Technology, 2007, 2, 224-235.	0.6	3
353	State of the Art of High Heat Flux Cooling Technologies. Heat Transfer Engineering, 2007, 28, 258-281.	1.2	488
354	Numerical Simulation of Surface Heat Transfer from an Array of Hot Air Jets. , 2007, , .		2
355	Analysis of Heat Transfer from Flat Surface due to Circular Jet Impingement. , 2007, , .		0
356	Experimental Investigation of Asymmetric Heating in a High Aspect Ratio Cooling Channel with Supercritical Nitrogen. , 2007, , .		0
357	Internal Ballistics and Dynamics of VEGA Launcher Solid Rocket Motors During Ignition Transient: Firing Test Predictions and Post Firing Analysis. , 2007, , .		10
358	Experimental study of a round jet impinging on a convex cylinder. Measurement Science and Technology, 2007, 18, 1800-1810.	1.4	14
359	Acoustically enhanced boiling heat transfer. , 2007, , .		2
360	Development of an Internal Liquid Cooling System for CPU using CAE. , 2007, , .		3
361	Experimental Investigation of a Bleed Air Ice Protection System. , 0, , .		4
362	Experimental and Numerical Investigations of Jet Impingement Cooling of Piston of Heavy-Duty Diesel Engine for Controlling the Non-Tail Pipe Emissions. , 2007, , .		6
363	Design of a jet impingement cooling device for densely packed PV cells under high concentration. Solar Energy, 2007, 81, 1014-1024.	2.9	153
364	Nonlinear flow and heat transfer dynamics of impinging jets onto slightly-curved surfaces. Applied Thermal Engineering, 2007, 27, 2600-2608.	3.0	24
365	A study of the heat transfer characteristics of turbulent round jet impinging on an inclined concave surface using liquid crystal transient method. Experimental Thermal and Fluid Science, 2007, 31, 559-565.	1.5	31

#	ARTICLE	IF	CITATIONS
366	Cooling of two smooth cylinders in row by a slot jet of air with low turbulence. Applied Thermal Engineering, 2007, 27, 2415-2425.	3.0	25
367	Flow field analysis of a turbulent slot air jet impinging on a moving flat surface. International Journal of Heat and Fluid Flow, 2007, 28, 708-719.	1.1	56
368	Experimental study of turbulent round jet flow impinging on a square cylinder laid on a flat plate. International Journal of Heat and Fluid Flow, 2007, 28, 1327-1339.	1.1	11
369	Effects of Mach number and Reynolds number on jet array impingement heat transfer. International Journal of Heat and Mass Transfer, 2007, 50, 367-380.	2.5	67
370	Forced convective heat transfer with impinging rectangular jets. International Journal of Heat and Mass Transfer, 2007, 50, 1916-1926.	2.5	86
371	Measurements on steady state heat transfer and flow structure and new correlations for heat and mass transfer in submerged impinging jets. International Journal of Heat and Mass Transfer, 2007, 50, 3957-3965.	2.5	82
372	Influence of a pulsation on heat transfer and flow structure in submerged impinging jets. International Journal of Heat and Mass Transfer, 2007, 50, 3638-3648.	2.5	88
373	Air-impingement cooling of boiled eggs: Analysis of flow visualization and heat transfer. Journal of Food Engineering, 2007, 79, 920-928.	2.7	30
374	Thermodynamic and gas-dynamic aspects of the guniting of converter linings. Steel in Translation, 2007, 37, 92-98.	0.1	2
375	3C PIV and PLIF measurement in turbulent mixing. Journal of Visualization, 2007, 10, 99-110.	1.1	18
376	Oscillatory thermal structures in a reattaching jet flow. Journal of Visualization, 2007, 10, 389-396.	1.1	2
377	Coating Weight Model for the Continuous Hot-Dip Galvanizing Process. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2007, 38, 413-424.	1.0	34
378	An experimental study on the characteristics of heat transfer on the turbulent round impingement jet according to the inclined angle of convex surface using the liquid crystal transient method. Experimental Thermal and Fluid Science, 2007, 31, 711-719.	1.5	15
379	Oscillatory thermal structures induced by unconfined slot jet impingement. Experimental Thermal and Fluid Science, 2007, 32, 682-695.	1.5	8
380	Numerical study of transient conjugate heat transfer of a turbulent impinging jet. International Journal of Heat and Mass Transfer, 2007, 50, 799-807.	2.5	49
381	Jet impingement heat transfer – Part I: Mean and root-mean-square heat transfer and velocity distributions. International Journal of Heat and Mass Transfer, 2007, 50, 3291-3301.	2.5	193
382	On temperatures and tool wear in machining hypereutectic Al-Si alloys with vortex-tube cooling. International Journal of Machine Tools and Manufacture, 2007, 47, 635-645.	6.2	69
383	Heat transfer augmentation between impinging circular air jet and flat plate using finned surfaces and vortex generators. Experimental Thermal and Fluid Science, 2008, 32, 1168-1187.	1.5	36

#	ARTICLE	IF	CITATIONS
384	Heat transfer enhancement on a flat surface with axisymmetric detached ribs by normal impingement of circular air jet. <i>International Journal of Heat and Fluid Flow</i> , 2008, 29, 1279-1294.	1.1	62
385	Performance of synthetic jet actuators based on hybrid and double-acting principles. <i>Journal of Visualization</i> , 2008, 11, 221-229.	1.1	30
386	Experimental investigations of flow field and heat transfer characteristics due to periodically pulsating impinging air jets. <i>Heat and Mass Transfer</i> , 2008, 45, 193-206.	1.2	31
387	Heat/mass transfer measurement on concave surface in rotating jet impingement. <i>Journal of Mechanical Science and Technology</i> , 2008, 22, 1952-1958.	0.7	38
388	The physics of unsteady jet impingement and its heat transfer performance. <i>Acta Mechanica</i> , 2008, 201, 171-184.	1.1	49
389	Scale, boundary and inlet condition effects on impinging jets. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2008, 96, 2383-2402.	1.7	81
390	Application of pressure and temperature sensitive paints for study of heat transfer to a circular impinging air jet. <i>International Journal of Thermal Sciences</i> , 2008, 47, 749-757.	2.6	24
391	Excitational metamorphosis of surface flowfield under an impinging annular jet. <i>Chemical Engineering Journal</i> , 2008, 144, 312-316.	6.6	8
392	Performance of jet impingement in unglazed air collectors. <i>Solar Energy</i> , 2008, 82, 389-398.	2.9	78
393	Flow field and heat transfer characteristics in an oblique slot jet impinging on a flat plate. <i>International Communications in Heat and Mass Transfer</i> , 2008, 35, 873-880.	2.9	53
394	An experimental study on hot round jets impinging a concave surface. <i>International Journal of Heat and Fluid Flow</i> , 2008, 29, 945-956.	1.1	94
395	Convective heat transfer on a rotating disk with a centred impinging round jet. <i>International Journal of Heat and Mass Transfer</i> , 2008, 51, 1562-1572.	2.5	35
396	Single-phase and two-phase cooling using hybrid micro-channel/slot-jet module. <i>International Journal of Heat and Mass Transfer</i> , 2008, 51, 3825-3839.	2.5	43
397	Experimental study and theoretical analysis of local heat transfer distribution between smooth flat surface and impinging air jet from a circular straight pipe nozzle. <i>International Journal of Heat and Mass Transfer</i> , 2008, 51, 4480-4495.	2.5	255
398	Effects of jet pattern on single-phase cooling performance of hybrid micro-channel/micro-circular-jet-impingement thermal management scheme. <i>International Journal of Heat and Mass Transfer</i> , 2008, 51, 4614-4627.	2.5	50
399	Single-phase hybrid micro-channel/micro-jet impingement cooling. <i>International Journal of Heat and Mass Transfer</i> , 2008, 51, 4342-4352.	2.5	106
400	Fluctuating fluid flow and heat transfer of an obliquely impinging air jet. <i>International Journal of Heat and Mass Transfer</i> , 2008, 51, 6169-6179.	2.5	44
401	Micro-Coolers. , 2008, , 499-550.		6

#	ARTICLE	IF	CITATIONS
402	Local Heat Transfer Distribution between Smooth Flat Surface and Impinging Air Jet from a Circular Nozzle at Low Reynolds Number. , 2008, , .		1
403	Numerical Study of Plane and Round Impinging Jets using RANS Models. Numerical Heat Transfer, Part B: Fundamentals, 2008, 54, 213-237.	0.6	78
404	Prediction of surface and "under surface" temperatures on poultry muscles and poultry skins subjected to jets of superheated steam. Food Research International, 2008, 41, 16-30.	2.9	17
405	Single-phase and two-phase hybrid cooling schemes for high-heat-flux thermal management of defense electronics. Intersociety Conference on Thermal and Thermomechanical Phenomena in Electronic Systems, 2008, , .	0.0	4
406	Slot jet impingement heat transfer from an isothermal circular cylinder. , 2008, , .		3
407	Local Heat Transfer Coefficient Measurements of Flat Angled Sprays Using Thermal Test Vehicle. IEEE Semiconductor Thermal Measurement and Management Symposium, 2008, , .	0.0	2
408	Synthetic Jet Cooling Part II: Experimental Results of an Acoustic Dipole Cooler. IEEE Semiconductor Thermal Measurement and Management Symposium, 2008, , .	0.0	14
409	An Electrically Driven Impinging Liquid Jet for Direct Cooling of Heated Surfaces. , 2008, , .		3
410	Impingement Cooking of Meat Products: Effect of Variability on Final Temperature. Food Science and Technology International, 2008, 14, 241-250.	1.1	3
411	Influence of Spanwise Pitch on Local Heat Transfer for Multiple Jets with Crossflow. Journal of Thermophysics and Heat Transfer, 2008, 22, 654-668.	0.9	5
412	Numerical Simulation of Surface Heat Transfer from an Array of Hot-Air Jets. Journal of Aircraft, 2008, 45, 700-714.	1.7	20
413	The Relationship Between the Distributions of Slot-Jet-Impingement Convective Heat Transfer and the Temperature in the Cooled Solid Cylinder. Numerical Heat Transfer; Part A: Applications, 2008, 53, 1271-1293.	1.2	13
414	Air jet cooling of brake discs. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2008, 222, 995-1004.	1.1	5
415	A parametric study of liquid microjet impingement for electronics cooling. Intersociety Conference on Thermal and Thermomechanical Phenomena in Electronic Systems, 2008, , .	0.0	1
416	APPLICATION OF SECOND MOMENT CLOSURE AND HIGHER ORDER GENERALIZED GRADIENT DIFFUSION HYPOTHESIS TO IMPINGEMENT HEAT TRANSFER. Transactions of the Canadian Society for Mechanical Engineering, 2008, 32, 91-106.	0.3	5
417	A New Correlation of Nusselt Number for Impinging Jets. Heat Transfer Engineering, 2009, 30, 221-228.	1.2	42
418	Influence of Streamwise Pitch on Local Heat Transfer Distribution for In-Line Arrays of Circular Jets with Spent Air Flow in Two Opposite Directions. Experimental Heat Transfer, 2009, 22, 228-256.	2.3	8
419	Simulation of Heat Transfer From Hot-Air Jets Impinging a Three-Dimensional Concave Surface. Journal of Aircraft, 2009, 46, 721-726.	1.7	18

#	ARTICLE	IF	CITATIONS
420	Full-Field Flow Measurements and Heat Transfer of a Compact Jet Impingement Array With Local Extraction of Spent Fluid. <i>Journal of Heat Transfer</i> , 2009, 131, .	1.2	23
421	Single-Phase and Two-Phase Hybrid Cooling Schemes for High-Heat-Flux Thermal Management of Defense Electronics. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , 2009, 131, .	1.2	51
422	Single-Phase Microscale Jet Stagnation Point Heat Transfer. <i>Journal of Heat Transfer</i> , 2009, 131, .	1.2	29
423	Gas-Assisted Thin-Film Evaporation from Confined Spaces for Dissipation of High Heat Fluxes. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2009, 13, 30-53.	1.4	50
424	Residual Stress Correlation in Two Different Mitigation Techniques Using FEA. <i>Advanced Materials Research</i> , 0, 83-86, 1254-1261.	0.3	2
425	Drying-induced surface roughening of polymeric coating under periodic air blowing. <i>AIChE Journal</i> , 2009, 55, 1648-1658.	1.8	16
426	Quenching with fluid jets. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2009, 40, 408-413.	0.5	9
427	Class tempering heat transfer coefficient evaluation and air jets parameter optimization. <i>Applied Thermal Engineering</i> , 2009, 29, 1173-1179.	3.0	21
428	A numerical study of heat transfer performance of oscillatory impinging jets. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 396-406.	2.5	47
429	Heat transfer characteristics from in-line arrays of free impinging jets. <i>Heat and Mass Transfer</i> , 2009, 45, 537-543.	1.2	41
430	Statistical regression and artificial neural network analyses of impinging jet experiments. <i>Heat and Mass Transfer</i> , 2009, 45, 599-611.	1.2	3
431	Influence of streamwise pitch on the local heat transfer characteristics for in-line arrays of circular jets with crossflow of spent air in one direction. <i>Heat and Mass Transfer</i> , 2009, 45, 1167-1184.	1.2	18
432	Convective heat transfer under unsteady impinging jets: the effect of the shape of the unsteadiness. <i>Heat and Mass Transfer</i> , 2009, 45, 1519-1532.	1.2	41
433	Mixed convection cooling of a heated circular cylinder by laminar upward-directed slot jet impingement. <i>Heat and Mass Transfer</i> , 2009, 46, 225-236.	1.2	7
434	Unsteady jet impingement: Heat transfer on smooth and non-smooth surfaces. <i>International Communications in Heat and Mass Transfer</i> , 2009, 36, 103-110.	2.9	44
435	Heat transfer characteristics of a micro-scale impinging slot jet. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 3169-3175.	2.5	40
436	Influences of nozzle-plate spacing on boiling heat transfer of confined planar dielectric liquid impinging jet. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 5293-5301.	2.5	28
437	Air-water multidimensional impingement flow on vertical flat wall. <i>Nuclear Engineering and Design</i> , 2009, 239, 913-932.	0.8	1

#	ARTICLE	IF	CITATIONS
438	Enhancing impinging jet heat or mass transfer by fluidically generated flow pulsation. Chemical Engineering Research and Design, 2009, 87, 181-192.	2.7	38
439	Numerical study of mixed convection on jet impingement cooling in a horizontal porous layer-using Brinkman-extended Darcy model. International Journal of Thermal Sciences, 2009, 48, 96-104.	2.6	31
440	Influence of the shape of the nozzle on local heat transfer distribution between smooth flat surface and impinging air jet. International Journal of Thermal Sciences, 2009, 48, 602-617.	2.6	137
441	Numerical study of mixed convection on jet impingement cooling in a horizontal porous layer under local thermal non-equilibrium conditions. International Journal of Thermal Sciences, 2009, 48, 860-870.	2.6	50
442	Nozzle geometry effects in liquid jet array impingement. Applied Thermal Engineering, 2009, 29, 2211-2221.	3.0	87
443	Experimental Design and Methodology for Estimation of Local Heat Transfer Coefficient in Jet Impingement Using Transient Inverse Heat Conduction Problem. Experimental Heat Transfer, 2009, 22, 300-315.	2.3	11
444	Unsteady Mixed Convection of a Confined Jet in a Fluid-Superposed High Porosity Medium. Numerical Heat Transfer; Part A: Applications, 2009, 56, 827-845.	1.2	9
445	Heat Transfer Enhancement in Thermoelectric-Power Generation. , 2009, , .		4
446	Visualization of Mixed Convective Rolls of a Slot Jet in a Fluid-Superposed Metallic Porous Foam Heated from below. Numerical Heat Transfer; Part A: Applications, 2009, 56, 20-41.	1.2	11
447	Numerical Study of Fluid Flow and Heat Transfer Characteristics in the Leading Edge of Turbine Blades. , 2009, , .		0
448	Exit Flow Behavior of Axial Fan Flows With/Without Impingement. Journal of Fluids Engineering, Transactions of the ASME, 2009, 131, .	0.8	10
449	Numerical Analysis of a Multiple Jet Impingement System. , 2009, , .		13
450	Heat Transfer From Novel Target Surface Structures to a Normally Impinging, Submerged and Confined Water Jet. Journal of Thermal Science and Engineering Applications, 2009, 1, .	0.8	13
452	Investigation into the effect of nozzle shape on the nozzle discharge coefficient and heat and mass transfer characteristics of impinging air jets. Heat and Mass Transfer, 2010, 46, 1395-1410.	1.2	13
453	Turbulent impinging jet heat transfer enhancement due to intermittent pulsation. International Journal of Thermal Sciences, 2010, 49, 1247-1252.	2.6	104
454	Drag reduction and heat transfer in surfactant solutions with excess counterion. Journal of Non-Newtonian Fluid Mechanics, 2010, 165, 292-298.	1.0	13
455	Heat transfer measurements for jet impingement arrays with local extraction. International Journal of Heat and Fluid Flow, 2010, 31, 460-467.	1.1	28
456	Heat transfer characteristics of impinging air jets under a fixed pumping power condition. International Journal of Heat and Mass Transfer, 2010, 53, 320-326.	2.5	36

#	ARTICLE	IF	CITATIONS
457	Comparison of thermal characteristics of confined and unconfined impinging jets. International Journal of Heat and Mass Transfer, 2010, 53, 3366-3371.	2.5	54
458	Enhancement of an impingement heat transfer between turbulent mist jet and flat surface. International Journal of Heat and Mass Transfer, 2010, 53, 3156-3165.	2.5	37
459	Flow structure, wall pressure and heat transfer characteristics of impinging annular jet with/without steady swirling. International Journal of Heat and Mass Transfer, 2010, 53, 4092-4100.	2.5	59
460	Microjet array single-phase and flow boiling heat transfer with R134a. International Journal of Heat and Mass Transfer, 2010, 53, 5027-5034.	2.5	47
461	Heat transfer and fluid flow characteristics of two-phase impinging jets. International Journal of Heat and Mass Transfer, 2010, 53, 5692-5699.	2.5	26
462	Effect of orifice shape in synthetic jet based impingement cooling. Experimental Thermal and Fluid Science, 2010, 34, 246-256.	1.5	132
463	A note on unsteady impinging jet heat transfer. Experimental Thermal and Fluid Science, 2010, 34, 633-637.	1.5	5
464	Local heat transfer distribution on a flat plate impinged by a compressible round air jet. International Journal of Thermal Sciences, 2010, 49, 2157-2168.	2.6	21
465	MULTIPHASE SPRAY COOLING OF STEEL PLATES NEAR THE LEIDENFROST TEMPERATURE— EXPERIMENTAL STUDIES AND NUMERICAL MODELING. Atomization and Sprays, 2010, 20, 387-405.	0.3	8
466	Submerged Jet Impingement Cooling of a Nanostructured Plate. , 2010, , .		0
467	Tracing the Void Content Development and Identification of its Effecting Parameters during in Situ Consolidation of Thermoplastic Tape Material. Polymers and Polymer Composites, 2010, 18, 1-15.	1.0	49
469	Sidewall Effects on Heat Transfer Coefficient in a Narrow Impingement Channel. Journal of Thermophysics and Heat Transfer, 2010, 24, 123-132.	0.9	16
470	Mach Number, Reynolds Number, Jet Spacing Variations: Full Array of Impinging Jets. Journal of Thermophysics and Heat Transfer, 2010, 24, 133-144.	0.9	24
471	Thermal Stress Induced by Inclined Impinging Heating Jet on a Flat Plate. Journal of Thermophysics and Heat Transfer, 2010, 24, 218-222.	0.9	1
472	Experimental Investigation of Single-Phase Microjet Array Heat Transfer. Journal of Heat Transfer, 2010, 132, .	1.2	47
473	Heat Transfer From Novel Target Surface Structures to a 3Å—3 Array of Normally Impinging Water Jets. Journal of Thermal Science and Engineering Applications, 2010, 2, .	0.8	4
474	Submerged Jet Impingement Boiling of Saturated Water Under Sub-Atmospheric Conditions. , 2010, , .		3
475	Heat and Mass Transfer in a Permeable Fabric System Under Hot Air Jet Impingement. , 2010, , .		3

#	ARTICLE	IF	CITATIONS
476	Heat Transfer Investigations in Multiple Impinging Jets at Low Reynolds Number. , 2010, , .		10
477	An Electrically Driven Impinging Liquid Jet for Direct Cooling of Heated Surfaces. IEEE Transactions on Industry Applications, 2010, 46, 650-658.	3.3	6
478	Experimental and Numerical Investigation of Heat Transfer Characteristics of Inline and Staggered Arrays of Impinging Jets. Journal of Heat Transfer, 2010, 132, .	1.2	121
479	NUMERICAL INVESTIGATION OF JET-OBSTRUCTIONS TO AID IN ENHANCING SURFACE HEAT TRANSFER FROM AN IMPINGING 2D HOT-AIR JET. , 2010, , .		0
480	Free Liquid Jet Impingement from a Slot Nozzle to a Curved Plate. Numerical Heat Transfer; Part A: Applications, 2010, 57, 799-821.	1.2	17
481	Innovative liquid cooling configurations for high heat flux applications. , 2010, , .		0
482	Submerged liquid jet impingement cooling. , 2011, , .		5
483	The Environment Temperature Simulation Research of Gyroscope. Advanced Materials Research, 0, 328-330, 199-202.	0.3	0
484	Heat Transfer and Thermal Air Management in the Electronics and Process Industries. , 0, , .		1
485	Effect of Reynolds Number on the Turbulent Flow Structure in the Near-Wall Region of an Impinging Round Jet. , 2011, , .		1
486	Heat Induced Separation in Upward Impinging Jet Flows Experimental Verification and Underlying Mechanism. Journal of Thermal Science and Technology, 2011, 6, 93-110.	0.6	3
487	Enhancement of turbulent heat transfer during interaction of an impinging axisymmetric mist jet with a target. Journal of Applied Mechanics and Technical Physics, 2011, 52, 96-106.	0.1	7
488	Global modes in a confined impinging jet: application to heat transfer and control. Theoretical and Computational Fluid Dynamics, 2011, 25, 179-193.	0.9	22
489	Local heat transfer distribution between smooth flat surface and impinging air jet from a circular nozzle at low Reynolds numbers. Heat and Mass Transfer, 2011, 47, 237-244.	1.2	36
490	Computational flow and heat transfer of multiple circular jets impinging on a flat surface with effusion. Heat and Mass Transfer, 2011, 47, 1121-1132.	1.2	10
491	Effects of the surface roughness on heat transfer of perpendicularly impinging co-axial jet. Heat and Mass Transfer, 2011, 47, 1209-1217.	1.2	33
492	Effect of a narrow channel on heat transfer enhancement of a slot-jet impingement system. Journal of Food Engineering, 2011, 103, 366-376.	2.7	16
493	Experimental investigation of cooling of heated circular disc using inclined circular jet. International Communications in Heat and Mass Transfer, 2011, 38, 990-1001.	2.9	30

#	ARTICLE	IF	CITATIONS
494	Local heat transfer distribution on a smooth flat plate impinged by a slot jet. International Journal of Heat and Mass Transfer, 2011, 54, 727-738.	2.5	49
495	The effect of area ratio on microjet array heat transfer. International Journal of Heat and Mass Transfer, 2011, 54, 1782-1790.	2.5	55
496	Thermal analysis of cryogenically assisted abrasive jet micromachining of PDMS. International Journal of Machine Tools and Manufacture, 2011, 51, 721-730.	6.2	18
497	Experimental and numerical investigation of impingement heat transfer on a flat and micro-rib roughened plate with different crossflow schemes. International Journal of Thermal Sciences, 2011, 50, 1293-1307.	2.6	89
498	Thermal analysis on the letter mark spot of the corvette Cheonan-hit torpedo. Journal of Mechanical Science and Technology, 2011, 25, 937-943.	0.7	2
499	Characteristics of annular impinging jets with/without swirling flow by short guide vanes. Science China Technological Sciences, 2011, 54, 749-757.	2.0	14
500	Numerical simulation of flow and heat transfer from slot jets impinging on a cylindrical convex surface. Journal of Thermal Science, 2011, 20, 460-466.	0.9	11
501	Numerical study of a confined slot impinging jet with nanofluids. Nanoscale Research Letters, 2011, 6, 188.	3.1	104
502	Confined impinging twin air jets at high Reynolds numbers. Experimental Thermal and Fluid Science, 2011, 35, 355-363.	1.5	37
503	Jet impingement heat transfer from lobed nozzles. International Journal of Thermal Sciences, 2011, 50, 1199-1206.	2.6	50
504	Confined jet impingement of liquid nitrogen onto different heat transfer surfaces. Cryogenics, 2011, 51, 300-308.	0.9	25
505	Numerical study of turbulent slot jet impingement cooling on a semi-circular concave surface. International Journal of Heat and Mass Transfer, 2011, 54, 482-489.	2.5	65
506	Effect of confinement on heat transfer characteristics of a microscale impinging jet. International Journal of Heat and Mass Transfer, 2011, 54, 366-373.	2.5	8
507	Confined, milliscale unsteady laminar impinging slot jets and surface Nusselt numbers. International Journal of Heat and Mass Transfer, 2011, 54, 2408-2418.	2.5	32
508	Experimental investigation of the flow and heat transfer of an impinging jet under acoustic excitation. International Journal of Heat and Mass Transfer, 2011, 54, 3277-3290.	2.5	54
509	The effect of confinement on the flow and turbulent heat transfer in a mist impinging jet. International Journal of Heat and Mass Transfer, 2011, 54, 4266-4274.	2.5	24
510	Control of jet impingement heat transfer in crossflow by using a rib. International Journal of Heat and Mass Transfer, 2011, 54, 4157-4166.	2.5	39
511	Thermal performance of batch boiling water targets for 18F production. Applied Radiation and Isotopes, 2011, 69, 1349-1354.	0.7	15

#	ARTICLE	IF	CITATIONS
512	On the Scalability of Liquid Microjet Array Impingement Cooling for Large Area Systems. Journal of Heat Transfer, 2011, 133, .	1.2	19
513	Heat Transfer Characteristics of an Array of Impinging Gaseous Slot Jets. Advanced Materials Research, 0, 396-398, 2234-2239.	0.3	0
514	Enhancing dewatering of thermo-mechanical pulp (TMP) based papermaking through enzymatic treatment. Holzforschung, 2011, 65, 787-795.	0.9	5
515	Flow Structure in the Near-Wall Region of a Submerged Impinging Jet. Journal of Fluids Engineering, Transactions of the ASME, 2011, 133, .	0.8	12
516	Numerical Study of the Heat Transfer of Strip Cooling Process Based on Cooler Structure Characteristics. , 2011, , .		0
517	Wall shear rates and stagnation mass transfer on a plate in axisymmetric and cross impinging jets. Journal of Physics: Conference Series, 2012, 395, 012034.	0.3	1
518	Recent Trends in Computation of Turbulent Jet Impingement Heat Transfer. Heat Transfer Engineering, 2012, 33, 447-460.	1.2	137
519	Organic-vapor-liquid-solid deposition with an impinging gas jet. Journal of Applied Physics, 2012, 111, 074907.	1.1	7
520	Aerothermal Analysis of a Turbine Casing Impingement Cooling System. International Journal of Rotating Machinery, 2012, 2012, 1-10.	0.8	7
521	Pressure Losses for Jet Array Impingement With Crossflow. , 2012, , .		6
522	Heat Transfer Characteristics of an Oblique Jet Impingement Configuration in a Passage With Ribbed Surfaces. Journal of Turbomachinery, 2012, 134, .	0.9	12
523	Coupled Effects of Surface-Radiation and Buoyancy on Jet-Impingement Heat Transfer. Journal of Heat Transfer, 2012, 134, .	1.2	5
524	Experimental and Numerical Analysis of Multiple Impingement Jet Arrays for an Active Clearance Control System. , 2012, , .		3
525	Effect of Cross-Shaped Circular Jet Array on Impingement Heat Transfer. , 2012, , .		5
526	Experimental investigation on influence of porous material properties on drying process by a hot air jet. Journal of Physics: Conference Series, 2012, 395, 012139.	0.3	2
527	Numerical Study of Laminar Confined Impinging Slot Jets with Nanofluids. Advances in Mechanical Engineering, 2012, 4, 248795.	0.8	12
528	Experimental investigation for enhancement of heat transfer from cooling of electronic components by circular air jet impingement. Heat and Mass Transfer, 2012, 48, 1627-1635.	1.2	25
529	Experimental study of slot jet impingement heat transfer on a wedge-shaped surface. Heat and Mass Transfer, 2012, 48, 2095-2101.	1.2	3

#	ARTICLE	IF	CITATIONS
530	Insights into the local heat transfer of a submerged impinging jet: Influence of local flow acceleration and vortex-wall interaction. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 7728-7736.	2.5	68
531	Characteristics of low Reynolds number steady air jet impingement heat transfer over vertical flat surfaces. , 2012, , .		0
532	Comparison of synthetic and steady air jets for impingement heat transfer over vertical surfaces. , 2012, , .		2
533	Design of light-weight, single-phase liquid-cooled heat exchanger for automotive power electronics. , 2012, , .		17
534	Numerical Simulation of a Turbulent Confined Slot Impinging Jet. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 9153-9163.	1.8	8
535	Visualization of flow and heat transfer characteristics for swirling impinging jet. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 640-648.	2.9	54
536	Numerical analysis of heat transfer due to slot jets impingement onto two cylinders with different diameters. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 726-735.	2.9	16
537	CFD and correlations of the heat transfer from a wall at constant temperature to an impinging swirling jet. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 5836-5845.	2.5	39
538	Laminar flow field in a viscous liquid impinging jet confined by inclined plane walls. <i>International Journal of Thermal Sciences</i> , 2012, 59, 95-110.	2.6	10
539	Second-moment closure simulation of flow and heat transfer in a gas-droplets turbulent impinging jet. <i>International Journal of Thermal Sciences</i> , 2012, 60, 1-12.	2.6	18
540	Investigations of Electra KrF laser hibachi foil cooling with small obliquely impinging jets. <i>Fusion Engineering and Design</i> , 2012, 87, 352-358.	1.0	7
541	Numerical simulation of gas dynamics and heat exchange of jet impinging on a surface. <i>Russian Aeronautics</i> , 2012, 55, 430-434.	0.1	1
542	Study of automotive radiator cooling system for dense-array concentration photovoltaic system. <i>Solar Energy</i> , 2012, 86, 2632-2643.	2.9	25
543	Flow visualization in an annulus between co-axis rotating cylinders with a circular jet on stationary outer cylinder. <i>International Communications in Heat and Mass Transfer</i> , 2012, 39, 1119-1124.	2.9	1
544	Three-dimensional vortex dynamics and convective heat transfer in circular and chevron impinging jets. <i>International Journal of Heat and Fluid Flow</i> , 2012, 37, 22-36.	1.1	113
545	Heat transfer rate and uniformity in multichannel swirling impinging jets. <i>Applied Thermal Engineering</i> , 2012, 49, 89-98.	3.0	94
546	Flow Visualization and Heat Transfer Characteristics of Liquid Jet Impingement. <i>International Journal for Computational Methods in Engineering Science and Mechanics</i> , 2012, 13, 239-253.	1.4	7
547	Local heat transfer coefficient measurement through a visibly-transparent heater under jet-impingement cooling. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 6410-6424.	2.5	32

#	ARTICLE	IF	CITATIONS
548	Numerical Study of Impinging Cooling of a Porous Block Under a Straightening or Non-Straightening Jet Flow. Numerical Heat Transfer; Part A: Applications, 2012, 61, 502-526.	1.2	5
549	Simulation of Jet Drying of a Moist Cylinder at Low Reynolds Number. Drying Technology, 2012, 30, 631-640.	1.7	6
550	Fuzzy modeling of the forced convection heat transfer from a V-shaped plate exposed to an air slot jet. Heat Transfer - Asian Research, 2012, 41, 430-443.	2.8	11
551	Experimental investigation of the wall shear stress and the vortex dynamics in a circular impinging jet. Experiments in Fluids, 2012, 52, 1475-1489.	1.1	60
552	Wall shear rates and mass transfer in impinging jets: Comparison of circular convergent and cross-shaped orifice nozzles. International Journal of Heat and Mass Transfer, 2012, 55, 282-293.	2.5	37
553	Axisymmetric impinging jet excited by a synthetic jet system. International Journal of Heat and Mass Transfer, 2012, 55, 1279-1290.	2.5	35
554	Heat transfer enhancement from micro pin fins subjected to an impinging jet. International Journal of Heat and Mass Transfer, 2012, 55, 413-421.	2.5	83
555	Microjet array flow boiling with R134a and the effect of dissolved nitrogen. International Journal of Heat and Mass Transfer, 2012, 55, 825-833.	2.5	17
556	Thermal analysis of a low flow piezoelectric air pump. International Journal of Heat and Mass Transfer, 2012, 55, 2461-2471.	2.5	10
557	The effect of inclination on impinging jets at small nozzle-to-plate spacing. International Journal of Heat and Mass Transfer, 2012, 55, 3327-3334.	2.5	34
558	Enhancement of heat transfer coefficients by actuation against an impinging jet. International Journal of Heat and Mass Transfer, 2012, 55, 4183-4194.	2.5	11
559	Experimental investigation of flow boiling heat transfer of jet impingement on smooth and micro structured surfaces. International Journal of Heat and Mass Transfer, 2012, 55, 5093-5101.	2.5	60
560	Computational fluid dynamics (CFD) investigation of air flow and temperature distribution in a small scale bread-baking oven. Applied Energy, 2012, 89, 89-96.	5.1	55
561	Single phase cooling of large surfaces with square arrays of impinging water sprays. Applied Thermal Engineering, 2012, 36, 161-170.	3.0	12
562	Experiment-based thermal model for permeable clothing systems under hot air jet impingement conditions. International Journal of Thermal Sciences, 2012, 51, 102-111.	2.6	9
563	Flow structure and cooling behavior of air impingement on a target plate. Open Engineering, 2013, 3, .	0.7	0
564	Performance studies of energy consumption for single and multiple nozzle systems under impinging air jets. Heat and Mass Transfer, 2013, 49, 1057-1070.	1.2	9
565	Adaptive neuro-fuzzy inference system (ANFIS) to predict the forced convection heat transfer from a v-shaped plate. Heat and Mass Transfer, 2013, 49, 789-798.	1.2	13

#	ARTICLE	IF	CITATIONS
566	Convective Heat Transfer in an Impinging Synthetic Jet: A Numerical Investigation of a Canonical Geometry. <i>Journal of Heat Transfer</i> , 2013, 135, .	1.2	22
567	LES of a Turbulent Slot Impinging Jet to Predict Fluid Flow and Heat Transfer. <i>Numerical Heat Transfer; Part A: Applications</i> , 2013, 64, 759-776.	1.2	15
568	Visualization and structure of confined, milliscale, unsteady impinging slot jets and associated vortices. <i>Experiments in Fluids</i> , 2013, 54, 1.	1.1	7
569	Jet Impingement Heat Transfer Using Air-Laden Nanoparticles With Encapsulated Phase Change Materials. <i>Journal of Heat Transfer</i> , 2013, 135, .	1.2	13
570	Heat Transfer in an Oblique Jet Impingement Configuration With Varying Jet Geometries. <i>Journal of Turbomachinery</i> , 2013, 135, .	0.9	8
571	Flow and heat transfer characteristics of transverse perforated ribs under impingement jets. <i>International Journal of Heat and Mass Transfer</i> , 2013, 66, 244-260.	2.5	34
572	Comparison of empirical correlations and a two-equation predictive model for heat transfer to arbitrary arrays of single-phase impinging jets. <i>International Journal of Heat and Mass Transfer</i> , 2013, 66, 772-780.	2.5	12
573	Recent development of vortex ring impinging onto the wall. <i>Science China Technological Sciences</i> , 2013, 56, 2447-2455.	2.0	13
574	Experimental investigation on heat transfer enhancement of mist/air impingement jet. <i>Science China Technological Sciences</i> , 2013, 56, 2456-2464.	2.0	14
575	Numerical investigation of electrohydrodynamic plumes for locally enhanced cooling in dielectric liquids. , 2013, , .		0
576	Experimental and Numerical Analysis of Multiple Impingement Jet Arrays for an Active Clearance Control System. <i>Journal of Turbomachinery</i> , 2013, 135, .	0.9	21
577	Steady and Unsteady Air Impingement Heat Transfer for Electronics Cooling Applications. <i>Journal of Heat Transfer</i> , 2013, 135, .	1.2	26
578	Experimental and numerical investigation of narrow impingement cooling channels. <i>International Journal of Heat and Mass Transfer</i> , 2013, 67, 1208-1219.	2.5	44
579	Hysteresis in annular impinging jets. <i>Experimental Thermal and Fluid Science</i> , 2013, 44, 565-570.	1.5	23
580	Deformation and dewetting of thin liquid films induced by moving gas jets. <i>Journal of Colloid and Interface Science</i> , 2013, 407, 505-515.	5.0	14
581	Effect of VHF excitation frequency on localized deposition of silicon in non-equilibrium-plasma-enhanced CVD by an under-expanded supersonic jet. <i>Surface and Coatings Technology</i> , 2013, 225, 75-78.	2.2	4
582	Experimental analysis of the aero-acoustic coupling in a plane impinging jet on a slotted plate. <i>Fluid Dynamics Research</i> , 2013, 45, 045503.	0.6	18
583	Pressure distribution on a semi-circular concave surface impinged by a single row of circular jets. <i>Experimental Thermal and Fluid Science</i> , 2013, 46, 162-174.	1.5	12

#	ARTICLE	IF	CITATIONS
584	Local two-phase heat transfer from arrays of confined and submerged impinging jets. International Journal of Heat and Mass Transfer, 2013, 67, 487-498.	2.5	53
585	LES simulations of an impinging jet: On the origin of the second peak in the Nusselt number distribution. International Journal of Heat and Mass Transfer, 2013, 57, 356-368.	2.5	111
586	Flow and heat transfer characteristics of single jet impinging on protrusioned surface. International Journal of Heat and Mass Transfer, 2013, 58, 18-28.	2.5	42
587	Flow and Heat Transfer of a Micro Jet Impinging on a Heated Chip: Part I—Micro Free and Impinging Jet Flow. Nanoscale and Microscale Thermophysical Engineering, 2013, 17, 50-68.	1.4	9
588	Numerical Simulation of the Jet Impingement Cooling of a Circular Cylinder. Numerical Heat Transfer; Part A: Applications, 2013, 64, 153-185.	1.2	49
589	Optimisation of the energy efficiency of bread-baking ovens using a combined experimental and computational approach. Applied Energy, 2013, 112, 918-927.	5.1	33
590	Study of mixed convection characteristics of confined planar jet impingement using the direct temperature gradient interferometric method. International Journal of Thermal Sciences, 2013, 71, 205-215.	2.6	13
591	Experimental and numerical investigation of jet impingement cooling of a circular cylinder. International Journal of Heat and Mass Transfer, 2013, 60, 672-688.	2.5	74
592	Heat Transfer Enhancement by Detached-Ribs on a Surface Subjected to Jet Impingement. Journal of Thermophysics and Heat Transfer, 2013, 27, 355-360.	0.9	6
593	Heat Transfer Enhancement by Jet Impingement on a Flat Surface with Detached-Ribs under Cross-flow Conditions. Numerical Heat Transfer; Part A: Applications, 2013, 63, 921-940.	1.2	16
594	Submerged jet impingement cooling using nanostructured plates. International Journal of Heat and Mass Transfer, 2013, 59, 414-422.	2.5	16
595	Effect of Jet Shape of Square Array of Multi-Impinging Jets on Heat Transfer. , 2013, , .		3
596	Heat Transfer Measurements in a Leading Edge Geometry With Racetrack Holes and Film Cooling Extraction. Journal of Turbomachinery, 2013, 135, .	0.9	22
597	Thermal Performance Analysis and Optimization of Microjet Cooling of High-Power Light-Emitting Diodes. Journal of Thermophysics and Heat Transfer, 2013, 27, 235-245.	0.9	17
598	Extensive Parametric Study of Heat Transfer to Arrays of Oblique Impinging Jets With Phase Change. Journal of Heat Transfer, 2013, 135, .	1.2	15
599	Methods for Characterizing Convective Cryoprobe Heat Transfer in Ultrasound Gel Phantoms. Journal of Biomechanical Engineering, 2013, 135, 021002.	0.6	37
600	Flow and Heat Transfer Characteristics of Single Jet Impinging on Dimpled Surface. Journal of Heat Transfer, 2013, 135, .	1.2	37
601	Active and Passive Flow Control of Turbomachines. International Journal of Rotating Machinery, 2013, 2013, 1-1.	0.8	0

#	ARTICLE	IF	CITATIONS
602	Numerical Analysis of Jet Impingement Heat Transfer at High Jet Reynolds Number and Large Temperature Difference. <i>Heat Transfer Engineering</i> , 2013, 34, 801-809.	1.2	22
603	Investigation of heat transfer processes involved liquid impingement jets: a review. <i>Brazilian Journal of Chemical Engineering</i> , 2013, 30, 413-435.	0.7	59
604	Laminar and Turbulent Impinging Jet in Drag Reducing Surfactant Solutions. <i>Nihon Reoroji Gakkaishi</i> , 2013, 41, 67-73.	0.2	3
605	Large Eddy Simulation of Two-Dimensional Impingement Jet Heat Transfer Enhanced by a Rib Turbulator. <i>Journal of Smart Processing</i> , 2013, 2, 272-279.	0.0	1
606	Enhancement of Two-Dimensional Impingement Jet Heat Transfer with Rib Turbulators Placed in Wall Jet Region. <i>Journal of Smart Processing</i> , 2013, 2, 263-271.	0.0	0
607	Development of Temperature Estimation Method of Whole Engine Considering Heat Balance under Vehicle Running Conditions. <i>SAE International Journal of Engines</i> , 0, 8, 120-134.	0.4	4
608	A Three-Dimensional Analysis of the Suspension Plasma Spray Impinging on a Flat Substrate. <i>Journal of Thermal Spray Technology</i> , 2015, 24, 11.	1.6	32
609	Annular Impinging Jet Controlled by Radial Synthetic Jets. <i>Heat Transfer Engineering</i> , 2014, 35, 1450-1461.	1.2	19
610	Numerical Investigation on Jet Impingement Behaviors Affected by a Vertically Rotating Disk Suspended Close to the Surface. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-11.	0.6	1
611	Circumferential analysis of a simulated three-dimensional downburst-producing thunderstorm outflow. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2014, 135, 182-190.	1.7	14
612	Heat Transfer Characteristics of an Inclined Impinging Jet on a Curved Surface in Crossflow. <i>Journal of Heat Transfer</i> , 2014, 136, .	1.2	18
613	Confined Jet Impingement With Boiling on a Variety of Enhanced Surfaces. <i>Journal of Heat Transfer</i> , 2014, 136, .	1.2	31
614	Evidence of flow vortex signatures on wall fluctuating temperature using unsteady infrared thermography for an acoustically forced impinging jet. <i>International Journal of Heat and Fluid Flow</i> , 2014, 50, 38-50.	1.1	12
615	Oscillation and heat transfer in upward laminar impinging jet flows. <i>International Journal of Heat and Fluid Flow</i> , 2014, 50, 316-329.	1.1	3
616	Design of a self-adjusted jet impingement system for cooling of photovoltaic cells. <i>Energy Conversion and Management</i> , 2014, 83, 48-57.	4.4	54
617	Laser imaging investigation of transient heat transfer processes in turbulent nitrogen jets impinging on a heated wall. <i>International Journal of Heat and Mass Transfer</i> , 2014, 74, 101-112.	2.5	26
618	Time and phase average heat transfer in single and twin circular synthetic impinging air jets. <i>International Journal of Heat and Mass Transfer</i> , 2014, 73, 776-788.	2.5	67
619	Heat transfer from a flat surface to an inclined impinging jet. <i>Heat and Mass Transfer</i> , 2014, 50, 915-922.	1.2	20

#	ARTICLE	IF	CITATIONS
620	Heat transfer characteristics of a rotating cylinder with a lateral air impinging jet. International Journal of Heat and Mass Transfer, 2014, 70, 235-249.	2.5	26
621	Large eddy simulation of multiple impinging jets in hexagonal configuration " Mean flow characteristics. International Journal of Heat and Fluid Flow, 2014, 46, 147-157.	1.1	17
622	Heat transfer enhancement of impinging jets with fractal-generated turbulence. International Journal of Heat and Mass Transfer, 2014, 75, 173-183.	2.5	63
623	Experimental and numerical investigation of geometry effects on multiple impinging air jets. International Journal of Heat and Mass Transfer, 2014, 75, 685-703.	2.5	91
624	Effect of intermittent and sinusoidal pulsed flows on impingement heat transfer from a concave surface. International Journal of Thermal Sciences, 2014, 76, 118-127.	2.6	28
625	Heat transfer of a circular impinging jet on a circular cylinder in crossflow. International Journal of Thermal Sciences, 2014, 78, 1-8.	2.6	42
626	Pulsating nanofluids jet impingement cooling of a heated horizontal surface. International Journal of Heat and Mass Transfer, 2014, 69, 54-65.	2.5	128
627	Effects of pin fin shape and configuration on the single-phase heat transfer characteristics of jet impingement on micro pin fins. International Journal of Heat and Mass Transfer, 2014, 70, 856-863.	2.5	89
628	An investigation into momentum and temperature fields of a meso-scale synthetic jet. , 2014, , .		2
629	An inverse design method for a cavity receiver used in solar dish Brayton system. Solar Energy, 2014, 110, 745-755.	2.9	36
630	Advanced liquid cooling for a traction drive inverter using jet impingement and microfinned enhanced surfaces. , 2014, , .		13
631	Modeling and comparative analysis of jet impingement cooling and conventional channel cooling for photovoltaic strings. , 2014, , .		8
632	Heat transfer enhancement by an electrohydrodynamic plume induced by ion injection from a hyperbolic blade. , 2014, , .		2
633	Thermo-fluid-dynamics of submerged jets impinging at short nozzle-to-plate distance: A review. Experimental Thermal and Fluid Science, 2014, 58, 15-35.	1.5	168
634	Heat transfer under composite arrangement of pulsed and steady turbulent submerged multiple jets impinging on a flat surface. International Journal of Thermal Sciences, 2014, 86, 139-147.	2.6	32
635	A comparative study of single-/two-jet crossflow heat transfer on a circular cylinder. International Journal of Heat and Mass Transfer, 2014, 78, 588-598.	2.5	22
636	Influence of viscous flow relaxation time on self-similarity in free-surface jet impingement. International Journal of Heat and Mass Transfer, 2014, 78, 435-446.	2.5	22
637	Cooling by sub-zero cold air jet in the grinding of a cylindrical component. International Journal of Advanced Manufacturing Technology, 2014, 73, 341-352.	1.5	12

#	ARTICLE	IF	CITATIONS
638	Heat transfer from an open-wedge cavity to a symmetrically impinging slot air jet. Heat and Mass Transfer, 2014, 50, 1137-1143.	1.2	2
639	Effects of Jet-To-Target Plate Distance and Reynolds Number on Jet Array Impingement Heat Transfer. Journal of Turbomachinery, 2014, 136, .	0.9	23
640	Active control of impinging jet for modification of mixing. Journal of Mechanical Science and Technology, 2014, 28, 927-935.	0.7	3
641	Thermal simulation of System in Package (SiP) in soak zone of reflow process. , 2014, , .		3
643	Cooling the rotating shaft of a high-temperature furnace fan. Steel in Translation, 2015, 45, 646-649.	0.1	1
644	Experimental Investigations about Heat Transfer Characteristics of Irregular Impingement Jet Arrays in Typical Active Clearance Control System. , 2015, , .		0
645	Liquid Jet Impingement With an Angled Confining Wall for Spent Flow Management for Power Electronics Cooling With Local Thermal Measurements. Journal of Electronic Packaging, Transactions of the ASME, 2015, 137, .	1.2	13
646	Heat Transfer Characteristics of Cooling High Temperature Steel Plate by Single Round Jet Impingement. Heat Transfer - Asian Research, 2015, 44, 410-419.	2.8	1
647	CFD Modeling of a Supersonic Top Blown Lance in a CAS-OB Process: Development of Gas Heat and Mass Transfer Correlation. Steel Research International, 2015, 86, 1370-1378.	1.0	4
648	Technologies for Biodiesel Production in Sub-Saharan African Countries. , 2015, , .		3
649	3D Computational Methodology for Bleed Air Ice Protection System Parametric Analysis. , 2015, , .		7
650	IMPINGEMENT COOLING OF HOT METAL STRIPS IN RUNOUT TABLE - A REVIEW. Interfacial Phenomena and Heat Transfer, 2015, 3, 117-137.	0.3	7
651	Numerical Investigations on Heat Transfer of Self-Sustained Oscillation of a Turbulent Jet Flow Inside a Cavity. Journal of Heat Transfer, 2015, 137, .	1.2	6
652	Heat transfer characteristics of impinging jets: The influence of unsteadiness with different waveforms. International Communications in Heat and Mass Transfer, 2015, 66, 105-113.	2.9	21
653	Boiling Heat Transfer From an Array of Round Jets With Hybrid Surface Enhancements. Journal of Heat Transfer, 2015, 137, .	1.2	21
654	The impingement of a kHz helium atmospheric pressure plasma jet on a dielectric surface. Journal Physics D: Applied Physics, 2015, 48, 255202.	1.3	66
655	Impinging Jets. Fluid Mechanics and Its Applications, 2015, , 191-231.	0.1	4
656	Local thermal measurements of a confined array of impinging liquid jets for power electronics cooling. , 2015, , .		9

#	ARTICLE	IF	CITATIONS
657	Numerical investigation on heat transfer in an advanced new leading edge impingement cooling configuration. Propulsion and Power Research, 2015, 4, 179-189.	2.0	10
658	Experimental investigation on the mean flow field and impact force of a semi-confined round impinging jet. Fluid Dynamics Research, 2015, 47, 025501.	0.6	13
659	Optical convective heat transfer measurements using infrared thermography and frequency domain phosphor thermometry. International Journal of Heat and Mass Transfer, 2015, 82, 299-308.	2.5	14
660	Numerical Investigation of Electrohydrodynamic Plumes for Locally Enhanced Cooling in Dielectric Liquids. IEEE Transactions on Industry Applications, 2015, 51, 669-678.	3.3	11
661	Energy thermal management in commercial bread-baking using a multi-objective optimisation framework. Applied Thermal Engineering, 2015, 80, 141-149.	3.0	22
662	Heat transfer and flow structure of a multichannel impinging jet. International Journal of Thermal Sciences, 2015, 90, 323-338.	2.6	39
663	Impingement heat/mass transfer to hybrid synthetic jets and other reversible pulsating jets. International Journal of Heat and Mass Transfer, 2015, 85, 473-487.	2.5	33
664	Heat transfer characteristics of aluminum foam heat sinks subject to an impinging jet under fixed pumping power. International Journal of Heat and Mass Transfer, 2015, 84, 1056-1060.	2.5	33
665	Synthetic jet cross-flow interaction with orifice obstruction. International Journal of Numerical Methods for Heat and Fluid Flow, 2015, 25, 749-761.	1.6	2
666	The effect of jet location and duty cycle on the fluid mechanics of an unconfined free jet and its heat transfer on an impinging plate. International Journal of Heat and Mass Transfer, 2015, 88, 470-480.	2.5	7
667	Effect of nozzle shape on jet impingement heat transfer from a circular cylinder. International Journal of Thermal Sciences, 2015, 96, 45-69.	2.6	56
668	Conjugate heat transfer analysis of an impinging receiver design for a dish-Brayton system. Solar Energy, 2015, 119, 298-309.	2.9	38
669	Characterization of air-cooled heat transfer using round and slot nozzles. Science and Technology for the Built Environment, 2015, 21, 396-402.	0.8	0
670	Laboratory Experiments on Oil-Jet Cooling of Internal Combustion Engine Pistons: Area-Average Correlation of Oil-Jet Impingement Heat Transfer. Journal of Energy Engineering - ASCE, 2015, 141, .	1.0	10
671	Experimental and numerical investigation of heat transfer coefficients in gaseous impinging jets – First test of a recent sensor concept for steady and unsteady flow. International Journal of Thermal Sciences, 2015, 96, 290-304.	2.6	6
672	Numerical modeling of a turbulent semi-confined slot jet impinging on a concave surface. Thermal Science, 2015, 19, 129-140.	0.5	11
673	Experimental and Numerical Investigations on Steady and Unsteady Jet Impingement Cooling for High-Power Electronics. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2015, 5, 636-640.	1.4	6
674	Achieving Heat Flux Uniformity Using an Optimal Arrangement of Impinging Jet Arrays. Journal of Heat Transfer, 2015, 137, .	1.2	14

#	ARTICLE	IF	CITATIONS
675	Direct numerical simulation of a turbulent jet impinging on a heated wall. Journal of Fluid Mechanics, 2015, 764, 362-394.	1.4	89
676	A numerical study of heat transfer in a turbulent pulsating impinging jet. Canadian Journal of Chemical Engineering, 2015, 93, 959-969.	0.9	18
677	Convective heat transfer for multiple rows of impinging air jets with small jet-to-jet spacing in a semi-confined channel. International Journal of Heat and Mass Transfer, 2015, 86, 832-842.	2.5	54
678	The Consequence of Target Surface Curvature in the Jet Impingement Cooling. Applied Mechanics and Materials, 0, 766-767, 1148-1152.	0.2	1
679	Numerical thermal analysis and optimization of a water jet impingement cooling with VOF two-phase approach. International Communications in Heat and Mass Transfer, 2015, 68, 162-171.	2.9	13
680	Experimental and Numerical Study of Deposition in Pin Fin Arrays with Impingement Cooling Jets. , 2015, , .		2
681	Conjugate Jet Impingement Heat Transfer Investigation via Transient Thermography Method. Journal of Thermophysics and Heat Transfer, 2015, 29, 737-746.	0.9	7
682	Circular air jet impingement cooling of a circular cylinder with flow confinement. International Journal of Heat and Mass Transfer, 2015, 91, 969-989.	2.5	18
683	Experimental Investigation of Heat Transfer for a Jet Impinging Obliquely on a Flat Surface. Experimental Heat Transfer, 2015, 28, 378-391.	2.3	28
684	Stagnation Region Heat Transfer for Circular Jets Impinging on a Flat Plate. Experimental Heat Transfer, 2015, 28, 139-155.	2.3	11
685	Heat transfer characteristics of laminar slot jet arrays impinging on a constant target surface temperature. Applied Thermal Engineering, 2015, 76, 252-260.	3.0	22
686	Influence of screen solidity ratio on heat transfer upon a cylinder impinged by a rectangular jet. International Journal of Heat and Mass Transfer, 2015, 81, 19-27.	2.5	16
687	Numerical study of fluid flow and heat transfer characteristics in an intermittent turbulent impinging round jet. International Journal of Thermal Sciences, 2015, 87, 85-93.	2.6	37
688	Measurements of skin friction and heat transfer beneath an impinging slot jet. Experimental Thermal and Fluid Science, 2015, 60, 213-222.	1.5	7
689	Heat transfer characteristics of impinging steady and synthetic jets over vertical flat surface. International Journal of Heat and Mass Transfer, 2015, 80, 825-834.	2.5	48
690	Thermal Mapping Using Infrared Thermography. , 2016, , 215-250.		3
691	Flow Visualization. , 2016, , 15-59.		4
692	Pneumatic Measurements for Pressure, Velocity, and Flow-direction. , 2016, , 61-100.		2

#	ARTICLE	IF	CITATIONS
693	Fast-response Velocity and Shear Stress Measurements. , 2016, , 101-123.		0
694	Evaluation of Cooling Performance in Intensive Cooling with High Water Flow Rate and Effect of Controlled Rolling Just after Cooling on Mechanical Properties. ISIJ International, 2016, 56, 294-302.	0.6	4
695	Steady regime of a turbulent plane jet flowing into a rectangular hot cavity. Progress in Computational Fluid Dynamics, 2016, 16, 179.	0.1	5
696	Investigation of an impinging heated jet for a small nozzle-to-plate distance and high Reynolds number: An extensive experimental approach. International Journal of Heat and Mass Transfer, 2016, 102, 801-815.	2.5	27
697	Vapor chamber forced convection cooling using flow boiling in open microchannels and tapered manifolds. , 2016, , .		2
698	Convective Heat Transfer From a Heated Plate to the Orthogonally Impinging Air Jet. Journal of Thermal Science and Engineering Applications, 2016, 8, .	0.8	4
699	Heat Transfer Augmentation Due to Coolant Extraction on the Cold Side of Active Clearance Control Manifolds. Journal of Engineering for Gas Turbines and Power, 2016, 138, .	0.5	7
700	Experimental and Numerical Heat Transfer Investigation of an Impinging Jet Array on a Target Plate Roughened by Cubic Micro Pin Fins1. Journal of Turbomachinery, 2016, 138, .	0.9	38
701	Optimization Arrangement of Two Pulsating Impingement Slot Jets for Achieving Heat Transfer Coefficient Uniformity. Journal of Heat Transfer, 2016, 138, .	1.2	19
702	Analysis of chamber effect on intermittent pulsation. Journal of Central South University, 2016, 23, 3332-3345.	1.2	0
703	Secondary peak in the Nusselt number distribution of impinging jet flows: A phenomenological analysis. Physics of Fluids, 2016, 28, .	1.6	36
704	Correlation for single phase liquid jet impingement with an angled confining wall for power electronics cooling. , 2016, , .		2
705	Flow structures and heat transfer characteristics in arrays of submerged laminar impinging jets. Proceedings in Applied Mathematics and Mechanics, 2016, 16, 953-956.	0.2	6
706	Temperature prediction for system in package assembly during the reflow soldering process. International Journal of Heat and Mass Transfer, 2016, 98, 1-9.	2.5	23
707	Forced convective heat transfer on a horizontal circular cylinder due to multiple impinging circular jets. Applied Thermal Engineering, 2016, 105, 290-303.	3.0	17
708	Heat and mass transfer models to understand the drying mechanisms of a porous substrate. European Physical Journal E, 2016, 39, 25.	0.7	2
709	Non-linear model predictive control to improve transient production of a hot dip galvanising line. Ironmaking and Steelmaking, 2016, 43, 541-549.	1.1	9
710	An investigation into flow and heat transfer for a slot impinging synthetic jet. International Journal of Heat and Mass Transfer, 2016, 100, 634-645.	2.5	37

#	ARTICLE	IF	CITATIONS
712	Engineering intelligent structures for energy efficiency. , 2016, , .		1
713	Heat transfer and flow structure of an impinging jet with upstream flow. International Journal of Thermal Sciences, 2016, 109, 386-400.	2.6	9
714	Gas Quenching: High-Pressure Process and Equipment Design. , 2016, , 1328-1349.		0
715	Conceptual design of helium cooling circuit for irradiation target. Progress in Nuclear Energy, 2016, 92, 54-61.	1.3	5
716	Cooling of a heating cylinder by confined impacting air jets. International Journal of Numerical Methods for Heat and Fluid Flow, 2016, 26, 2013-2032.	1.6	2
717	Computational Investigation of Impingement Cooling for Regeneratively Cooled Rocket Nozzles. , 2016, , .		0
718	Three-dimensional temperature uniformity assessment based on gray level co-occurrence matrix. Applied Thermal Engineering, 2016, 108, 689-696.	3.0	8
719	Plasma Polymerization of 3-aminopropyltriethoxysilane (APTES) by Open-Air Atmospheric Arc Plasma Jet for In-Line Treatments. Plasma Processes and Polymers, 2016, 13, 1025-1035.	1.6	22
720	Vortex dynamics and wall shear stress behaviour associated with an elliptic jet impinging upon a flat plate. Experiments in Fluids, 2016, 57, 1.	1.1	9
721	Experimental performance evaluation and modeling of jet impingement cooling for thermal management of photovoltaics. Solar Energy, 2016, 135, 605-617.	2.9	115
722	Stereo-PIV measurements of vapor-induced flow modifications in confined jet impingement boiling. International Journal of Multiphase Flow, 2016, 84, 19-33.	1.6	14
723	The effect of volumetric quality on heat transfer and fluid flow characteristics of air-assistant jet impingement. International Journal of Heat and Mass Transfer, 2016, 101, 261-266.	2.5	14
724	Influence of the orifice shape on the local heat transfer distribution and axis switching by compressible jets impinging on flat surface. International Journal of Thermal Sciences, 2016, 104, 208-224.	2.6	15
725	CFD study of slot jet impingement heat transfer with nanofluids. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2016, 230, 206-220.	1.1	11
726	The influence of the stagnation zone on the fluid dynamics at the nozzle exit of a confined and submerged impinging jet. Experiments in Fluids, 2016, 57, 1.	1.1	13
727	Characterization of Pulsating Submerged Jet—A Particle Image Velocimetry Study. Journal of Thermal Science and Engineering Applications, 2016, 8, .	0.8	12
728	Influence of Microscale Surface Modification on Impinging Flow Heat Transfer Performance. Journal of Heat Transfer, 2016, 138, .	1.2	0
729	Investigation of impinging single and twin circular synthetic jets flow field. Experimental Thermal and Fluid Science, 2016, 74, 354-367.	1.5	42

#	ARTICLE	IF	CITATIONS
730	Uniform cooling of photovoltaic panels: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 57, 1520-1544.	8.2	233
731	RANS modeling of flow structure and turbulent heat transfer in pulsed gas-droplet mist jet impingement. <i>International Journal of Thermal Sciences</i> , 2016, 100, 284-297.	2.6	11
732	Experimental Investigation of Heat Transfer Coefficient from the Impingement of a Slot Jet Using Conjugate Gradient Method with Adjoint Equation. <i>Experimental Heat Transfer</i> , 2016, 29, 657-672.	2.3	7
733	Thermal and fluid dynamic behaviors of confined laminar impinging slot jets with nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016, 70, 15-26.	2.9	59
734	Computational fluid dynamic studies on plasma facing heat sink concept for fusion tokamak application. <i>Applied Thermal Engineering</i> , 2016, 100, 1274-1291.	3.0	1
735	The influence of nozzle-to-plate spacing on heat transfer and fluid flow of submerged jet impingement. <i>International Journal of Heat and Mass Transfer</i> , 2016, 97, 66-69.	2.5	39
736	Heat transfer and entropy generation in air jet impingement on a model rough surface. <i>International Communications in Heat and Mass Transfer</i> , 2016, 72, 48-56.	2.9	46
737	Numerical analysis of turbulent round jet impingement heat transfer at high temperature difference. <i>Applied Thermal Engineering</i> , 2016, 100, 55-61.	3.0	35
738	Mixed convection cooling of a cylinder using slot jet impingement at different circumferential angles. <i>Heat and Mass Transfer</i> , 2016, 52, 1443-1453.	1.2	5
739	Blade Triggered Excitation of Periodically Unsteady Impinging Jets for Efficient Turbine Liner Segment Cooling. <i>Journal of Turbomachinery</i> , 2016, 138, .	0.9	0
740	Confined Submerged Jet Impingement Boiling of Subcooled FC-72 over Micro-Pin-Finned Surfaces. <i>Heat Transfer Engineering</i> , 2016, 37, 269-278.	1.2	15
741	Stagnation Heat Transfer on a Concave Surface Cooled by Unconfined Slot Jet. <i>Journal of Thermophysics and Heat Transfer</i> , 2016, 30, 558-566.	0.9	9
742	The effect of the cooling nozzle arrangement to the thermal performance of a solar impinging receiver. <i>Solar Energy</i> , 2016, 131, 222-234.	2.9	22
743	Experimental study of formation and development of coherent vortical structures in pulsed turbulent impinging jet. <i>Experimental Thermal and Fluid Science</i> , 2016, 74, 382-389.	1.5	30
744	Jet Impingement Heat Transfer Enhancement on a rib-roughened Flat Plate. , 2016, , .		1
745	Jet Diameter Effect on Impingement Jet Cooling on the Leading Edge of a Turbine Blade. , 2016, , .		2
746	Comparative Performance Analysis of Microjet Impingement Cooling Models with Different Spent-Flow Schemes. <i>Journal of Thermophysics and Heat Transfer</i> , 2016, 30, 466-472.	0.9	12
747	Experimental and numerical study on heat transfer characteristics of various geometrical arrangement of impinging jet arrays. <i>International Journal of Thermal Sciences</i> , 2016, 102, 26-38.	2.6	15

#	ARTICLE	IF	CITATIONS
748	Experimental and numerical investigation of impingement heat transfer on the surface with micro W-shaped ribs. <i>International Journal of Heat and Mass Transfer</i> , 2016, 93, 683-694.	2.5	44
749	Deformation control during the laser welding of a Ti6Al4V thin plate using a synchronous gas cooling method. <i>Materials and Design</i> , 2016, 90, 931-941.	3.3	23
750	2D axisymmetric transient inverse heat conduction analysis of air jet impinging on stainless steel plate with finite thickness. <i>Applied Thermal Engineering</i> , 2016, 93, 468-475.	3.0	21
751	Influence of the shape of the orifice on the local heat transfer distribution between smooth flat surface and impinging incompressible air jet. <i>Experimental Thermal and Fluid Science</i> , 2016, 70, 292-306.	1.5	20
752	On the Capability of PIV-Based Wall Pressure Estimation for an Impinging Jet Flow. <i>Flow, Turbulence and Combustion</i> , 2016, 96, 667-692.	1.4	3
753	Numerical study of the flow and heat transfer in a turbulent bubbly jet impingement. <i>International Journal of Heat and Mass Transfer</i> , 2016, 92, 689-699.	2.5	9
755	The effect of nozzle geometry on local convective heat transfer to unconfined impinging air jets. <i>Experimental Thermal and Fluid Science</i> , 2016, 70, 1-16.	1.5	29
756	Heat transfer distribution of impinging flame and air jets – A comparative study. <i>Applied Thermal Engineering</i> , 2016, 92, 42-49.	3.0	14
757	Role of Laminar Length of Round Jet Impinging on Metal Foams. <i>Journal of Thermophysics and Heat Transfer</i> , 2016, 30, 103-110.	0.9	7
758	Investigation of flow structure and heat transfer characteristics in an array of impinging slot jets. <i>Heat and Mass Transfer</i> , 2016, 52, 773-787.	1.2	26
759	Numerical investigation of semi-confined turbulent slot jet impingement on a concave surface using an Al ₂ O ₃ -water nanofluid. <i>Applied Mathematical Modelling</i> , 2016, 40, 1110-1125.	2.2	13
760	Development of a low thermal resistance water jet cooled heat sink for thermoelectric refrigerators. <i>Applied Thermal Engineering</i> , 2017, 111, 1596-1602.	3.0	36
761	Local distribution of wall static pressure and heat transfer on a smooth flat plate impinged by a slot air jet. <i>Heat and Mass Transfer</i> , 2017, 53, 611-623.	1.2	12
762	A mathematical model of heat and mass transfer in Yankee drying of tissue. <i>Drying Technology</i> , 2017, 35, 323-334.	1.7	9
763	Heat transfer and hydrodynamics of free water jet impingement at low nozzle-to-plate spacings. <i>International Journal of Heat and Mass Transfer</i> , 2017, 108, 2211-2216.	2.5	35
764	Flow field and thermal behaviour in swirling and non-swirling turbulent impinging jets. <i>International Journal of Thermal Sciences</i> , 2017, 114, 241-256.	2.6	55
765	Impingement Heat Transfer Characteric of a Sweeping Jet. , 2017, , .		18
766	Design and experimental investigations of a cylindrical microjet heat exchanger for waste heat recovery systems. <i>Applied Thermal Engineering</i> , 2017, 115, 782-792.	3.0	20

#	ARTICLE	IF	CITATIONS
767	Numerical Simulation of Oblique Air Jet Impingement on a Heated Flat Plate. Journal of Thermal Science and Engineering Applications, 2017, 9, .	0.8	5
768	Effect of Target Wall Curvature on Heat Transfer and Pressure Loss From Jet Array Impingement. Journal of Turbomachinery, 2017, 139, .	0.9	5
769	Numerical simulation of transport phenomena due to array of round jets impinging on hot moving surface. Drying Technology, 2017, 35, 1742-1754.	1.7	15
770	Aerodynamic and heat transfer analysis of a impinging jet on a concave surface. International Journal of Thermal Sciences, 2017, 114, 184-195.	2.6	16
771	Effect of Rotation on a Gas Turbine Blade Internal Cooling System: Numerical Investigation. Journal of Turbomachinery, 2017, 139, .	0.9	21
772	Experimental analysis of geometrical parameters on the performance of an inline jet plate solar air heater. Solar Energy, 2017, 148, 149-156.	2.9	33
773	Confined impinging air jet on a heated cylinder at low Mach number. International Journal of Thermal Sciences, 2017, 118, 1-11.	2.6	2
774	Aerodynamics of planar counterflowing jets. Journal of Fluid Mechanics, 2017, 821, 1-30.	1.4	16
775	Effect of joule heating and MHD in the presence of convective boundary condition for upper convected Maxwell fluid through wall jet. Journal of Molecular Liquids, 2017, 230, 230-234.	2.3	15
776	Large-eddy simulations of a turbulent jet impinging on a vibrating heated wall. International Journal of Heat and Fluid Flow, 2017, 65, 277-298.	1.1	4
777	The gas and steam turbines and combined cycle in IGCC systems. , 2017, , 497-640.		5
778	A 3D chip geometry driven predictive method for heat-loading performance of hob tooth in high-speed dry hobbing. International Journal of Advanced Manufacturing Technology, 2017, 93, 1583-1594.	1.5	8
779	An numerical investigation on the cooling capacity of needle-ring type electrostatic fluid accelerators for round plate with uniform and non-uniform heat flux. International Journal of Heat and Mass Transfer, 2017, 113, 1-5.	2.5	12
780	Numerical Analysis of a Coaxial Impingement Jet and Application for a Laser Welding of AZ91 Magnesium Alloy with Shielding Gas. Energy Procedia, 2017, 107, 237-241.	1.8	4
781	Cooling of small size irradiation specimens using impinging jets. International Communications in Heat and Mass Transfer, 2017, 84, 20-26.	2.9	5
782	Experimental investigation of the relationship between heat transfer rate and number of broken glass particles in tempering process of glass plates. Experimental Thermal and Fluid Science, 2017, 83, 260-270.	1.5	5
783	Experimental investigation of influence of Reynolds number on synthetic jet vortex rings impinging onto a solid wall. Experiments in Fluids, 2017, 58, 1.	1.1	25
784	Investigation of impingement surface geometry effects on heat transfer in a laminar confined impinging slot jet. International Journal of Heat and Mass Transfer, 2017, 115, 347-353.	2.5	12

#	ARTICLE	IF	CITATIONS
785	Experimental and numerical investigations of slot jet impingement with and without a semi-circular bottom confinement. <i>International Journal of Heat and Mass Transfer</i> , 2017, 114, 866-890.	2.5	11
786	Numerical analysis of the impact flow field of multi-orifice nozzle hydrothermal jet combined with cooling water. <i>International Journal of Heat and Mass Transfer</i> , 2017, 114, 578-589.	2.5	12
787	A semi-empirical model for two-phase heat transfer from arrays of confined impinging jets. , 2017, , .		0
788	Experimental and numerical investigation of heat transfer in an array of impingement jets on a concave surface. <i>Applied Thermal Engineering</i> , 2017, 127, 473-483.	3.0	34
789	Exergy analysis and multi-objective optimization of air cooling system for dry machining. <i>International Journal of Advanced Manufacturing Technology</i> , 2017, 93, 3175-3188.	1.5	9
790	The influence of nozzle-to-plate spacing on the circular hydraulic jump of water jet impingement. , 2017, , .		1
791	Local distribution of wall static pressure and heat transfer on a rough flat plate impinged by a slot air jet. <i>Heat and Mass Transfer</i> , 2017, 53, 2497-2515.	1.2	11
792	Experimental estimation of convective heat transfer coefficient from pulsating semi-confined impingement air slot jet by using inverse method. <i>Heat and Mass Transfer</i> , 2017, 53, 2853-2866.	1.2	6
793	Numerical Investigation on Orthogonal Impingement of Circular Air Jet on a Heated Flat Plate at Low Jet Plate Spacing. <i>Lecture Notes in Mechanical Engineering</i> , 2017, , 1673-1683.	0.3	0
794	Effect of nozzle-to-plate spacing on the development of a plane jet impinging on a heated plate. <i>Heat and Mass Transfer</i> , 2017, 53, 1305-1314.	1.2	9
795	Experimental and numerical study on the transient heat-transfer characteristics of circular air-jet impingement on a flat plate. <i>International Journal of Heat and Mass Transfer</i> , 2017, 104, 1177-1188.	2.5	34
796	Experimental investigation on thermal protection of high temperature jet impinging a cross-shaped plate. <i>Procedia Engineering</i> , 2017, 205, 3838-3845.	1.2	0
797	Micro-Coolers. , 2017, , .		2
798	Effect of Nozzle Geometry and Distance on Cooling Performance of Impinging Jets. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2017, 103, 458-467.	0.1	0
799	The study of flow and heat transfer characteristics of impinging jet array mounting air-induced duct. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 243, 012001.	0.3	1
800	Heat transfer measurements with TOIRT method. <i>EPJ Web of Conferences</i> , 2017, 143, 02113.	0.1	1
801	Heat transfer investigations on methane-air premixed flame jet exiting from a circular nozzle and impinging over semi-cylindrical surfaces. <i>International Journal of Thermal Sciences</i> , 2018, 128, 105-123.	2.6	14
802	The thermal and hydrodynamic behaviour of confined, normally impinging laminar slot jets. <i>International Journal of Heat and Mass Transfer</i> , 2018, 123, 40-53.	2.5	11

#	ARTICLE	IF	CITATIONS
803	Experimental investigation into the fragment size of tempered glass. <i>Glass Structures and Engineering</i> , 2018, 3, 167-181.	0.8	25
804	Heat transfer and flow characteristics of impinging jet on a concave surface at small nozzle to surface distances. <i>Applied Thermal Engineering</i> , 2018, 138, 534-541.	3.0	36
805	Effect of vortical structures on velocity and turbulent fields in the near region of an impinging turbulent jet. <i>Physics of Fluids</i> , 2018, 30, 035107.	1.6	29
806	Numerical study of turbulent annular impinging jet flow and heat transfer from a flat surface. <i>Applied Thermal Engineering</i> , 2018, 138, 154-172.	3.0	34
807	Flow structure and heat transfer of a sweeping jet impinging on a flat wall. <i>International Journal of Heat and Mass Transfer</i> , 2018, 124, 920-928.	2.5	56
808	Flow and heat transfer of parallel multiple jets obliquely impinging on a flat surface. <i>Applied Thermal Engineering</i> , 2018, 133, 588-603.	3.0	18
809	Heat Transfer of Impinging Jet Arrays on a Ribbed Surface. <i>Journal of Thermophysics and Heat Transfer</i> , 2018, 32, 669-679.	0.9	10
810	Transient three-dimensional flow structures of oblique jet impingement on a circular cylinder. <i>Journal of Visualization</i> , 2018, 21, 397-406.	1.1	13
811	Modeling steam heat transfer in thermal protective clothing under hot steam exposure. <i>International Journal of Heat and Mass Transfer</i> , 2018, 120, 818-829.	2.5	24
812	Dependence of submerged jet heat transfer on nozzle length. <i>International Journal of Heat and Mass Transfer</i> , 2018, 121, 137-152.	2.5	18
813	Slot air jet impingement cooling over a heated circular cylinder with and without a flow confinement. <i>Applied Thermal Engineering</i> , 2018, 132, 352-367.	3.0	10
814	Preliminary Numerical Investigation on the interaction of an Impinging Jet with Cylinder Wake. , 2018, , .		1
815	Hydrodynamic jet incident on an uneven wall. <i>Mathematical Models and Methods in Applied Sciences</i> , 2018, 28, 771-827.	1.7	10
816	Heat transfer and fluid flow characteristics of a pair of interacting dual swirling flame jets impinging on a flat surface. <i>International Journal of Heat and Mass Transfer</i> , 2018, 124, 90-108.	2.5	23
817	Transient three-dimensional geometrical/thermal modelling of thermal spray: Normal-impinging jet and single straight deposits. <i>International Journal of Heat and Mass Transfer</i> , 2018, 122, 1327-1342.	2.5	4
818	Numerical Investigation of Flow and Heat Transfer from Impinging Jets on a Target Surface with Protrusions. <i>Heat Transfer Engineering</i> , 2018, 39, 568-581.	1.2	5
819	Numerical Analysis of Heat Transfer from a Moving Surface Due to Impingement of Slot Jets. <i>Heat Transfer Engineering</i> , 2018, 39, 98-106.	1.2	32
820	On numerical investigation of local Nusselt distribution between flat surface and impinging air jet from straight circular nozzle and power law correlations generation. <i>Heat Transfer - Asian Research</i> , 2018, 47, 126-149.	2.8	4

#	ARTICLE	IF	CITATIONS
821	Heat Transfer from Pulsating Laminar Impingement Slot Jet on a Flat Surface with Inlet Velocity: Sinusoidal and Square Wave. <i>Heat Transfer Engineering</i> , 2018, 39, 901-913.	1.2	8
822	Spatial temperature resolution in single-phase micro slot jet impingement cooling. <i>International Journal of Heat and Mass Transfer</i> , 2018, 118, 720-733.	2.5	15
823	Effect of the injection angle on local heat transfer in a showerhead cooling with array impingement jets. <i>International Journal of Thermal Sciences</i> , 2018, 124, 344-355.	2.6	24
824	A Combined Experimental and Numerical Investigation of the Flow and Heat Transfer Inside a Turbine Vane Cooled by Jet Impingement. <i>Journal of Turbomachinery</i> , 2018, 140, .	0.9	5
825	Effects of the stroke length and nozzle-to-plate distance on synthetic jet impingement heat transfer. <i>International Journal of Heat and Mass Transfer</i> , 2018, 117, 1019-1031.	2.5	83
826	Air jet impingement to reduce hot strip wave on a run-out table. <i>Mechanics and Industry</i> , 2018, 19, 601.	0.5	2
827	EFFECT OF THE METALLIC FOAM HEAT SINK SHAPE ON THE MIXED CONVECTION JET IMPINGEMENT COOLING OF A HORIZONTAL SURFACE. <i>Journal of Porous Media</i> , 2018, 21, 295-309.	1.0	14
828	Numerical modelling and experimental validation of jet impingement technology for professional appliances. <i>Energy Procedia</i> , 2018, 148, 90-97.	1.8	0
829	Feasibility study on direct flame impingement heating applied for the solution heat treatment, forming and cold die quenching technique. <i>Journal of Manufacturing Processes</i> , 2018, 36, 398-404.	2.8	24
830	Experimental investigation and correlation development of jet impingement heat transfer with two rows of aligned jet holes on an internal surface of a wing leading edge. <i>Chinese Journal of Aeronautics</i> , 2018, 31, 1962-1972.	2.8	15
831	Effect of Nozzle Geometry and Distance on Cooling Performance of Impinging Jets. <i>ISIJ International</i> , 2018, 58, 1500-1509.	0.6	2
832	Design Features of Optically Accessible Engines for Flow and Combustion Studies - A Review. , 0, , .		3
833	Experimental Evaluations of the Relative Contributions to Overall Effectiveness in Turbine Blade Leading Edge Cooling. , 2018, , .		3
834	Near-Wall Thermal Processes in an Inclined Impinging Jet: Analysis of Heat Transport and Entropy Generation Mechanisms. <i>Energies</i> , 2018, 11, 1354.	1.6	22
835	Experimental investigation and large eddy simulations of turbulent slot jet impingement cooling of a circular cylinder with and without a quadrilateral confinement. <i>Applied Thermal Engineering</i> , 2018, 144, 854-876.	3.0	8
836	The Experimental Investigation of Impinging Heat Transfer of Pulsation Jet on the Flat Plate. <i>Journal of Heat Transfer</i> , 2018, 140, .	1.2	4
837	Jet impingement heat transfer of a lobed nozzle: Measurements using temperature-sensitive paint and particle image velocimetry. <i>International Journal of Heat and Fluid Flow</i> , 2018, 71, 111-126.	1.1	13
838	Effect of the shape of flow confinement on turbulent slot jet impingement cooling of a heated circular cylinder. <i>International Journal of Thermal Sciences</i> , 2018, 131, 114-131.	2.6	8

#	ARTICLE	IF	CITATIONS
839	Nonuniform Jet Array Impingement on a Curved Surface. Journal of Engineering for Gas Turbines and Power, 2018, 140, .	0.5	1
840	Numerical analysis of conjugate heat transfer due to oblique impingement of turbulent slot jet onto a flat plate. AIP Conference Proceedings, 2018, , .	0.3	2
841	Numerical investigation of jet impingement cooling of a low thermal conductivity plate by supercritical pressure carbon dioxide. International Journal of Heat and Mass Transfer, 2018, 124, 1003-1010.	2.5	9
842	Separation of heat transfer components from impinging methane diffusion flames. International Journal of Heat and Mass Transfer, 2018, 126, 123-138.	2.5	10
843	Nozzle-to-target distance effect on the cooling performances of a jet-impingement helium-cooled divertor. Fusion Engineering and Design, 2018, 136, 803-808.	1.0	3
844	Heat flux measurements from a human forearm under natural convection and isothermal jets. International Journal of Heat and Mass Transfer, 2018, 123, 728-737.	2.5	7
845	Analytical re-examination of the submerged laminar jet's velocity evolution. Physics of Fluids, 2018, 30, 063604.	1.6	14
846	Effects of film cooling hole locations on flow and heat transfer characteristics of impingement/effusion cooling at turbine blade leading edge. International Journal of Heat and Mass Transfer, 2018, 126, 192-205.	2.5	22
847	Impinging jets " a short review on strategies for heat transfer enhancement. E3S Web of Conferences, 2018, 32, 01013.	0.2	2
848	Heat transfer investigations on impinging flame jets of a multi-port convex burner. Applied Thermal Engineering, 2018, 142, 793-814.	3.0	5
849	Flow Field Characteristics of Multiple Impinging Tapered Nozzles in Confined Channels for High Heat Flux Applications. , 2018, , .		3
850	Flow Structure and Heat Transfer of Jet Impingement on a Rib-Roughened Flat Plate. Energies, 2018, 11, 1550.	1.6	14
851	Database of Near-Wall Turbulent Flow Properties of a Jet Impinging on a Solid Surface under Different Inclination Angles. Fluids, 2018, 3, 5.	0.8	12
852	Ignition of ultra-lean premixed hydrogen/air by an impinging hot jet. Applied Energy, 2018, 228, 954-964.	5.1	35
853	Heat transfer enhancement on a surface of impinging jet by increasing entrainment using air-augmented duct. International Journal of Heat and Mass Transfer, 2018, 127, 751-767.	2.5	10
854	Development and validation of a semi-empirical model for two-phase heat transfer from arrays of impinging jets. International Journal of Heat and Mass Transfer, 2018, 124, 782-793.	2.5	20
855	Direct-coupled desorption for small capacity ammonia-water absorption systems. International Journal of Heat and Mass Transfer, 2018, 127, 196-205.	2.5	8
856	Heat Transfer Measurements in a Leading Edge Cooling Geometry under Rotating Conditions. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
857	Numerical Study of Impingement Cooling of Aviation Kerosene at Supercritical Conditions. Journal of Heat Transfer, 2018, 140, .	1.2	2
858	The influence of microjet array area ratio on heat transfer in the compact heat exchanger. Experimental Thermal and Fluid Science, 2018, 99, 336-343.	1.5	10
859	Particle image velocimetry and infrared thermography of turbulent jet impingement on an oscillating surface. Experimental Thermal and Fluid Science, 2018, 98, 576-593.	1.5	4
860	Acid Jetting on Carbonate Rocks: A Computational Fluid Dynamics Study at Laboratory Scale. , 2018, , .		2
861	A new method to enhance the impingement/effusion cooling performance: Applying a guiding ring to the hot side. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2019, 233, 199-210.	0.8	4
862	Quantitative visualization of vortex ring structure during wall impingement subject to background rotation. Journal of Visualization, 2019, 22, 867-876.	1.1	1
863	Numerical study on cooling performance of hybrid micro-channel/micro-jet-impingement heat sink. Journal of Mechanical Science and Technology, 2019, 33, 3555-3562.	0.7	9
864	Self-Limiting Processes in the Flame-Based Fabrication of Superhydrophobic Surfaces from Silicones. ACS Applied Materials & Interfaces, 2019, 11, 29231-29241.	4.0	11
865	Effects of expansion pipe length on heat transfer enhancement of impinging jet array. Journal of Mechanical Science and Technology, 2019, 33, 2429-2438.	0.7	2
866	Thermal and Fluid Dynamic Behaviors of Confined Slot Jets Impinging on an Isothermal Moving Surface with Nanofluids. Energies, 2019, 12, 2074.	1.6	20
867	Study of flow field and heat transfer characteristics for an interacting pair of counter-rotating dual-swirling impinging flames. International Journal of Thermal Sciences, 2019, 144, 191-211.	2.6	9
868	An anomalous curved jet emerging from laminar Poiseuille flow (gel-like behavior and breakdown of) Tj ETQq1 1 0.784314 rgBT /Over bo 2019, 63, 693-704.	1.3	1
869	Heat Transfer Measurements in Leading-Edge Cooling Geometry Under Rotating Conditions. Journal of Thermophysics and Heat Transfer, 2019, 33, 844-855.	0.9	11
870	The effects of the compressibility of the subsonic flow on heat transfer characteristics in a microscale impinging slot jet. Journal of Mechanical Science and Technology, 2019, 33, 3761-3770.	0.7	1
871	Flow and heat transfer characteristics of jets impinging on a narrowly confined concave surface. , 2019, , .		0
872	Experimental Investigation of an Oscillating Jet Induced by Cylinder Wakes. , 2019, , .		1
873	Numerical modelling on cooling assisted friction stir welding of dissimilar Al-Cu joint. Journal of Manufacturing Processes, 2019, 47, 98-109.	2.8	64
874	Dissolution and Thermal Spallation of Barre Granite Using Pure Water Hydrothermal Jets. Rock Mechanics and Rock Engineering, 2019, 52, 1339-1352.	2.6	10

#	ARTICLE	IF	CITATIONS
875	Experimental Evaluations of the Relative Contributions to Overall Effectiveness in Turbine Blade Leading Edge Cooling. <i>Journal of Turbomachinery</i> , 2019, 141, .	0.9	14
876	Estimation of thermal conductivity of low thermal conductive solid materials using the jet flush method. <i>International Communications in Heat and Mass Transfer</i> , 2019, 102, 1-13.	2.9	3
877	Turbulence characteristics of radially-confined impinging jet flows. <i>International Journal of Heat and Fluid Flow</i> , 2019, 75, 278-299.	1.1	6
878	Determination of the engine power for quenching of glass by forced convection: simplified model and experimental validation of residual stress levels. <i>Glass Structures and Engineering</i> , 2019, 4, 117-125.	0.8	6
879	Turbulence energetics in an axisymmetric impinging jet flow. <i>Physics of Fluids</i> , 2019, 31, .	1.6	8
880	Experimental Investigation of Air-Water Mist Jet Impingement Cooling Over a Heated Cylinder. <i>Journal of Heat Transfer</i> , 2019, 141, .	1.2	13
881	Local heat transfer under an array of micro jet impingement using HFE-7000. <i>Applied Thermal Engineering</i> , 2019, 158, 113716.	3.0	17
882	Heat transfer and flow field measurements of a pulsating round jet impinging on a flat heated surface. <i>International Journal of Heat and Fluid Flow</i> , 2019, 77, 278-287.	1.1	16
883	Multi-Objective Particle Swarm Based Optimization of an Air Jet Impingement System. <i>Energies</i> , 2019, 12, 1627.	1.6	11
884	Analysis of the effect of the 3C kinematic field of a confined impinging jet on a slotted plate by stereoscopic PIV. <i>European Journal of Mechanics, B/Fluids</i> , 2019, 76, 243-258.	1.2	9
885	Heat transfer correlation for a triangular protruded surface with a cross-flow jet. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2019, 44, 1.	0.8	2
886	Quantitative analysis of cooling and lubricating effects of graphene oxide nanofluids in machining titanium alloy Ti6Al4V. <i>Journal of Materials Processing Technology</i> , 2019, 271, 584-598.	3.1	58
887	Flow field features of chevron impinging synthetic jets at short nozzle-to-plate distance. <i>Experimental Thermal and Fluid Science</i> , 2019, 106, 202-214.	1.5	13
888	Microscale sets a fundamental limit to heat transfer. <i>International Communications in Heat and Mass Transfer</i> , 2019, 104, 1-7.	2.9	4
889	Heat transfer correlation of impinging jet array from pipe nozzle under fully developed flow. <i>Applied Thermal Engineering</i> , 2019, 154, 37-45.	3.0	23
890	Visualization of density variations produced by alternating-current dielectric-barrier-discharge plasma actuators using the background-oriented schlieren method. <i>Plasma Sources Science and Technology</i> , 2019, 28, 055002.	1.3	26
891	Comparison of Various RANS Models for Impinging Round Jet Cooling From a Cylinder. <i>Journal of Heat Transfer</i> , 2019, 141, .	1.2	10
892	Entropy Generation Analysis and Thermodynamic Optimization of Jet Impingement Cooling Using Large Eddy Simulation. <i>Entropy</i> , 2019, 21, 129.	1.1	24

#	ARTICLE	IF	CITATIONS
893	Characterization of Impingement Heat/Mass Transfer to the Synthetic Jet Generated by a Biomimetic Actuator. <i>Journal of Heat Transfer</i> , 2019, 141, .	1.2	6
894	Cooling of an isothermal surface having a cavity component by using CuO-water nano-jet. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 30, 2169-2191.	1.6	12
895	Numerical study of liquid jet impingement flow and heat transfer of a cone heat sink. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 29, 4074-4092.	1.6	7
896	Two-step numerical simulation of the heat transfer from a flat plate to a swirling jet flow from a rotating pipe. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2019, 30, 143-175.	1.6	10
897	Experimental investigation on thermal insulation performance of air interlayer under an impinging jet at high temperature. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 609, 032030.	0.3	1
898	Numerical study of heat transfer between impinging gas jets and solid surfaces. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 618, 012064.	0.3	2
899	Aerodynamic analysis of the asynchronous phenomenon of a impinging jet on a concave surface. <i>International Journal of Computational Fluid Dynamics</i> , 2019, 33, 421-436.	0.5	0
900	Surface Quenching by Jet Impingement – A Review. <i>Steel Research International</i> , 2019, 90, 1800285.	1.0	20
901	Prediction of Tool-Chip Interface Temperature in Cryogenic Machining of TiAl ₄ : Analytical Modeling and Sensitivity Analysis. <i>Journal of Thermal Science and Engineering Applications</i> , 2019, 11, .	0.8	3
902	Embedded Microjets for Thermal Management of High Power-Density Electronic Devices. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019, 9, 269-278.	1.4	18
903	Thermodynamic conditions for cluster formation in supersaturated boundary layer during plasma spray-physical vapor deposition. <i>Applied Surface Science</i> , 2019, 471, 950-959.	3.1	49
904	Influence of novel equilaterally staggered jet impingement over a concave surface at fixed pumping power. <i>Applied Thermal Engineering</i> , 2019, 148, 609-619.	3.0	19
905	Wärmeübertragung bei erzwungener Konvektion: Prallströmungen. <i>Springer Reference Technik</i> , 2019, , 1-9.	0.0	0
906	Effect of inclination of twin impinging turbulent jets on flow and heat transfer characteristics. <i>International Journal of Thermal Sciences</i> , 2019, 137, 490-499.	2.6	16
907	Wall distance effect on heat transfer at high flow velocity. <i>Aircraft Engineering and Aerospace Technology</i> , 2019, 91, 1180-1186.	0.7	0
908	Modeling the Continuous Heat Generation in the Cold Spray Coating Process. <i>Journal of Thermal Spray Technology</i> , 2019, 28, 108-123.	1.6	11
909	Integration of Jet Impingement Cooling With Direct Bonded Copper Substrates for Power Electronics Thermal Management. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2019, 9, 226-234.	1.4	11
910	Effect of Slot Jet Temperature on Impingement Heat Transfer Over a Heated Circular Cylinder. <i>Journal of Heat Transfer</i> , 2019, 141, .	1.2	0

#	ARTICLE	IF	CITATIONS
911	Numerical investigation on fluid dynamic and thermal behavior of a non-Newtonian Al ₂ O ₃ -water nanofluid flow in a confined impinging slot jet. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2019, 265, 11-27.	1.0	41
912	Heat transfer characteristics of impinging methane diffusion and partially premixed flames. <i>International Journal of Heat and Mass Transfer</i> , 2019, 129, 873-893.	2.5	16
913	Experimental Investigation of Impinging Heat Transfer of the Pulsed Chevron Jet on a Semicylindrical Concave Plate. <i>Journal of Heat Transfer</i> , 2019, 141, .	1.2	7
914	Self-Excited Fluidic Oscillators for Gas Turbines Cooling Enhancement: Experimental and Computational Study. <i>Journal of Thermophysics and Heat Transfer</i> , 2019, 33, 536-547.	0.9	12
915	Synthetic and Continuous Jets Impinging on a Circular Cylinder. <i>Heat Transfer Engineering</i> , 2019, 40, 1111-1125.	1.2	10
916	Irradiation Target Cooling Using Circular/Slot Air Jet. <i>Heat Transfer Engineering</i> , 2019, 40, 193-201.	1.2	0
917	High Performance Tubular Heat Exchanger with Minijet Heat Transfer Enhancement. <i>Heat Transfer Engineering</i> , 2019, 40, 772-783.	1.2	14
918	Al ₂ O ₃ -Water Nanofluid Jet Impingement Cooling With Magnetic Field. <i>Heat Transfer Engineering</i> , 2020, 41, 50-64.	1.2	39
919	Experimental Investigation on Thermal Protection of High Temperature and High Velocity Jet Impinging a Cross-Shaped plate. <i>Heat Transfer Engineering</i> , 2020, 41, 851-866.	1.2	2
920	Effect of Interactions on Flow Field and Heat Transfer Characteristics for Three Corotating Dual Swirling Flames Impinging on a Flat Surface. <i>Combustion Science and Technology</i> , 2020, 192, 701-727.	1.2	7
921	Heat Transfer and Thermal Characteristics Effects on Moving Plate Impinging from Cu-Water Nanofluid Jet. <i>Journal of Thermal Science</i> , 2020, 29, 182-193.	0.9	12
922	Experimental and numerical investigation of heat transfer characteristics of jet impingement on a flat plate. <i>Heat and Mass Transfer</i> , 2020, 56, 531-546.	1.2	23
923	Experimental and computational analysis of a row of three co-swirling impinging flames. <i>Heat and Mass Transfer</i> , 2020, 56, 365-384.	1.2	4
924	Experimental investigation of heat transfer of impinging jet on a roughened plate by a micro cubic shape. <i>Experimental Heat Transfer</i> , 2020, 33, 210-225.	2.3	13
925	Experimental and Numerical Study Upon Uniformity of Impingement Cooling With Pin-Fin Heat Sink. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2020, 10, 88-98.	1.4	6
926	The stagnation point heat transfer under partially-developed submerged jets. <i>International Journal of Heat and Mass Transfer</i> , 2020, 146, 118804.	2.5	4
927	Relevance of Free Jet Model for Soil Erosion by Impinging Jets. <i>Journal of Hydraulic Engineering</i> , 2020, 146, .	0.7	13
928	Assessment of the naphthalene sublimation technique for determination of convective heat transfer in fundamental and industrial applications. <i>Heat and Mass Transfer</i> , 2020, 56, 1487-1501.	1.2	1

#	ARTICLE	IF	CITATIONS
929	An experimental heat transfer investigation of an impingement jet array with turbulators on both target plate and impingement plate. Applied Thermal Engineering, 2020, 166, 114661.	3.0	13
930	The Impingement Heat Transfer Data of Inclined Jet in Cooling Applications: A Review. Journal of Thermal Science, 2020, 29, 1-12.	0.9	18
931	Wall jet similarity of impinging planar underexpanded jets. International Journal of Heat and Fluid Flow, 2020, 81, 108516.	1.1	13
932	Numerical investigation of effect of semi-circular confinement bottom opening angle for slot jet impingement cooling on heated cylinder. International Journal of Thermal Sciences, 2020, 149, 106148.	2.6	9
933	Enhancement of jet impingement heat transfer using surface roughness elements at different heat inputs. Experimental Thermal and Fluid Science, 2020, 112, 109995.	1.5	24
934	Turbulent multi-jet impingement cooling of a heated circular cylinder. International Journal of Thermal Sciences, 2020, 148, 106167.	2.6	23
935	Thermal Hydraulic Performance of High Porosity High Pore Density Thin Copper Foams Subject to Array Jet Impingement. , 2020, , .		1
936	Enhancing performance of photovoltaic panel by cold plate design with guided channels. IET Renewable Power Generation, 2020, 14, 1606-1617.	1.7	7
937	Effect of operating and geometrical parameters of tangential entry type dual swirling flame burner on impingement heat transfer. Applied Thermal Engineering, 2020, 181, 115936.	3.0	10
938	A comparative turbulent flow study of unconfined orthogonal and oblique slot impinging jet using large-eddy simulation. Physics of Fluids, 2020, 32, .	1.6	2
939	Collision of vortex rings upon V-walls. Journal of Fluid Mechanics, 2020, 899, .	1.4	12
940	The Challenge of Cleaning Woven Filter Cloth in the Beverage Industry—Wash Jets as an Appropriate Solution. Food Engineering Reviews, 2020, 12, 520-545.	3.1	6
941	Hot Water Deicing Method for Insulators Part 2: Analysis of Ice Melting Process, Deicing Efficiency and Safety Distance. IEEE Access, 2020, 8, 130729-130739.	2.6	2
942	Experimental Assessment of Thermal Performance and Bridging Effects of Low-Cost Sandwich Panels under a High-Temperature Impinging Jet. Materials, 2020, 13, 3620.	1.3	3
943	RANS Simulation of the Effect of Pulse Form on Fluid Flow and Convective Heat Transfer in an Intermittent Round Jet Impingement. Energies, 2020, 13, 4025.	1.6	6
944	Enhancement of heat transfer and product quality using jet reattachment nozzles in drying of food products. Drying Technology, 2022, 40, 352-370.	1.7	7
945	Numerical Analysis of Turbulent Heat Transfer in the Case of Minijets Array. Symmetry, 2020, 12, 1785.	1.1	2
946	Effect of Cylinder vortex shedding on downstream Impinging Jet Oscillation through Wake Interaction. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
947	Determination of convective heat transfer coefficient for automated fiber placement (AFP) for thermoplastic composites using hot gas torch. <i>Advanced Manufacturing: Polymer and Composites Science</i> , 2020, 6, 86-100.	0.2	5
948	Flow and heat transfer of impinging jet array associated with entrained air ducts. <i>Applied Thermal Engineering</i> , 2020, 178, 115541.	3.0	5
949	Impingement heat transfer to the synthetic jet issuing from a nozzle with an oscillating cross section. <i>International Journal of Thermal Sciences</i> , 2020, 153, 106349.	2.6	13
950	Performance analysis of different turbulence models in impinging jet cooling. <i>International Journal of Modern Physics C</i> , 2020, 31, 2050051.	0.8	2
951	Heat transfer characteristics of single circular jet impinging on a flat surface with a protrusion. <i>Heat and Mass Transfer</i> , 2020, 56, 1901-1920.	1.2	2
952	ANALYSIS OF EVAPORATIVE DRYING OF THIN INK FILMS USING HIGH-VELOCITY HOT-AIR IMPINGING JETS: A COMPREHENSIVE REVIEW. <i>Surface Review and Letters</i> , 2020, 27, 1950210.	0.5	3
953	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
954	Low Frequency Pulsating Jet Impingement Boiling and Single Phase Heat Transfer. <i>International Journal of Heat and Mass Transfer</i> , 2020, 159, 120052.	2.5	20
955	Effect of impinging jet pulsation on primary and secondary vortex characteristics. <i>International Journal of Heat and Mass Transfer</i> , 2020, 151, 119445.	2.5	9
956	Detailed investigation of staggered jet impingement array cooling performance with cubic micro pin fin roughened target plate. <i>Applied Thermal Engineering</i> , 2020, 171, 115095.	3.0	21
957	Numerical investigation of heat transfer from a plane surface due to turbulent annular swirling jet impingement. <i>International Journal of Thermal Sciences</i> , 2020, 151, 106257.	2.6	25
958	Experimental and numerical study of air-water mist jet impingement cooling on a cylinder. <i>International Journal of Heat and Mass Transfer</i> , 2020, 150, 119368.	2.5	22
959	Experimental Study of the Impact of Substrate Shape and Tilting on Particle Velocity in Suspension Plasma Spraying. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 358-367.	1.6	3
960	Multi-jet gas cooling of in-beam foils or specimens: CFD predictions of the convective heat-transfer coefficient. <i>EPJ Web of Conferences</i> , 2020, 229, 05002.	0.1	0
961	Experiment and modeling of liquid-phase flow in a venturi tube using stereoscopic PIV. <i>Nuclear Engineering and Technology</i> , 2021, 53, 79-92.	1.1	17
962	Comparison of Experimental and Computational Heat Transfer Characterization of Water Jet Impingement Array with Interspersed Fluid Extraction. <i>Heat Transfer Engineering</i> , 2021, 42, 549-564.	1.2	4
963	Drying of moist cookie doughs with innovative slot jet reattachment nozzle. <i>Drying Technology</i> , 2021, 39, 268-278.	1.7	7
964	Nanoscale heat transfer investigation of an array of impinging jet systems with different working fluids under crossflow with and without pin fins. <i>Heat Transfer</i> , 2021, 50, 81-104.	1.7	2

#	ARTICLE	IF	CITATIONS
965	Effects of pin-fin shape on cooling performance of a circular jet impinging on a flat surface. International Journal of Thermal Sciences, 2021, 161, 106684.	2.6	16
966	Thermal management of high-power LED module with single-phase liquid jet array. Applied Thermal Engineering, 2021, 184, 116270.	3.0	36
967	Flow structure and heat transfer analysis of the floatation nozzle with a moving wall. Engineering Computations, 2021, 38, 36-57.	0.7	4
968	Experimental and numerical study of heat transfer characteristics of single-phase free-surface fan jet impingement with automatic transmission fluid. International Journal of Heat and Mass Transfer, 2021, 166, 120731.	2.5	5
969	LES investigation of a Passively Excited Impinging Jet. International Journal of Heat and Mass Transfer, 2021, 165, 120705.	2.5	3
970	Time-resolved thermographic analysis of the near-wall flow of a submerged impinging water jet. Experimental Thermal and Fluid Science, 2021, 121, 110264.	1.5	2
971	Numerical study of the oscillation amplitude effect on the heat transfer of oscillatory impinging round jets. Numerical Heat Transfer, Part B: Fundamentals, 2021, 79, 70-82.	0.6	1
972	Heat Transfer Enhancement Through Array Jet Impingement on Strategically Placed High Porosity High Pore-Density Thin Copper Foams. Journal of Electronic Packaging, Transactions of the ASME, 2021, 143, .	1.2	3
973	Development of Experimental and Numerical Methods for the Analysis of Active Clearance Control Systems1. Journal of Engineering for Gas Turbines and Power, 2021, 143, .	0.5	5
974	Investigation of impingement cooling on a heat sink using CFD simulation. Materials Today: Proceedings, 2021, 46, 8753-8760.	0.9	16
975	A RANS Approach to Supercritical CO2Single-Jet Impingement at Ultra-High Reynolds Numbers. , 2021, , .		2
976	Retrospective analysis of a multi-stage experiment on developing high-performance insulation panels to sustain jet impingement at high temperatures. Construction and Building Materials, 2021, 277, 122254.	3.2	1
977	Heat transfer of multi-slot nozzles air jet impingement with different Reynolds number. Applied Thermal Engineering, 2021, 186, 116470.	3.0	12
978	Turbulent Flow and Heat Transfer Characteristics of Non-Newtonian Impinging Jets on a Flat Plate. Journal of the Institution of Engineers (India): Series C, 2021, 102, 807-820.	0.7	1
979	Heat transfer intensification of jet impingement using exciting jets - A comprehensive review. Renewable and Sustainable Energy Reviews, 2021, 139, 110684.	8.2	43
980	Experimental study of jet impingement heat transfer with microencapsulated phase change material slurry. Applied Thermal Engineering, 2021, 188, 116588.	3.0	12
981	The effects of thermal boundary conditions on the heat transfer characteristics of laminar flow in milli-scale confined impinging slot jets. International Journal of Heat and Mass Transfer, 2021, 168, 120865.	2.5	7
982	Experimental study of external lateral flow effects on turbulent isothermal upward/downward slot jets impinging inside an open cavity. International Journal of Mechanical Sciences, 2021, 198, 106343.	3.6	2

#	ARTICLE	IF	CITATIONS
983	Heat transfer in a rotating rectangular channel with impingement jet and film holes. International Journal of Thermal Sciences, 2021, 163, 106832.	2.6	8
985	Heat Transfer Measurements for Array Jet Impingement With Castellated Wall. , 2021, , .		1
986	Breath Figure Spot: a Recovery Concentration Manifestation. International Journal of Heat and Mass Transfer, 2021, 172, 121166.	2.5	1
987	Multi-physics modeling of the ignition of polymer matrix composites exposed to fire. Fire Safety Journal, 2021, 122, 103312.	1.4	4
988	Experimental and Numerical Heat Transfer Investigation of Impingement Jet Nozzle Position in Concave Double-Wall Cooling Structures. Heat Transfer Engineering, 0, , 1-11.	1.2	1
989	Evaluation of interfacial heat transfer coefficient based on the experiment and numerical simulation in the air-cooling process. Heat and Mass Transfer, 2022, 58, 337-354.	1.2	7
990	Bubble dynamics and pressure oscillation in highly subcooled water jet array impingement boiling under periodical heat flux. International Communications in Heat and Mass Transfer, 2021, 126, 105476.	2.9	5
991	Multi-objective optimization of a chip-attached micro pin fin liquid cooling system. Applied Thermal Engineering, 2021, 195, 117187.	3.0	31
992	Influence of flow-induced oscillating disturbance on the surface heat transfer of impingement flow. Korean Journal of Chemical Engineering, 0, , 1.	1.2	3
993	Updated Thermofluid Performance of the Simplified Flat Variant of the HEMJ. Fusion Science and Technology, 2021, 77, 875-882.	0.6	1
994	Microstructural and columnar growth characteristics of 7YSZ thermal barrier coatings fabricated by plasma spray physical vapor deposition. Journal of the European Ceramic Society, 2021, 41, 315-323.	2.8	8
995	Numerical investigation of jet array impingement cooling with effusion holes. Applied Thermal Engineering, 2021, 197, 117347.	3.0	18
996	Effect of interactions on impingement heat transfer in odd and even element linear arrays of co-axial flames. International Communications in Heat and Mass Transfer, 2021, 127, 105576.	2.9	1
997	Flow and heat transfer in a rotating channel with impingement cooling and film extraction. International Journal of Heat and Mass Transfer, 2021, 180, 121751.	2.5	12
998	A quadrilateral optimization method for non-linear thermal properties determination in materials at high temperatures. International Journal of Heat and Mass Transfer, 2021, 181, 121857.	2.5	7
999	Numerical investigation of conjugate heat transfer on a rotating disk under round liquid jet impingement. International Journal of Thermal Sciences, 2021, 170, 107097.	2.6	9
1000	Heat transfer and pressure drop correlations for direct on-chip microscale jet impingement cooling with alternating feeding and draining jets. International Journal of Heat and Mass Transfer, 2022, 182, 121865.	2.5	7
1001	Determining whether the swirling jet is applicable in bottom-hole cleaning: A CFD study. Journal of Petroleum Science and Engineering, 2022, 208, 109317.	2.1	2

#	ARTICLE	IF	CITATIONS
1002	CFD Simulation of the Slot Jet Impingement Heat Transfer Process and Application to a Temperature Control System for Galvanizing Line of Metal Band. Applied Sciences (Switzerland), 2021, 11, 1149.	1.3	16
1003	Liquid Cooling Devices and Their Materials Selection. Springer Series in Advanced Microelectronics, 2011, , 421-475.	0.3	2
1004	General Microscopic Approach for Bioheat Transport. , 2011, , 723-785.		1
1005	G10 Prallströmung. , 2013, , 841-850.		1
1006	k- μ Computations of Flow and Heat Transfer in Plane Oblique Impinging Jets. , 1982, , 271-282.		2
1007	Laser Generated Heat Transfer. , 2010, , 353-397.		2
1008	Single-Phase, Liquid Jet Impingement Cooling of High-Performance Chips. , 1994, , 457-506.		6
1009	NUMERICAL STUDY ON THE DIFFERENCE OF THE EDDY STRUCTURES BETWEEN PLANE AND ROUND IMPINGING JETS. , 2002, , 267-276.		2
1010	Experimental investigation on the local heat transfer with a circular jet impinging on a metal foamed flat plate. International Journal of Heat and Mass Transfer, 2020, 162, 120405.	2.5	21
1011	Convective Heat Transfer From a Stationary or Rotating MCM Disk With a Unconfined Round Jet Impingement. , 2005, , .		2
1012	Thermal control for light-weighted primary mirrors of large ground-based solar telescopes. Journal of Astronomical Telescopes, Instruments, and Systems, 2019, 5, 1.	1.0	8
1013	Impingement Drying. , 2006, , .		7
1014	Heat flux measurement techniques. , 0, .		3
1015	Numerical simulation of nickel-based alloys's™ welding transient stress using various cooling techniques. High Temperature Materials and Processes, 2020, 39, 633-644.	0.6	3
1016	HEAT TRANSFER AND TEMPERATURE DISTRIBUTIONS IN THE FLUID AND COOLED CYLINDRICAL SOLID DURING RADIAL SLOT JET IMPINGEMENT COOLING. , 2006, , .		1
1017	Flow Structures and Heat Transfer in Submerged and Free Laminar Jets. , 2014, , .		10
1018	Enhancement of Heat Transfer with Inclined Baffles and Ribs Combined. Journal of Enhanced Heat Transfer, 2002, 9, 137-151.	0.5	9
1019	SYNTHETIC JET IMPINGEMENT HEAT/MASS TRANSFER. Journal of Flow Visualization and Image Processing, 2006, 13, 67-76.	0.3	1

#	ARTICLE	IF	CITATIONS
1020	Infrared thermography study of a thermal anti-icing system. , 1994, , .		5
1021	Intensive cooling of large surfaces with arrays of jets. , 2006, , .		3
1022	Validation of Heat Conduction 2D Analytical Model in Spherical Geometries using infrared Thermography. , 2012, , .		1
1026	Features of heat transfer at interaction of an impact swirl jet with a dimple. Thermal Science, 2016, 20, 35-45.	0.5	9
1027	Analysis of heat and mass transfer of the different moist object geometries with air slot jet impinging for forced convection drying. Thermal Science, 2018, 22, 2943-2953.	0.5	9
1028	Evaluation of Cooling Performance in Intensive Cooling with High Water Flow Rate and Effect of Controlled Rolling just after Cooling on Mechanical Properties. Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan, 2014, 100, 958-965.	0.1	3
1029	Innovative gas turbine cooling techniques. Developments in Heat Transfer, 2008, , 199-229.	0.1	16
1030	Application of dynamic subgrid stress model on rectangular impinging slot jet flows. , 1997, , .		1
1031	Improvement of Dimensional Stability of Paper in a Drying Process (First Report). Kami Pa Gikyoshi/Japan Tappi Journal, 2000, 54, 827-836,022.	0.1	1
1032	A Theoretical Consideration On Heat Transfer In Fire Resistance Furnaces For Furnace Harmonization. Fire Safety Science, 1997, 5, 1033-1044.	0.3	4
1033	Effect of Injection Parameters on Jet Array Impingement Heat Transfer. International Journal of Gas Turbine, Propulsion and Power Systems, 2012, 4, 27-34.	0.4	19
1034	Simulaci3n y optimizaci3n de un horno cer3mico monocapa. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2001, 40, 377-383.	0.9	2
1035	CONJUGATE HEAT TRANSFER FROM A FLAT PLATE WITH SHOWER HEAD IMPINGING JETS. Frontiers in Heat and Mass Transfer, 2011, 2, .	0.1	5
1036	Experimental and numerical analysis of the influence of the nozzle-to-plate distance in a jet impingement process. International Journal of Thermodynamics, 2020, 23, 81-91.	0.4	4
1037	UNCERTAINTY QUANTIFICATION AND MODELLING OF CFD SIMULATIONS OF A SWIRLING TURBULENT JET CREATED BY A ROTATING PIPE FOR APPLICATION TO HEAT TRANSFER FROM A HEATED SOLID FLAT PLATE. , 2015, , .		3
1038	Heat transfer characteristics in a narrow confined channel with discrete impingement cooling. Chinese Journal of Aeronautics, 2021, 35, 220-220.	2.8	1
1039	Unsteady analysis of jet impingement under vibration conditions. Chinese Journal of Aeronautics, 2021, , .	2.8	1
1040	Opportunities in Jet-Impingement Cooling for Gas-Turbine Engines. Energies, 2021, 14, 6587.	1.6	13

#	ARTICLE	IF	CITATIONS
1041	THERMAL MANAGEMENT OF HIGH-HEAT-FLUX DEVICES EDIFICE: EMBEDDED DROPLET IMPINGEMENT FOR INTEGRATED COOLING OF ELECTRONICS. , 2000, , .		0
1043	COMBINED FLUID MECHANICS AND HEAT TRANSFER MEASUREMENTS IN NORMALLY IMPINGING SLOT JET FLOWS. , 2002, , 495-504.		1
1044	Infrared thermography study of heat transfer in an array of slot jets. , 2002, , .		1
1045	Heat Transfer of Two-Phase Impinging Jet: Heat Transfer Enhancement. , 2004, , .		0
1046	Heat Transfer of Two-Phase Impinging Jet: Two-Phase Flow in Capillary Nozzle Tubes. , 2004, , .		0
1048	Thermal Optimal Design for Multichip Module Disks With an Unconfined Round-Jet Impingement. , 2005, , .		0
1049	Fluid Flow Characteristics of a Confined Slot Jet Without or With a Target Surface. , 2005, , .		0
1050	Prediction of turbulent heat transfer in impinging jet geometries. WIT Transactions on State-of-the-art in Science and Engineering, 2005, , 135-163.	0.0	2
1051	EFFECT OF VORTICES ON JET IMPINGEMENT HEAT TRANSFER. , 2006, , .		0
1052	Drying of Pulp and Paper. , 2006, , .		0
1053	Heat Transfer Characteristics from an Impinging Jet in a Comparatively Narrow Space. Journal of the Society of Mechanical Engineers, 2007, 110, 113-116.	0.0	0
1054	Asymmetric Surface Roughness Formation on Moving Non-isothermal Liquid Coatings. International Polymer Processing, 2007, 22, 22-26.	0.3	4
1056	Effect of Turbulator on Heat/Mass Transfer for Impingement/Effusion Cooling System. Journal of Fluid Machinery, 2008, 11, 24-30.	0.3	2
1057	Wide-Beam X-Ray Source Target Thermal Management Simulation Using Inner Jet Cooling. Scholarly Research Exchange, 2009, 2009, 1-6.	0.2	1
1058	The Study of Heat Transfer on a Heated Circular Surface by an Impinging, Circular Water Jet with the Low Velocity Against the Direction of Gravity. Transactions of the Korean Society of Mechanical Engineers, B, 2009, 33, 983-991.	0.0	1
1059	Effect of nozzle shape on local heat transfer distribution in impinging jets. , 2010, , .		2
1060	Gas Quenching. , 2010, , .		1
1061	Heat Transfer Fundamentals. , 2011, , 489-557.		0

#	ARTICLE	IF	CITATIONS
1062	Thermal Fluid Analysis of the Fine Mist for Cooling of High Temperature Material. Kagaku Kogaku Ronbunshu, 2011, 37, 277-283.	0.1	0
1063	Convective Heat Transfer in Impinging- Gas- Jet Arrangements. Journal of Applied Fluid Mechanics, 2011, 4, .	0.4	8
1064	Simulation of plate deformation due to line heating considering water cooling effects. Journal of the Korea Academia-Industrial Cooperation Society, 2011, 12, 2470-2476.	0.0	1
1065	Jet impingement cooling of triangular ribbed surface with bottom exit grill (Category-Engineering). Indian Journal of Applied Research, 2011, 3, 136-137.	0.0	0
1066	IR thermography in heat transfer measurements on a wing leading edge surface internally impinged by a row of air jets. , 2012, , .		0
1068	Heat transfer phenomena and theories governing residual stress formation in glass tempering. , 2013, , 573-580.		0
1069	Active Control of Impinging Jets Using Bifurcating Excitations. Journal of the Korean Society of Manufacturing Technology Engineers, 2013, 22, 525-530.	0.1	0
1070	Experimental and Numerical Study of the Coolants Distributor for Machining Process. , 2013, , .		0
1071	STAGNATION REGION HEAT TRANSFER DUE TO A TURBULENT CIRCULAR IMPINGING AIR JETS. JES Journal of Engineering Sciences, 2013, 41, 1480-1497.	0.0	1
1073	Large Eddy Simulation of a Normally Impinging Round Air Jet with Heat Transfer at a Reynolds Number of 4400. , 0, , .		1
1074	Effect of Gas Flow Rate on the High-Rate, Localized Jet-Deposition of Silicon in SiH ₄ /H ₂ /PE-CVD. Journal of Chemical Engineering of Japan, 2014, 47, 478-482.	0.3	1
1075	IR Experimental investigation on twin synthetic impinging jets heat transfer behaviour. , 2014, , .		0
1076	Evaluation of the success of sciatic nerve blockade by skin temperature measurement through infrared thermography. , 2014, , .		1
1077	Recent Technological Progress in High Speed Continuous Annealing. Transactions of the Iron and Steel Institute of Japan, 1985, 25, 278-293.	0.2	4
1078	Heat/mass transfer for circular jet impingement in a cylindrical cavity with one end open to the ambient air. , 1989, , .		2
1081	Jet-Flow Scavenging of a Curing Oven—Part I: Flow Visualization. Journal of Electronic Packaging, Transactions of the ASME, 1995, 117, 215-219.	1.2	1
1082	Infrared thermography study of a confined impinging circular jet. , 1996, , .		1
1083	Large Eddy Simulation of Two Dimensional and Rectangular Impinging Jets. ERCOFTAC Series, 1997, , 267-278.	0.1	0

#	ARTICLE	IF	CITATIONS
1084	Modeling Separation and Reattachment Using the Turbulent Potential Model. , 1999, , 145-154.		2
1085	Studies of Turbulent Jets Impinging on Moving Surfaces. , 1999, , 783-792.		0
1086	The Study of Heat Transfer on a Isothermal Circular Surface by an Impinging, Circular Water Jets with the Low Velocity Against the Direction of Gravity. Transactions of the Korean Hydrogen and New Energy Society, 2014, 25, 449-458.	0.1	0
1087	Prediction of sacrificial material ablation rate by corium jet impingement. Journal of Energy Engineering, 2014, 23, 21-26.	0.2	1
1088	Numerical Investigation on Heat Transfer Characteristics of Single Jet Impingement Cooling. , 2015, , .		0
1089	Effect of Background Pressure on Deposition Rate and Crystallinity of Deposited Silicon in Non-Equilibrium Plasma Jet CVD. Kagaku Kogaku Ronbunshu, 2015, 41, 148-152.	0.1	0
1090	Cooling Performance of Air/Water Mist Jet Impinging for a Rapid Thermal Annealing System. Journal of the Korean Society of Manufacturing Process Engineers, 2015, 14, 68-74.	0.1	1
1091	Effect of emissivity of roof-tile coatings on their efficiency to thermally isolate architectural structures. , 0, , .		0
1092	Steady interaction of a turbulent plane jet with a rectangular heated cavity. Thermal Science, 2016, 20, 1485-1498.	0.5	1
1093	Performance Analysis of a Multiple Micro-Jet Impingements Cooling Model. Journal of Engineering Research, 2018, 15, 58.	0.2	0
1094	Numerical Investigation on an Obliquely Impinging Circular Air Jet on a Heated Flat Plate at Small Jet Plate Spacing. Lecture Notes in Mechanical Engineering, 2017, , 1663-1672.	0.3	0
1095	Impinging Jet Ignition. Springer Theses, 2018, , 159-180.	0.0	1
1096	HYSTERESIS OF PLANAR DOUBLE SLOT IMPINGING AIR JETS. EPJ Web of Conferences, 2018, 180, 02109.	0.1	0
1097	G10 WÄrmeÄ¼bertragung bei erzwungener Konvektion: PrallstrÄ¼mungen. Springer Reference Technik, 2019, , 893-901.	0.0	1
1098	Effect of Inclination of Twin Jets Impinging a Heated Wall. Journal of Applied Fluid Mechanics, 2019, 12, 403-411.	0.4	2
1099	HAVA JETÄ° Ä±ARPMALI KURUTMA Ä°Ä±Ä°N FARKLI DAÄ°RESEL NEMLÄ° NESNE GEOMETRÄ°LERÄ°NÄ°N ISI VE KÄ°TLE TRANSFERÄ° Ä°ZERÄ°NDEKÄ° ETKÄ°SÄ°NÄ°N ARAÄ±TIRILMASI. UludaÄ± University Journal of the Faculty of Engineering, 2019, 24, 51-62.	0.1	0
1100	Flow and Heat Transfer Characteristics of Inclined Jet Impingement on a Flat Plate. Journal of Polytechnic, 0, , .	0.4	2
1101	Experimental Study of Air Slot Jet Impingement Cooling From Cylinder Placed on a Flat Plate. Journal of Thermal Science and Engineering Applications, 2020, 12, .	0.8	0

#	ARTICLE	IF	CITATIONS
1102	EXHAUST TEMPERATURE ANALYSIS OF UAV PROPELLER MATERIALS. <i>Majalah Ilmiah Pengkajian Industri</i> , 2020, 14, 93-98.	0.2	1
1103	Heat transfer characteristics of flat and concave surfaces by circular and elliptical jet impingement. <i>Experimental Heat Transfer</i> , 2022, 35, 938-963.	2.3	13
1104	Cooling Characteristics of Two-Phase Impinging Jets. , 2001, , .		3
1105	Turbulent pulsations in the axisymmetrical submerged jet. <i>Journal of Physics: Conference Series</i> , 2020, 1677, 012019.	0.3	0
1106	Heat transfer and flow velocity study of a row of jets emerging from a perforated pipe at a low Reynolds number. <i>International Journal of Heat and Mass Transfer</i> , 2022, 183, 122067.	2.5	4
1107	Heat Transfer Characteristics of Microjet Impingements with Flow Extraction. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
1108	On the Stability of Subsonic Impinging Jets. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 99-116.	0.3	2
1109	Numerical Analysis of Single Jet Impinging a Flat and Non-flat Plate. <i>Lecture Notes in Computer Science</i> , 2020, , 487-495.	1.0	0
1110	Measurements and Correlations of Local Cylinder-Wall Heat-Flux Relative to Near-Wall Chemiluminescence across Multiple Combustion Modes. , 0, , .		1
1111	Effect of Jet-to-Jet Distance and Pipe Position on Flow and Heat Transfer Features of Active Clearance Control Systems. <i>Journal of Engineering for Gas Turbines and Power</i> , 2022, 144, .	0.5	2
1112	HYSTERESIS OF PLANAR DOUBLE SLOT IMPINGING AIR JETS. <i>EPJ Web of Conferences</i> , 2018, 180, 02109.	0.1	0
1114	Study on the Pre-Chamber Fueling Ratio Effect on the Main Chamber Combustion Using Simultaneous PLIF and OH* Chemiluminescence Imaging. <i>SAE International Journal of Advances and Current Practices in Mobility</i> , 0, 3, 137-149.	2.0	12
1115	Techno-economic analysis of roll-to-roll production of perovskite modules using radiation thermal processes. <i>Applied Energy</i> , 2022, 307, 118200.	5.1	16
1116	Cooling Characteristic of a Wall Jet for Suppressing Crossflow Effect under Conjugate Heat Transfer Condition. <i>Aerospace</i> , 2022, 9, 29.	1.1	7
1117	Separation of conduction and convection heat transfer effects for a metal foamed flat plate impinged by a circular jet. <i>International Journal of Heat and Mass Transfer</i> , 2022, 185, 122387.	2.5	7
1118	Thermal Management System Design for More Electric Aircraft Avionics using Evaporative Spray Cooling. , 2020, , .		2
1119	Development of Experimental and Numerical Methods for the Analysis of Active Clearance Control Systems. , 2020, , .		0
1120	Combined effects of local curvature and elasticity of an isothermal wall for jet impingement cooling under magnetic field effects. <i>Journal of Central South University</i> , 2021, 28, 3534-3544.	1.2	4

#	ARTICLE	IF	CITATIONS
1121	Near-field and far-field effects of heating in an over-expanded Mach 2 diamond jet.. , 2022, , .		4
1122	2D PIV analysis of the flow dynamics of multiple jets impinging on a complex moving plate. International Journal of Heat and Mass Transfer, 2022, 188, 122600.	2.5	16
1124	Effect of Dry Ice Jet Velocity on Cooling Characteristics of Electronic Chip Based on Optimized H/D. SSRN Electronic Journal, 0, , .	0.4	0
1125	Heat Transfer Enhancement of Array Continuous-Jet Impingement with an Integrated Central Synthetic Jet. SSRN Electronic Journal, 0, , .	0.4	0
1126	Drying and Coating of Perovskite Thin Films: How to Control the Thin Film Morphology in Scalable Dynamic Coating Systems. ACS Applied Materials & Interfaces, 2022, 14, 11300-11312.	4.0	12
1127	Towards an Understanding of Multiphase Fluid Dynamics of a Microfluid Jet Polishing Process: A Numerical Analysis. Fluids, 2022, 7, 119.	0.8	7
1128	Numerical analysis of the Sodium-Water Reaction in a minichannel to evaluate the safety of a Printed Circuit Steam Generator. Journal of Nuclear Science and Technology, 0, , 1-21.	0.7	0
1129	Numerical Simulation of Heat Removal from a Window Slab Partition of a Radiative Coil Coating Oven. Energies, 2022, 15, 2080.	1.6	1
1130	Experimental and numerical investigation on the effect of turboprop engine exhaust gas impingement on pusher aircraft. International Journal of Turbo and Jet Engines, 2024, 40, s231-s241.	0.3	0
1131	Assessment of airflow and heat transfer around a thermal manikin in a premise served by DOAS and ceiling fans. Building and Environment, 2022, 214, 108902.	3.0	7
1132	Experimental investigation and parameter analysis of micro-jet impingement heat sink for improved heat transfer performance. Chemical Engineering and Processing: Process Intensification, 2022, 174, 108867.	1.8	5
1133	Experimental and numerical modeling of an air jet impingement system. European Journal of Mechanics, B/Fluids, 2022, 94, 228-245.	1.2	7
1134	Anti-icing hot air jet heat transfer augmentation employing inner channels. Advances in Mechanical Engineering, 2021, 13, 168781402110662.	0.8	5
1135	Experimental study of the heat transfer of two parallel impinging jets. Journal of Physics: Conference Series, 2021, 2119, 012029.	0.3	0
1136	EXPERIMENTAL STUDY ON HEAT TRANSFER ENHANCEMENT OF AIR JET IMPINGEMENT FOR ELECTRONICS THERMAL MANAGEMENT. Journal of Enhanced Heat Transfer, 2022, 29, 63-80.	0.5	2
1137	Heat transfer distribution of single oblique jet impingement in crossflow under different inlet conditions. International Journal of Turbo and Jet Engines, 2022, .	0.3	1
1138	Nozul Mesafesinin Ğarpan Jet IsĒ± Transferi ve AkĒ±ĒŸkan AkĒ±ĒŸĒ± Ēœzerindeki Etkileri. Osmaniye Korkut Ata Ēœniversitesi Fen Bilimleri EnstitĒ¼sĒ¼ Dergisi, 0, , .	0.2	0
1139	Heat Transfer Enhancement of Ionic Wind Assisted Slot Jet Reattachment Nozzle: A Numerical Study. Journal of Heat Transfer, 2022, 144, .	1.2	2

#	ARTICLE	IF	CITATIONS
1140	Effect of effusion hole arrangement on jet array impingement heat transfer. International Journal of Heat and Mass Transfer, 2022, 192, 122900.	2.5	11
1142	Stoffübertragung bei Impaktströmung mit Coanda-Effekt. Heat and Mass Transfer, 1996, 31, 121-125.	1.2	0
1143	Estimation of the local convective heat transfer coefficients of low frequency two-phase pulsating impingement jets using the IHCP. Experimental Heat Transfer, 2023, 36, 421-452.	2.3	5
1144	Numerical modeling of forming air impact thermoforming. International Journal of Advanced Manufacturing Technology, 2022, 120, 4917-4933.	1.5	5
1145	Numerical study of heat and moisture transfer in thermal protective clothing against a coupled thermal hazardous environment. International Journal of Heat and Mass Transfer, 2022, 194, 122989.	2.5	7
1146	Non-stationary flow and heat transfer in a synthetic confined jet impingement. International Journal of Thermal Sciences, 2022, 179, 107607.	2.6	5
1147	Characterization of laminar and turbulent supercritical carbon dioxide slot jet impingement heat transfer. International Journal of Heat and Mass Transfer, 2022, 193, 122949.	2.5	5
1148	Experimental analysis of a non-isothermal confined impinging single plume using time-resolved particle image velocimetry and planar laser induced fluorescence measurements. International Journal of Heat and Mass Transfer, 2022, 193, 122952.	2.5	2
1149	A time-fractional model of free convection electro-osmotic flow of Casson fluid through a microchannel using generalized Fourier and Fick's law. Waves in Random and Complex Media, 0, , 1-20.	1.6	4
1150	Design Parameters on Impingement Steam Jet Heat Transfer of Continuous Liquid Food Sterilization. Fluids, 2022, 7, 185.	0.8	1
1151	Basics of Quench Process Hardening of Powder Materials and Irons in Liquid Media. European Journal of Applied Physics, 2022, 4, 30-37.	0.1	2
1153	A heat balance model of zinc pot and its application. ITM Web of Conferences, 2022, 47, 03029.	0.4	0
1154	Experimental investigation on heat transfer characteristics of microcapsule phase change material suspension in array jet impingement. Science China Technological Sciences, 2022, 65, 1634-1645.	2.0	10
1155	Characterization of a Jet Impingement Heat Sink for Power Electronics Cooling. Thermal Science and Engineering Progress, 2022, 34, 101408.	1.3	6
1156	Supercritical carbon dioxide in an array of micro impinging jets. International Journal of Heat and Mass Transfer, 2022, 196, 123215.	2.5	4
1157	Practical identifiability analysis for a multiphase diffusion-evaporation model: dough baking in a pilot scale jet impingement oven. Food and Bioprocess Processing, 2022, , .	1.8	0
1158	Model for Wall Shear Stress from Obliquely Impinging Planar Underexpanded Jets. Applied Sciences (Switzerland), 2022, 12, 7311.	1.3	2
1159	Experimental investigation on heat transfer and pressure drop characteristics of confined jet impingement boiling on hybrid-structured surface. Applied Thermal Engineering, 2023, 218, 119320.	3.0	4

#	ARTICLE	IF	CITATIONS
1160	Convection from multiple air jet impingement - A review. Applied Thermal Engineering, 2023, 218, 119307.	3.0	12
1161	Numerical study on convective heat exchange between impinging gas jets and solid surfaces. AIP Conference Proceedings, 2022, , .	0.3	0
1162	Study on convective heat transfer characteristics of inclined jet impinging cylindrical target surface in the confined space. Applied Thermal Engineering, 2023, 218, 119316.	3.0	8
1163	Stagnation Point Heat Transfer to an Axisymmetric Impinging Jet At Transition to Turbulence. Journal of Heat Transfer, 2022, , .	1.2	2
1164	Thermal characteristics of arrays of swirling impinging jets: Effect of Reynolds number, impingement distance, and jet-to-jet separation. Heat Transfer, 0, , .	1.7	4
1165	Experimental and numerical investigation of the influence of nozzle design on the industrial convection drying of thin films. Drying Technology, 2022, 40, 2685-2695.	1.7	2
1166	Experimental Investigation of a Complex System of Impinging Jets Using Infrared Thermography. International Journal of Turbomachinery, Propulsion and Power, 2022, 7, 27.	0.5	0
1167	Structure optimization and cooling performance of a heat sink with discontinuous arc protrusions impacted by nanofluid confined slot jet impingement. International Journal of Numerical Methods for Heat and Fluid Flow, 2023, 33, 1229-1248.	1.6	1
1168	Effect of obliquity on impingement heating characteristics of co-axial swirling flame jet - An experimental and numerical investigation. International Communications in Heat and Mass Transfer, 2022, 139, 106474.	2.9	0
1169	Heat transfer experiments and correlations for vent gases emerging from a Li-ion battery and impinging on a flat surface. International Journal of Heat and Mass Transfer, 2023, 200, 123516.	2.5	3
1170	Development of ventilation systems in a Semi-Confined Room by using straight lobed grilles. , 2022, , .		0
1171	Experimental and numerical investigation to evaluate the thermal performance of jet impingement surface cooling with MWCNT/Al ₂ O ₃ -deionized water hybrid nanofluid. International Journal of Thermal Sciences, 2023, 184, 108010.	2.6	3
1172	Review of Advanced Effusive Cooling for Gas Turbine Blades. Energies, 2022, 15, 8568.	1.6	7
1173	A review on heat transfer enhancement methods for a heat exchanger. AIP Conference Proceedings, 2022, , .	0.3	0
1174	Experimental investigation on convective heat transfer of inclined jets impinging on the rotating cylindrical surface in the confined space. International Journal of Heat and Mass Transfer, 2023, 202, 123744.	2.5	5
1175	Heat transfer at the stagnation point of a free-falling impinging liquid jet. Thermophysics and Aeromechanics, 2022, 29, 513-518.	0.1	0
1176	Investigation on Circular Array of Turbulent Impinging Round Jets at Confined Case: A CFD Study. Journal of Engineering Advancements, 0, , 144-154.	0.7	1
1177	Numerical Investigation of Jet Impingement Cooling with Supercritical Pressure Carbon Dioxide in a Multi-Layer Cold Plate during High Heat Flux. Journal of Thermal Science, 0, , .	0.9	0

#	ARTICLE	IF	CITATIONS
1178	Impact of reattachment surface characteristics on the flow field generated by slot jet reattachment nozzle – A numerical study. <i>Drying Technology</i> , 0, , 1-18.	1.7	0
1179	Influence of cross-jet temperature and pressure differences on the separation efficiency of air curtains in buildings. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2023, 233, 105300.	1.7	1
1180	Transient transmission of droplets and aerosols in a ventilation system with ceiling fans. <i>Building and Environment</i> , 2023, 230, 109988.	3.0	4
1181	Prediction of Self-Sustained Oscillations of an Isothermal Impinging Slot Jet. <i>Fluids</i> , 2023, 8, 15.	0.8	3
1182	Hot-dip galvanized coating weight control. , 2023, , 171-236.		0
1183	Cooling characteristics of array jet impinging on grooved target surface imitating blue whale skin. <i>Applied Thermal Engineering</i> , 2023, 225, 120220.	3.0	1
1184	Heat transfer on a flat wall due to a rectangular turbulent jet. <i>International Communications in Heat and Mass Transfer</i> , 2023, 144, 106769.	2.9	0
1186	Assessment of Computational Fluid Dynamic Modeling of Multi-Jet Impingement Cooling and Validation With the Experiments. <i>Journal of Turbomachinery</i> , 2023, 145, .	0.9	1
1187	Interaction of a droplet spray with a turbulent plane air jet impacting a wall. <i>Experiments in Fluids</i> , 2023, 64, .	1.1	2
1188	On the impingement of heat transfer using swirled air jets. <i>Frontiers in Mechanical Engineering</i> , 0, 9, .	0.8	2
1189	Heat transfer characteristics of the flat plate integrated with metal foam of varying thickness using an unconfined circular air-jet impingement. <i>Thermal Science and Engineering Progress</i> , 2023, 41, 101810.	1.3	4
1190	Experimental Characterization Of Air Impingement Cooling In A Cylindrical Cavity. , 2023, , .		0
1214	Double slot jet impingement cooling of a round block. <i>AIP Conference Proceedings</i> , 2023, , .	0.3	0
1218	HEAT TRANSFER ENHANCEMENT IN LIQUID METALS BY STATIC AND ROTATING MAGNETIC FIELDS. , 2023, , .		0
1222	A High Performance Liquid Metal-based Cooling System for an Ultra High Power Density Inverter. , 2023, , .		0