## A review of heat transfer data for single circular jet imp

International Journal of Heat and Fluid Flow 13, 106-115 DOI: 10.1016/0142-727x(92)90017-4

**Citation Report** 

#	Article	IF	CITATIONS
1	Impinging jet studies for turbulence model assessment—I. Flow-field experiments. International Journal of Heat and Mass Transfer, 1993, 36, 2675-2684.	2.5	395
2	Heat transfer of an impinging jet on a flat surface. International Journal of Heat and Mass Transfer, 1994, 37, 1915-1923.	2.5	115
3	Effect of jet-jet spacing on convective heat transfer to confined, impinging arrays of axisymmetric air jets. International Journal of Heat and Mass Transfer, 1994, 37, 2859-2869.	2.5	235
4	Impingement heat transfer with a single rosette nozzle. Experimental Thermal and Fluid Science, 1994, 9, 320-329.	1.5	9
5	Modelling of a single confined turbulent slot jet impingement using various k — ϵ turbulence models. Applied Mathematical Modelling, 1994, 18, 526-537.	2.2	50
6	Convective Heat Transfer to a Confined Impinging Array of Air Jets With Spent Air Exits. Journal of Heat Transfer, 1994, 116, 570-576.	1.2	66
7	Heat Transfer From a Flat Plate to a Fully Developed Axisymmetric Impinging Jet. Journal of Heat Transfer, 1995, 117, 772-776.	1.2	50
8	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
9	Turbulence Dissipation in a Free-Surface Jet of Water and Its Effect on Local Impingement Heat Transfer From a Heated Surface: Part 1—Flow Structure. Journal of Heat Transfer, 1995, 117, 85-94.	1.2	21
10	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
11	Heat transfer and pressure distributions of an impinging jet on a flat surface. Heat and Mass Transfer, 1996, 32, 49-54.	1.2	53
12	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
13	Heat transfer and flow structures in an excited circular impinging jet. International Journal of Heat and Mass Transfer, 1996, 39, 3695-3706.	2.5	188
14	Effect of nozzle geometry on local convective heat transfer to a confined impinging air jet. Experimental Thermal and Fluid Science, 1996, 13, 71-80.	1.5	221
15	Effect of turbulence on heat transfer in stagnation flow. Journal of Thermophysics and Heat Transfer, 1996, 10, 290-296.	0.9	5
16	APPROPRIATE SIZES OF POROUS AND SOLID BLOCKS FOR HEAT TRANSFER UNDER AN IMPINGING JET. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 1997, 20, 159-169.	0.6	1
17	Impingement cooling of a confined circular air jet. International Journal of Heat and Mass Transfer, 1997, 40, 1355-1364.	2.5	76
18	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

#	Article	IF	CITATIONS
19	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
20	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
21	Turbulent flow and heat transfer measurements on a curved surface with a fully developed round impinging jet. International Journal of Heat and Fluid Flow, 1997, 18, 160-169.	1.1	118
22	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
23	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
24	Heat transfer and flow visualization experiments of swirling, multi-channel, and conventional impinging jets. International Journal of Heat and Mass Transfer, 1998, 41, 583-600.	2.5	132
25	Thermal management of a laptop computer with synthetic air microjets. , 0, , .		36
26	Convective Mass Transfer from Cylinders in a Jet Flow. Industrial & Engineering Chemistry Research, 1998, 37, 1560-1566.	1.8	3
27	QUENCHING OF FLAT GLASS BY IMPINGING AIR JETS. Numerical Heat Transfer; Part A: Applications, 1998, 33, 5-22.	1.2	9
28	Characteristics of Heat Transfer in Impinging Jets by Control of Vortex Pairing. , 1998, , .		9
29	Local Heat Transfer in a Rotating Square Channel With Jet Impingement. Journal of Heat Transfer, 1999, 121, 811-818.	1.2	10
30	Turbulent Two-Dimensional Shear Flows. , 1999, , 305-469.		Ο
31	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
32	A knowledge based database system for engineering correlations. Advanced Engineering Informatics, 1999, 13, 201-210.	0.5	3
33	Flow visualization of a round jet impinging on cylindrical surfaces. Experimental Thermal and Fluid Science, 1999, 20, 66-78.	1.5	159
34	FLOW FIELD IN A HOT AIR JET IMPINGEMENT OVEN - PART I: A SINGLE IMPINGING JET. Journal of Food Processing and Preservation, 1999, 23, 217-233.	0.9	18
35	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
36	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

#	Article	IF	CITATIONS
37	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
38	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
39	Surface shear stress for a submerged jet impingement using electrochemical technique. Journal of Applied Electrochemistry, 1999, 29, 185-190.	1.5	15
40	Heat transfer due to a round jet impinging normal to a circular cylinder. Heat and Mass Transfer, 1999, 35, 327-333.	1.2	37
41	Compressible heat transfer computations by an adaptive finite element method. , 1999, , .		9
42	Heat and Fluid Flow Properties of Circular Impinging Jet with a Low Nozzle to Plate Spacing. Improvement by Nothched Nozzle 880-02 Nihon Kikai Gakkai Ronbunshū Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2000, 66, 2655-2660.	0.2	Ο
43	Flow and Heat Transfer of Confined Impingement Jets Cooling. , 2000, , .		3
44	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
45	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
46	Nano-second laser pulse heating and assisting gas jet considerations. International Journal of Machine Tools and Manufacture, 2000, 40, 1023-1038.	6.2	18
47	The influence of gas jet velocity in laser heating—a moving workpiece case. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2000, 214, 1059-1078.	1.1	40
48	RECIPROCATING IMPINGEMENT JET HEAT TRANSFER WITH SURFACE RIBS. Experimental Heat Transfer, 2000, 13, 275-297.	2.3	11
49	Heat Transfer of Confined Circular Jet Impingement. Journal of Mechanics, 2001, 17, 29-38.	0.7	0
50	HEAT TRANSFER IN CONFINED LAMINAR AXISYMMETRIC IMPINGING JETS AT SMALL NOZZLE-PLATE DISTANCES: THE ROLE OF UPSTREAM VORTICITY DIFFUSION. Numerical Heat Transfer; Part A: Applications, 2001, 39, 777-800.	1.2	2
51	Dynamics of the vortex structure of a jet impinging on a convex surface. Experimental Thermal and Fluid Science, 2001, 24, 169-175.	1.5	34
52	Konvektiver W¤me¼bergang bei instation¤er Anstr¶mung. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2001, 81, 507-508.	0.9	0
53	Heat transfer and flow structures in axisymmetric impinging jet controlled by vortex pairing. International Journal of Heat and Fluid Flow, 2001, 22, 293-300.	1.1	56
54	Local entropy generation in an impinging jet: minimum entropy concept evaluating various turbulence models. Computer Methods in Applied Mechanics and Engineering, 2001, 190, 3623-3644.	3.4	49

#	Article	IF	CITATIONS
55	Jet impingement cooling of a convex semi-cylindrical surface. International Journal of Thermal Sciences, 2001, 40, 890-898.	2.6	53
56	Impinging jets confined by a conical wall – high Schmidt mass transfer predictions in laminar flow. International Journal of Heat and Mass Transfer, 2001, 44, 1269-1284.	2.5	11
57	An investigation of a block moving back and forth on a heat plate under a slot jet. Part II (the effects) Tj ETQq0 0 44, 4649-4665.	0 rgBT /0 2.5	verlock 10 T 4
58	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
59	Local Heat/Mass Transfer Measurement on the Effusion Plate in Impingement/Effusion Cooling Systems. Journal of Turbomachinery, 2001, 123, 601-608.	0.9	109
60	Unsteady Heat Transfer Analysis of an Impinging Jet. Journal of Heat Transfer, 2002, 124, 1039-1048.	1.2	109
61	Study of Mixing and Augmentation of Natural Convection Heat Transfer by a Forced Jet in a Large Enclosure. Journal of Heat Transfer, 2002, 124, 660-666.	1.2	7
62	Air cooled heat sinks integrated with synthetic jets. , 0, , .		11
63	Jet impingement onto a cavity. International Journal of Numerical Methods for Heat and Fluid Flow, 2002, 12, 817-838.	1.6	15
64	Laser pulse heating of steel surfaces including impinging gas effect and variable properties. International Journal of Numerical Methods for Heat and Fluid Flow, 2002, 12, 195-219.	1.6	5
65	LASER HEATING OF A MOVING SLAB IN THE PRESENCE OF AN IMPINGING GAS JET: INFLUENCE OF SLAB VELOCITY. Numerical Heat Transfer; Part A: Applications, 2002, 42, 757-775.	1.2	4
66	Heat transfer from a plate impinging swirl jet. International Journal of Energy Research, 2002, 26, 305-320.	2.2	24
67	Experimental investigation of an axisymmetric, impinging turbulent jet. 1. Velocity field. Experiments in Fluids, 2002, 33, 464-471.	1.1	65
68	Heat and mass transfer study of impinging turbulent premixed flames. Heat and Mass Transfer, 2002, 38, 425-432.	1.2	23
69	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
70	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
71	Compressible heat transfer computations by an adaptive finite element method. International Journal of Thermal Sciences, 2002, 41, 721-736.	2.6	7
72	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

#	Article	IF	CITATIONS
73	Visualization of mixed convective vortex rolls in an impinging jet flow of air through a cylindrical chamber. International Journal of Heat and Mass Transfer, 2002, 45, 3357-3368.	2.5	13
74	Visualization and mass transfer with a bistable two-slot impinging jet. Journal of Visualization, 2003, 6, 417-421.	1.1	1
75	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
76	Heat transfer mechanism of a swirling impinging jet in a stagnation region. Heat Transfer - Asian Research, 2003, 32, 663-673.	2.8	30
77	Impingement heat transfer in an under-expanded axisymmetric air jet. International Journal of Heat and Mass Transfer, 2003, 46, 263-272.	2.5	34
78	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
79	Simultaneous visualization of flow field and evaluation of local heat transfer by transitional impinging jets. International Journal of Heat and Mass Transfer, 2003, 46, 1703-1713.	2.5	102
80	Characteristics of vortex flow in a low speed air jet impinging onto a heated disk in a vertical cylindrical chamber. International Journal of Heat and Mass Transfer, 2003, 46, 4639-4656.	2.5	10
81	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
82	Convective heat transfer from a billet due to an oblique impinging circular jet within the spray forming process. International Journal of Thermal Sciences, 2003, 42, 561-569.	2.6	23
83	Spatial Variation of Convective Heat Transfer Coefficient in Air Impingement Applications. Journal of Food Science, 2003, 68, 910-916.	1.5	32
84	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
85	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
86	Optimization of a Hot-Air Anti-Icing System. , 2003, , .		9
87	Microjet cooling devices for thermal management of electronics. IEEE Transactions on Components and Packaging Technologies, 2003, 26, 359-366.	1.4	158
88	Heat (Mass) Transfer on Effusion Plate in Impingement/Effusion Cooling Systems. Journal of Thermophysics and Heat Transfer, 2003, 17, 95-102.	0.9	37
89	JET IMPINGEMENT ONTO A HOLE WITH CONSTANT WALL TEMPERATURE. Numerical Heat Transfer; Part A: Applications, 2003, 43, 843-865.	1.2	23
90	Three-Dimensional Heat Transfer of a Confined Circular Impinging Jet With Buoyancy Effects. Journal of Heat Transfer, 2003, 125, 250-256.	1.2	27

#	Article	IF	CITATIONS
91	Spot-Cooling by Confined, Impinging Synthetic Jet. , 2003, , 469.		4
92	Numerical Analysis of Two-Dimentional Impinging Jet on an Oscillated Heat Transfer Surface 880-02 Nihon Kikai Gakkai Ronbunshū Transactions of the Japan Society of Mechanical Engineers Series B B-hen, 2003, 69, 401-407.	0.2	0
93	A Numerical Study of Turbulent Heat Transfer in Unconfined Impinging Slot Jets. , 2003, , 397.		0
94	Experimental Investigation of Heat Transfer From a Discretely Heated Protruding Pedestal to a Single Round Impinging Air Jet. , 2004, , 129.		0
95	Heat flux characterisation in hot jet and flame/wall interaction by IHCP resolution coupled with infrared measurements. Quantitative InfraRed Thermography Journal, 2004, 1, 205-228.	2.1	14
96	Flow and Heat Transfer Characteristics of Confined Noncircular Turbulent Impinging Jets. Drying Technology, 2004, 22, 2027-2049.	1.7	33
97	Air impingement heating. , 2004, , 253-276.		3
98	Fluid Flow and Heat Transfer in Air Jet Impingement in Food Processing. Journal of Food Science, 2004, 69, CRH113-CRH122.	1.5	92
99	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
100	Measurement of detailed heat transfer on a surface under arrays of impinging elliptic jets by a transient liquid crystal technique. International Journal of Heat and Mass Transfer, 2004, 47, 5235-5245.	2.5	53
101	Heat transfer due to unsteadily impinging jets. International Journal of Thermal Sciences, 2004, 43, 733-741.	2.6	24
102	Impinging jet cooling on concave surfaces. AICHE Journal, 2004, 50, 1672-1683.	1.8	44
104	Use of an impinging jet for dispersion of dry powder inhalation aerosols. International Journal of Pharmaceutics, 2004, 275, 123-131.	2.6	20
105	Enhancement and reversal heat transfer by competing modes in jet impingement. International Journal of Heat and Mass Transfer, 2004, 47, 1711-1718.	2.5	24
106	Annular impinging jet with recirculation zone expanded by acoustic excitation. International Journal of Heat and Mass Transfer, 2004, 47, 2329-2341.	2.5	35
107	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
108	Suppression of buoyancy-driven vortex flow resulting from a low speed jet impinging onto a heated disk in a vertical cylinder by cylinder top tilting. International Journal of Heat and Mass Transfer, 2004, 47, 3031-3045.	2.5	4
109	Heat transfer from a slot air jet impinging on a circular cylinder. Journal of Food Engineering, 2004, 63, 393-401.	2.7	95

#	Article	IF	CITATIONS
110	Jet impingement onto a conical hole in relation to laser machining. Journal of Materials Processing Technology, 2004, 155-156, 2039-2044.	3.1	0
111	Modeling of spherulitic crystallization in thermoplastic tow-placement process: heat transfer analysis. Composites Science and Technology, 2004, 64, 1123-1134.	3.8	21
112	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
113	NUMERICAL SIMULATIONS ON THE HYDRODYNAMICS OF A TURBULENT SLOT JET IMPINGING ON A SEMICYLINDRICAL CONVEX SURFACE. Numerical Heat Transfer; Part A: Applications, 2004, 46, 995-1008.	1.2	31
114	Thermal Management Using Synthetic Jet Ejectors. IEEE Transactions on Components and Packaging Technologies, 2004, 27, 439-444.	1.4	81
115	Numerical simulation of heat transfer from a transonic jet impinging on skin for needle-free powdered drug and vaccine delivery. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2004, 218, 1373-1383.	1.1	22
116	NUMERICAL SIMULATION OF OPTIMAL MULTIPLE-INPUT, MULTIPLE-OUTPUT CONTROL OF JET IMPINGEMENT COOLING OF A GLASS PLATE. Numerical Heat Transfer; Part A: Applications, 2004, 46, 401-424.	1.2	8
117	Effect of Pulse Jet Frequency on Impingement Heat Transfer. , 2004, , .		2
118	An Evaluation of Jet Impingement Heat Transfer Correlations for Piccolo Tube Application. , 2004, , .		31
119	Air impingement technology for food processing: visualization studies. LWT - Food Science and Technology, 2004, 37, 873-879.	2.5	29
120	Jet impingement onto a conical cavity with elevated wall temperature. International Journal of Numerical Methods for Heat and Fluid Flow, 2004, 14, 1011-1028.	1.6	11
121	CFD Studies on a Large Diameter Jet Impingement Flow. , 2004, , 185.		3
122	Flow and heat transfer from multiple slot air jets impinging on circular cylinders. Journal of Food Engineering, 2005, 67, 273-280.	2.7	39
123	A comparison of mass transfer between a plate and submerged conventional and multichannel impinging jets. International Communications in Heat and Mass Transfer, 2005, 32, 842-854.	2.9	8
124	Multiple flow patterns and heat transfer in confined jet impingement. International Journal of Heat and Fluid Flow, 2005, 26, 746-754.	1.1	26
125	Effects of jet-to-disk separation distance on the characteristics of mixed convective vortex flow in an impinging air jet confined in a cylindrical chamber. International Journal of Heat and Mass Transfer, 2005, 48, 511-525.	2.5	17
126	Numerical study of confined slot jet impinging on porous metallic foam heat sink. International Journal of Heat and Mass Transfer, 2005, 48, 4685-4694.	2.5	109
127	CFD turbulent modelling of jet impingement and its validation by particle image velocimetry and mass transfer measurements. International Journal of Thermal Sciences, 2005, 44, 349-356.	2.6	74

#	Article	IF	CITATIONS
128	An experimental and numerical investigation on a confined impinging air jet at high Reynolds numbers. Applied Thermal Engineering, 2005, 25, 409-421.	3.0	88
129	Effect of Nearâ€infrared Radiation and Jet Impingement Heat Transfer on Crust Formation of Bread. Journal of Food Science, 2005, 70, e484.	1.5	25
130	Flow structures and heat transfer of swirling jet impinging on a flat surface with micro-vibrations. International Journal of Heat and Mass Transfer, 2005, 48, 545-560.	2.5	22
131	Flow and heat transfer of confined impingement jets cooling using a 3-D transient liquid crystal scheme. International Journal of Heat and Mass Transfer, 2005, 48, 4887-4903.	2.5	50
132	Local heat transfer due to several configurations of circular air jets impinging on a flat plate with and without semi-confinement. International Journal of Thermal Sciences, 2005, 44, 665-675.	2.6	86
133	Effect of an external excitation on the flow structure in a circular impinging jet. Physics of Fluids, 2005, 17, 105102.	1.6	45
134	Local heat transfer coefficient distribution on a plate cooled by an array of confined impinging round jets. Quantitative InfraRed Thermography Journal, 2005, 2, 173-190.	2.1	1
135	Heat Transfer on Flat Surface Impinged by an Underexpanded Sonic Jet. Journal of Thermophysics and Heat Transfer, 2005, 19, 448-454.	0.9	16
136	Impingement Cooling for Modern Combustors: Experimental Analysis and Preliminary Design. , 2005, , 1291.		3
137	Jet Impingement Heat Transfer on a Circular Cylinder by Radial Slot Jets. , 2005, , .		4
137 138	Jet Impingement Heat Transfer on a Circular Cylinder by Radial Slot Jets. , 2005, , . Computational Fluid Dynamics Modeling of Impinging Gas-Jet Systems: I. Assessment of Eddy Viscosity Models. Journal of Fluids Engineering, Transactions of the ASME, 2005, 127, 691-703.	0.8	4 25
137 138 139	Jet Impingement Heat Transfer on a Circular Cylinder by Radial Slot Jets. , 2005, , . Computational Fluid Dynamics Modeling of Impinging Gas-Jet Systems: I. Assessment of Eddy Viscosity Models. Journal of Fluids Engineering, Transactions of the ASME, 2005, 127, 691-703. Influence of Conical and Annular Nozzle Geometric Configurations on Flow and Heat Transfer Characteristics due to Flow Impingement onto a Flat Plate. Numerical Heat Transfer; Part A: Applications, 2005, 48, 917-939.	0.8	4 25 18
137 138 139 140	Jet Impingement Heat Transfer on a Circular Cylinder by Radial Slot Jets. , 2005, , .         Computational Fluid Dynamics Modeling of Impinging Gas-Jet Systems: I. Assessment of Eddy Viscosity Models. Journal of Fluids Engineering, Transactions of the ASME, 2005, 127, 691-703.         Influence of Conical and Annular Nozzle Geometric Configurations on Flow and Heat Transfer Characteristics due to Flow Impingement onto a Flat Plate. Numerical Heat Transfer; Part A: Applications, 2005, 48, 917-939.         Experimental Research on Heat Transfer of Confined Air Jet Impingement with Tiny Size Round Nozzle in High Density Electronics Packaging Model. , 2005, , .	0.8	4 25 18 1
137 138 139 140	Jet Impingement Heat Transfer on a Circular Cylinder by Radial Slot Jets. , 2005, , .         Computational Fluid Dynamics Modeling of Impinging Gas-Jet Systems: I. Assessment of Eddy Viscosity Models. Journal of Fluids Engineering, Transactions of the ASME, 2005, 127, 691-703.         Influence of Conical and Annular Nozzle Ceometric Configurations on Flow and Heat Transfer Characteristics due to Flow Impingement onto a Flat Plate. Numerical Heat Transfer; Part A: Applications, 2005, 48, 917-939.         Experimental Research on Heat Transfer of Confined Air Jet Impingement with Tiny Size Round Nozzle in High Density Electronics Packaging Model. , 2005, , .         Impingement Heat Transfer for a Cluster of Laminar Impinging Jets Issuing from Noncircular Nozzles. Drying Technology, 2005, 23, 105-130.	0.8	4 25 18 1
<ul> <li>137</li> <li>138</li> <li>139</li> <li>140</li> <li>141</li> <li>142</li> </ul>	Jet Impingement Heat Transfer on a Circular Cylinder by Radial Slot Jets. , 2005, , .         Computational Fluid Dynamics Modeling of Impinging Gas-Jet Systems: I. Assessment of Eddy Viscosity Models. Journal of Fluids Engineering, Transactions of the ASME, 2005, 127, 691-703.         Influence of Conical and Annular Nozzle Geometric Configurations on Flow and Heat Transfer Characteristics due to Flow Impingement onto a Flat Plate. Numerical Heat Transfer; Part A: Applications, 2005, 48, 917-939.         Experimental Research on Heat Transfer of Confined Air Jet Impingement with Tiny Size Round Nozzle in High Density Electronics Packaging Model. , 2005, , .         Impingement Heat Transfer for a Cluster of Laminar Impinging Jets Issuing from Noncircular Nozzles. Drying Technology, 2005, 23, 105-130.         Design and Thermal Characteristics of a Synthetic Jet Ejector Heat Sink. Journal of Electronic Packaging, Transactions of the ASME, 2005, 127, 172-177.	0.8 1.2 1.7 1.2	4 25 18 1 10 123
137 138 139 140 141 142 143	Jet Impingement Heat Transfer on a Circular Cylinder by Radial Slot Jets. , 2005, , .         Computational Fluid Dynamics Modeling of Impinging Gas-Jet Systems: I. Assessment of Eddy Viscosity         Models. Journal of Fluids Engineering, Transactions of the ASME, 2005, 127, 691-703.         Influence of Conical and Annular Nozzle Geometric Configurations on Flow and Heat Transfer         Characteristics due to Flow Impingement onto a Flat Plate. Numerical Heat Transfer; Part A:         Applications, 2005, 48, 917-939.         Experimental Research on Heat Transfer of Confined Air Jet Impingement with Tiny Size Round Nozzle         Impingement Heat Transfer for a Cluster of Laminar Impinging Jets Issuing from Noncircular Nozzles.         Drying Technology, 2005, 23, 105-130.         Design and Thermal Characteristics of a Synthetic Jet Ejector Heat Sink. Journal of Electronic Packaging, Transactions of the ASME, 2005, 127, 172-177.         Impingement Heat Transfer: Correlations and Numerical Modeling. Journal of Heat Transfer, 2005, 127, 544-552.	0.8 1.2 1.7 1.2 1.2	4 25 18 1 10 123 227
<ul> <li>137</li> <li>138</li> <li>139</li> <li>140</li> <li>141</li> <li>142</li> <li>143</li> <li>144</li> </ul>	Jet Impingement Heat Transfer on a Circular Cylinder by Radial Slot Jets. , 2005, , .         Computational Fluid Dynamics Modeling of Impinging Gas-Jet Systems: I. Assessment of Eddy Viscosity Models. Journal of Fluids Engineering, Transactions of the ASME, 2005, 127, 691-703.         Influence of Conical and Annular Nozzle Geometric Configurations on Flow and Heat Transfer Characteristics due to Flow Impingement onto a Flat Plate. Numerical Heat Transfer; Part A: Applications, 2005, 48, 917-939.         Experimental Research on Heat Transfer of Confined Air Jet Impingement with Tiny Size Round Nozzle in High Density Electronics Packaging Model. , 2005, , .         Impingement Heat Transfer for a Cluster of Laminar Impinging Jets Issuing from Noncircular Nozzles. Drying Technology, 2005, 23, 105-130.         Design and Thermal Characteristics of a Synthetic Jet Ejector Heat Sink. Journal of Electronic Packaging, Transactions of the ASME, 2005, 127, 172-177.         Impingement Heat Transfer: Correlations and Numerical Modeling. Journal of Heat Transfer, 2005, 127, 544-552.         Local Convective Heat Transfer From a Constant Heat Flux Flat Plate Cooled by Synthetic Air Jets. Journal of Heat Transfer, 2006, 128, 990-1000.	0.8 1.2 1.7 1.2 1.2 1.2	4 25 18 1 10 123 227 132

ARTICLE IF CITATIONS Jet Impingement Heat Transfer: Physics, Correlations, and Numerical Modeling. Advances in Heat 146 0.4 591 Transfer, 2006, 39, 565-631. 147 Newisys server processor cooling augmentation using synthetic jet ejectors., 0, , . Direct Liquid Cooling of High Flux Micro and Nano Electronic Components. Proceedings of the IEEE, 148 16.4 190 2006, 94, 1549-1570. Visualization and Modeling of the Hydrodynamics of an Impinging Microjet. Analytical Chemistry, 149 2006, 78, 1435-1443. Key aerodynamic technologies for aircraft engine nacelles. Aeronautical Journal, 2006, 110, 265-288. 150 1.1 13 Heat Transfer on Internal Surfaces of a Duct Subjected to Impingement of a Jet Array with Varying Jet 37 Hole-Size and Spacing. Journal of Turbomachinery, 2006, 128, 158-165. Modeling Flow and Heat Transfer During Freezing of Foods in Forced Airstreams. Journal of Food 152 1.5 9 Science, 2004, 69, E488. Mach Number Effect On Jet Impingement Heat Transfer. Annals of the New York Academy of Sciences, 1.8 2001, 934, 409-416. Nonlinear flow and heat transfer dynamics of a slot jet impinging on a slightly curved concave 154 2.9 21 surface. International Communications in Heat and Mass Transfer, 2006, 33, 364-371. Unstable vortex flow and new inertia-driven vortex rolls resulting from an air jet impinging onto a 2.5 confined heated horizontal disk. International Journal of Heat and Mass Transfer, 2006, 49, 4697-4711. Impingement cooling for modern combustors: experimental analysis of heat transfer and 156 22 1.1 effectiveness. Experiments in Fluids, 2006, 40, 601-611. An experimental investigation on flow structures of confined and unconfined impinging air jets. Heat 1.2 39 and Mass Transfer, 2006, 42, 338-346. Slot/slots air jet impinging cooling of a cylinder for different jets–cylinder configurations. Heat and 158 1.2 28 Mass Transfer, 2006, 43, 135-148. Effects of jet plate size and plate spacing on the stagnation Nusselt number for a confined circular 159 2.5 air jet impinging on a flat surface. International Journal of Heat and Mass Transfer, 2006, 49, 3477-3486. Effective heat transfer coefficient measurement during air impingement thawing using an inverse 160 1.8 52 method. International Journal of Refrigeration, 2006, 29, 281-293. Residual Thermal Stresses Simulation of Television Panel in the Forming Process. Part 2: Simulations and Validation. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2006, 220, 583-591. 162 Design and Characterization of a Heat Sink Cooled by an Integrated Synthetic Jet Matrix., 0, , . 9 Deposition of Particles by a Confined Impinging Jet onto a Flat Surface at Re=104. Aerosol Science and 1.5 Technology, 2006, 40, 147-156.

#	Article	IF	CITATIONS
164	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
165	Forced Convection of Metallic Foam Heat Sink under Laminar Slot Jet Confined by Parallel Wall. Heat Transfer Engineering, 2007, 28, 484-495.	1.2	26
166	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
167	Effect of Acoustic Excitation on the Heat Transfer to an Impinging Air Jet. , 2007, , 183.		11
168	Effect of Hole Spacing on Jet Array Impingement Heat Transfer. , 2007, , 963.		4
169	Applications of CFD in Jet Impingement Oven. Contemporary Food Engineering, 2007, , 469-485.	0.2	4
171	Numerical simulation of temperature history during the picture tube panelâ€forming process. Engineering Computations, 2007, 24, 664-678.	0.7	8
172	Numerical Simulation of Surface Heat Transfer from an Array of Hot Air Jets. , 2007, , .		2
173	Analysis of Heat Transfer from Flat Surface due to Circular Jet Impingement. , 2007, , .		0
174	Development of a prototype thermal management solution for 3-D stacked chip electronics by interleaved solid spreaders and synthetic jets. , 2007, , .		3
175	Experimental study of a round jet impinging on a convex cylinder. Measurement Science and Technology, 2007, 18, 1800-1810.	1.4	14
176	Heat Transfer Behavior for a Stationary or Rotating MCM Disk With an Unconfined Round Jet Impingement. Journal of Electronic Packaging, Transactions of the ASME, 2007, 129, 400-410.	1.2	4
177	Experimental and Numerical Simulation Study of Heat Transfer Due to Confined Impinging Circular Jet. Chemical Engineering and Technology, 2007, 30, 1355-1361.	0.9	10
178	Design of a jet impingement cooling device for densely packed PV cells under high concentration. Solar Energy, 2007, 81, 1014-1024.	2.9	153
179	Nonlinear flow and heat transfer dynamics of impinging jets onto slightly-curved surfaces. Applied Thermal Engineering, 2007, 27, 2600-2608.	3.0	24
180	A numerical investigation and parametric study of cooling an array of multiple protruding heat sources by a laminar slot air jet. International Journal of Heat and Fluid Flow, 2007, 28, 787-805.	1.1	32
181	Modeling study on the characteristics of laminar and turbulent argon plasma jets impinging normally upon a flat plate in ambient air. International Journal of Heat and Mass Transfer, 2007, 50, 734-745.	2.5	11
182	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

#	Article	IF	CITATIONS
183	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
184	Theoretical prediction and experimental verification of temperature distribution in FGM cylindrical plates subjected to thermal shock. International Journal of Heat and Mass Transfer, 2007, 50, 4461-4467.	2.5	54
185	The efficiency of corona wind drying and its application to the food industry. Journal of Food Engineering, 2007, 80, 1233-1238.	2.7	79
186	Analysis of food cooling by jet impingement, including inherent conduction. Journal of Food Engineering, 2007, 81, 12-20.	2.7	25
187	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
188	Experimental study of forced convection in metallic porous block subject to a confined slot jet. International Journal of Thermal Sciences, 2007, 46, 1242-1250.	2.6	51
189	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
190	Influence of spanwise pitch on local heat transfer distribution for in-line arrays of circular jets with spent air flow in two opposite directions. Experimental Thermal and Fluid Science, 2008, 33, 84-95.	1.5	42
191	Heat transfer enhancement on a flat surface with axisymmetric detached ribs by normal impingement of circular air jet. International Journal of Heat and Fluid Flow, 2008, 29, 1279-1294.	1.1	62
192	Heat transfer behavior in a rotating aluminum foam heat sink with a circular impinging jet. International Journal of Heat and Mass Transfer, 2008, 51, 1205-1215.	2.5	23
193	Performance of synthetic jet actuators based on hybrid and double-acting principles. Journal of Visualization, 2008, 11, 221-229.	1.1	30
194	Flow structure and heat transfer characteristics of an unconfined impinging air jet at high jet Reynolds numbers. Heat and Mass Transfer, 2008, 44, 1315-1322.	1.2	18
195	Experimental investigations of flow field and heat transfer characteristics due to periodically pulsating impinging air jets. Heat and Mass Transfer, 2008, 45, 193-206.	1.2	31
196	The physics of unsteady jet impingement and its heat transfer performance. Acta Mechanica, 2008, 201, 171-184.	1.1	49
197	An integrated simulation for the whole forming process of the picture tube panel. Simulation Modelling Practice and Theory, 2008, 16, 539-559.	2.2	3
198	Multiple vortex formation in steady laminar axisymmetric impinging flow. Computers and Fluids, 2008, 37, 1061-1076.	1.3	17
199	The effect of flow field and turbulence on heat transfer characteristics of confined circular and elliptic impinging jets. International Journal of Thermal Sciences, 2008, 47, 1332-1346.	2.6	36
200	Heat transfer and flow characteristics of the cooling system of an industrial glass tempering unit. Applied Thermal Engineering, 2008, 28, 2167-2177.	3.0	34

#	Article	IF	CITATIONS
201	A flow visualization study of the development of vortex structures in a round jet impinging on a flat plate and a cylindrical pedestal. Experimental Thermal and Fluid Science, 2008, 32, 1754-1758.	1.5	11
202	Flow field and heat transfer characteristics in an oblique slot jet impinging on a flat plate. International Communications in Heat and Mass Transfer, 2008, 35, 873-880.	2.9	53
203	An experimental study on hot round jets impinging a concave surface. International Journal of Heat and Fluid Flow, 2008, 29, 945-956.	1.1	94
204	Experimental study and theoretical analysis of local heat transfer distribution between smooth flat surface and impinging air jet from a circular straight pipe nozzle. International Journal of Heat and Mass Transfer, 2008, 51, 4480-4495.	2.5	255
205	Fluctuating fluid flow and heat transfer of an obliquely impinging air jet. International Journal of Heat and Mass Transfer, 2008, 51, 6169-6179.	2.5	44
206	Effects of hole spacing on spatially-resolved jet array impingement heat transfer. International Journal of Heat and Mass Transfer, 2008, 51, 6243-6253.	2.5	68
207	Air Impingement Cooling of Cylindrical Objects Using Slot Jets. Food Engineering Series, 2008, , 89-104.	0.3	11
208	Local Heat Transfer Distribution between Smooth Flat Surface and Impinging Air Jet from a Circular Nozzle at Low Reynolds Number. , 2008, , .		1
209	Study of the Fluid Mechanics of Transitional Steady and Pulsed Impinging Jets Using a High-Speed PIV System. , 2008, , .		5
210	An Electrically Driven Impinging Liquid Jet for Direct Cooling of Heated Surfaces. , 2008, , .		3
211	Predictions of Thermal and Hydrodynamic Characteristics of a Single Circular Micro-Jet Impinging on a Flat Plate. , 2008, , .		3
212	Enhanced Cooling Effectiveness in Full-Coverage Film Cooling System With Impingement Jets. , 2008, , .		10
213	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
214	Numerical Simulation of Surface Heat Transfer from an Array of Hot-Air Jets. Journal of Aircraft, 2008, 45, 700-714.	1.7	20
215	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
216	A Web-based Remote Simulation System for the Glass Pressing Process. Simulation, 2008, 84, 27-40.	1.1	3
217	Determination of Local Heat-Transfer Coefficients Around a Circular Cylinder Under an Impinging Air Jet. International Journal of Food Properties, 2008, 11, 600-612.	1.3	13
218	Effect of Pulsed Air Jet on the Air Jet Removal of Adhered Single Particles. Journal of the Society of Powder Technology, Japan, 2008, 45, 297-304.	0.0	6

#	Article	IF	CITATIONS
219	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
220	Experimental Study of Flow Structures of Circular Pulsating Air Jet. American Journal of Engineering and Applied Sciences, 2009, 2, 171-175.	0.3	5
221	A Flow Visualization Study of the Jet Dynamics in a Round Jet Impinging on a Foamed Aluminum Porous Media. , 2009, , .		0
222	Oscillation Effect of Impingement Surface on Two-Dimensional Impingement Heat Transfer. Journal of Heat Transfer, 2009, 131, .	1.2	7
223	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
224	Single Microjet Heat Transfer. , 2009, , .		0
225	Full-Field Flow Measurements and Heat Transfer of a Compact Jet Impingement Array With Local Extraction of Spent Fluid. Journal of Heat Transfer, 2009, 131, .	1.2	23
226	Numerical Analysis of a Two-Dimensional Jet Impinging on an Oscillated Heat Transfer Surface. Journal of Heat Transfer, 2009, 131, .	1.2	5
227	Single-Phase Microscale Jet Stagnation Point Heat Transfer. Journal of Heat Transfer, 2009, 131, .	1.2	29
228	CFD Prediction for Multi-Jet Impingement Heat Transfer. , 2009, , .		13
228 229	CFD Prediction for Multi-Jet Impingement Heat Transfer. , 2009, , . Confined swirling jet impingement on a flat plate at moderate Reynolds numbers. Physics of Fluids, 2009, 21, .	1.6	13 16
228 229 230	CFD Prediction for Multi-Jet Impingement Heat Transfer. , 2009, , . Confined swirling jet impingement on a flat plate at moderate Reynolds numbers. Physics of Fluids, 2009, 21, . Experimental study on the heat transfer under impinging elliptic jet array along a film hole surface using liquid crystal thermograph. International Journal of Heat and Mass Transfer, 2009, 52, 4435-4448.	<b>1.6</b> 2.5	13 16 18
228 229 230 231	CFD Prediction for Multi-Jet Impingement Heat Transfer. , 2009, , .         Confined swirling jet impingement on a flat plate at moderate Reynolds numbers. Physics of Fluids, 2009, 21, .         Experimental study on the heat transfer under impinging elliptic jet array along a film hole surface using liquid crystal thermograph. International Journal of Heat and Mass Transfer, 2009, 52, 4435-4448.         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. Heat and Mass Transfer, 2009, 45, 1167-1184.	1.6 2.5 1.2	13 16 18 18
228 229 230 231 232	CFD Prediction for Multi-Jet Impingement Heat Transfer., 2009, , .         Confined swirling jet impingement on a flat plate at moderate Reynolds numbers. Physics of Fluids, 2009, 21, .         Experimental study on the heat transfer under impinging elliptic jet array along a film hole surface using liquid crystal thermograph. International Journal of Heat and Mass Transfer, 2009, 52, 4435-4448.         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. Heat and Mass Transfer, 2009, 45, 1167-1184.         Convective heat transfer under unsteady impinging jets: the effect of the shape of the unsteadiness. Heat and Mass Transfer, 2009, 45, 1519-1532.	1.6 2.5 1.2 1.2	13 16 18 18 41
228 229 230 231 232 233	CFD Prediction for Multi-Jet Impingement Heat Transfer. , 2009, , .         Confined swirling jet impingement on a flat plate at moderate Reynolds numbers. Physics of Fluids, 2009, 21, .         Experimental study on the heat transfer under impinging elliptic jet array along a film hole surface using liquid crystal thermograph. International Journal of Heat and Mass Transfer, 2009, 52, 4435-4448.         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. Heat and Mass Transfer, 2009, 45, 1167-1184.         Convective heat transfer under unsteady impinging jets: the effect of the shape of the unsteadiness. Heat and Mass Transfer, 2009, 45, 1519-1532.         Jet impingement heat transfer in a frost-free refrigerator: The influence of confinement. International Journal of Refrigeration, 2009, 32, 515-523.	1.6 2.5 1.2 1.2 1.8	<ul> <li>13</li> <li>16</li> <li>18</li> <li>18</li> <li>41</li> <li>21</li> </ul>
228 229 230 231 232 233	CFD Prediction for Multi-Jet Impingement Heat Transfer., 2009,, Confined swirling jet impingement on a flat plate at moderate Reynolds numbers. Physics of Fluids, 2009, 21, Experimental study on the heat transfer under impinging elliptic jet array along a film hole surface using liquid crystal thermograph. International Journal of Heat and Mass Transfer, 2009, 52, 4435-4448. 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. Heat and Mass Transfer, 2009, 45, 1167-1184. Convective heat transfer under unsteady impinging jets: the effect of the shape of the unsteadiness. Heat and Mass Transfer, 2009, 45, 1519-1532. Jet impingement heat transfer in a frost-free refrigerator: The influence of confinement. International Journal of Refrigeration, 2009, 32, 515-523. Unsteady jet impingement: Heat transfer on smooth and non-smooth surfaces. International Communications in Heat and Mass Transfer, 2009, 36, 103-110.	1.6 2.5 1.2 1.2 1.8 2.9	<ul> <li>13</li> <li>16</li> <li>18</li> <li>18</li> <li>41</li> <li>21</li> <li>44</li> </ul>
228 229 230 231 232 233 233	CFD Prediction for Multi-Jet Impingement Heat Transfer., 2009,,.         Confined swirling jet impingement on a flat plate at moderate Reynolds numbers. Physics of Fluids, 2009, 21, .         Experimental study on the heat transfer under impinging elliptic jet array along a film hole surface using liquid crystal thermograph. International Journal of Heat and Mass Transfer, 2009, 52, 4435-4448.         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. Heat and Mass Transfer, 2009, 45, 1167-1184.         Convective heat transfer under unsteady impinging jets: the effect of the shape of the unsteadiness. Heat and Mass Transfer, 2009, 45, 1519-1532.         Jet impingement heat transfer in a frost-free refrigerator: The influence of confinement. International Journal of Refrigeration, 2009, 32, 515-523.         Unsteady jet impingement: Heat transfer on smooth and non-smooth surfaces. International Communications in Heat and Mass Transfer, 2009, 36, 103-110.         Application of high porosity metal foams as air-cooled heat exchangers to high heat load removal systems. International Communications in Heat and Mass Transfer, 2009, 36, 674-679.	1.6 2.5 1.2 1.2 1.8 2.9 2.9	<ol> <li>13</li> <li>16</li> <li>18</li> <li>18</li> <li>41</li> <li>21</li> <li>44</li> <li>93</li> </ol>

ARTICLE IF CITATIONS Flow visualizations and heat transfer measurements for a rotating pin-fin heat sink with a circular 237 2.5 16 impinging jet. International Journal of Heat and Mass Transfer, 2009, 52, 2119-2131. Heat transfer from a turbulent swirling inverse diffusion flame to a flat surface. International 2.5 Journal of Heat and Mass Transfer, 2009, 52, 2740-2748. A further investigation of effects of jet-disk separation distance on steady mixed convective vortex flow resulting from a confined impinging air jet. International Journal of Heat and Mass Transfer, 239 2.57 2009, 52, 5348-5357. Design and construction of a hydrofluidization system. Study of the heat transfer on a stationary 240 sphere. Journal of Food Engineering, 2009, 90, 358-364. Enhancing impinging jet heat or mass transfer by fluidically generated flow pulsation. Chemical 241 2.7 38 Engineering Research and Design, 2009, 87, 181-192. 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 Influence of the shape of the nozzle on local heat transfer distribution between smooth flat surface 243 2.6 137 and impinging air jet. International Journal of Thermal Sciences, 2009, 48, 602-617. 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, 2.6 860-870. Experimental investigation of nanofluids in confined laminar radial flows. International Journal of 245 2.6 155 Thermal Sciences, 2009, 48, 1486-1493. Nozzle geometry effects in liquid jet array impingement. Applied Thermal Engineering, 2009, 29, 246 2211-2221. Effects of Pulsation on the Flow Field of Turbulent Impinging Jets., 2009,,. 247 0 A Modular Stackable Concept for Heat Removal From 3-D Stacked Chip Electronics by Interleaved Solid 1.7 Spreaders and Synthetic Jets. IEEE Transactions on Advanced Packaging, 2009, 32, 431-439. Visualization of Mixed Convective Rolls of a Slot Jet in a Fluid-Superposed Metallic Porous Foam 249 1.2 11 Heated from below. Numerical Heat Transfer; Part A: Applications, 2009, 56, 20-41. Direct Numerical Simulation of Active-Controlled Impinging Jets. Journal of Fluid Science and 0.2 Technology, 2009, 4, 279-291. Jet Impingement Heat Transfer from a Circular Cylinder Located Between Confining Walls., 2009, , . 2510 Numerical Analysis of a Multiple Jet Impingement System., 2009,,. Experimental Investigation of Single-Phase Microjet Array Impingement Cooling., 2009, , . 253 2 Heat Transfer From Novel Target Surface Structures to a Normally Impinging, Submerged and 254 Confined Water Jet. Journal of Thermal Science and Engineering Applications, 2009, 1, .

#	Article	IF	CITATIONS
255	Experimental and Numerical Investigation of Impingement Cooling in a Combustor Liner Heat Shield. Journal of Turbomachinery, 2010, 132, .	0.9	12
256	Total Cooling Effectiveness on a Staggered Full-Coverage Film Cooling Plate With Impinging Jet. , 2010, , .		11
258	Heat Transfer Characteristics of Swirling Impinging Jets. , 2010, , .		3
259	Deposition of micron liquid droplets on wall in impinging turbulent air jet. Experiments in Fluids, 2010, 48, 1037-1057.	1.1	6
260	Forced convection of the brass-beads packed bed situated in a vertical oncoming flow. International Journal of Thermal Sciences, 2010, 49, 829-837.	2.6	5
261	The role of jet inlet geometry in impinging jet heat transfer, modeling and experiments. International Journal of Thermal Sciences, 2010, 49, 1417-1426.	2.6	86
262	Heat transfer measurements for jet impingement arrays with local extraction. International Journal of Heat and Fluid Flow, 2010, 31, 460-467.	1.1	28
263	Heat transfer characteristics of synthetic jet impingement cooling. International Journal of Heat and Mass Transfer, 2010, 53, 1057-1069.	2.5	213
264	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
265	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
266	Effect of orifice shape in synthetic jet based impingement cooling. Experimental Thermal and Fluid Science, 2010, 34, 246-256.	1.5	132
267	A note on unsteady impinging jet heat transfer. Experimental Thermal and Fluid Science, 2010, 34, 633-637.	1.5	5
268	A visualization study of the flow dynamics of a single round jet impinging on porous media. Experimental Thermal and Fluid Science, 2010, 34, 1008-1015.	1.5	30
269	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
270	Impinging Oil Jet Behaviour for Planar Wall Heat Transfer. , 2010, , .		1
271	Heat Transfer Characteristic Analysis of Confined Impinging Jet Cooling System with Micro-Scale Round Nozzles. Advanced Materials Research, 0, 171-172, 799-803.	0.3	0
272	Jet Impingement Heat Transfer from a Circular Cylinder Located Between Confining Walls. Journal of Thermophysics and Heat Transfer, 2010, 24, 756-764.	0.9	2
273	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

<u> </u>		-			
(† 17	ΓΑΤΙ	I K	'FP	O F	?Т
<u> </u>				<u> </u>	

#	Article	IF	CITATIONS
274	Heat Transfer From Novel Target Surface Structures to a 3×3 Array of Normally Impinging Water Jets. Journal of Thermal Science and Engineering Applications, 2010, 2, .	0.8	4
275	Evaluating the Effects of Internal Impingement Cooling on a Film Cooled Turbine Blade Leading Edge. , 2010, , .		18
276	Heat Transfer Investigations in Multiple Impinging Jets at Low Reynolds Number. , 2010, , .		10
277	An Electrically Driven Impinging Liquid Jet for Direct Cooling of Heated Surfaces. IEEE Transactions on Industry Applications, 2010, 46, 650-658.	3.3	6
278	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
279	NUMERICAL INVESTIGATION OF JET-OBSTRUCTIONS TO AID IN ENHANCING SURFACE HEAT TRANSFER FROM AN IMPINGING 2D HOT-AIR JET. , 2010, , .		0
280	Reynolds Number Effects on Fully-Developed Pulsed Jets Impinging on Flat Surfaces. , 2010, , .		1
281	Submerged liquid jet impingement cooling. , 2011, , .		5
282	Numerical Study on Flow Field and Heat Transfer Characteristics of Rectangular Impinging Jets. , 2011, , .		0
283	Numerical Study on Heat Transfer Characteristics of Different Rectangular Impinging Jets. , 2011, , .		0
284	A Review of High-Heat-Flux Heat Removal Technologies. Journal of Heat Transfer, 2011, 133, .	1.2	230
285	An Experimental Study Into the Turbulence Characteristics of Laminar, Transitional and Turbulent Impinging Jets. , 2011, , .		0
286	Numerical Simulation of Impinging Cooling on the Leading Edge of a Turbine Blade. , 2011, , .		0
287	Effect of Reynolds Number on the Turbulent Flow Structure in the Near-Wall Region of an Impinging Round Jet. , 2011, , .		1
288	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
289	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
290	Time resolved numerical modeling of oil jet cooling of a medium duty diesel engine piston. International Communications in Heat and Mass Transfer, 2011, 38, 1080-1080.	2.9	16
291	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

#	Article	IF	CITATIONS
292	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
293	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
294	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
295	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
296	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
297	The effect of area ratio on microjet array heat transfer. International Journal of Heat and Mass Transfer, 2011, 54, 1782-1790.	2.5	55
298	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
299	Characteristics of annular impinging jets with/without swirling flow by short guide vanes. Science China Technological Sciences, 2011, 54, 749-757.	2.0	14
300	Numerical study of a confined slot impinging jet with nanofluids. Nanoscale Research Letters, 2011, 6, 188.	3.1	104
301	Heat transfer enhancement and pumping power in confined radial flows using nanoparticle suspensions (nanofluids). International Journal of Thermal Sciences, 2011, 50, 369-377.	2.6	68
302	An experimental study of the local evolution of moist substrates under jet impingement drying. International Journal of Thermal Sciences, 2011, 50, 81-87.	2.6	10
303	Jet impingement heat transfer from lobed nozzles. International Journal of Thermal Sciences, 2011, 50, 1199-1206.	2.6	50
304	On the performance of linear and nonlinear turbulence models in various jet flow applications. European Journal of Mechanics, B/Fluids, 2011, 30, 325-340.	1.2	32
305	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
306	A general correlation for the stagnation point Nusselt number of an axisymmetric impinging synthetic jet. International Journal of Heat and Mass Transfer, 2011, 54, 3900-3908.	2.5	133
307	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
308	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
309	Analysis of heat transfer and flow characteristics in turbulent impinging jet. Nuclear Engineering and Design, 2011, 241, 1248-1254.	0.8	24

# 310	ARTICLE Unsteady flow and the mixing efficiency in transverse jets. , 2011, , .	IF	Citations
311	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
312	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
313	Normal-Velocity Relaxation and Higher Order Algebraic Heat Flux Models Applicable to an Axisymmetric Impinging Jet. Journal of Dispersion Science and Technology, 2012, 33, 556-564.	1.3	4
314	Recent Trends in Computation of Turbulent Jet Impingement Heat Transfer. Heat Transfer Engineering, 2012, 33, 447-460.	1.2	137
315	Coupled CFD-ANN Procedure for Extending Heat Transfer Correlations Out of Their Range of Validity. , 2012, , .		0
316	Pressure Losses for Jet Array Impingement With Crossflow. , 2012, , .		6
317	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
318	Effect of Thermal Boundary Condition on Heat Dissipation due to Swirling Jet Impingement on a Heated Plate. Journal of Physics: Conference Series, 2012, 395, 012039.	0.3	0
319	Numerical Study of Laminar Confined Impinging Slot Jets with Nanofluids. Advances in Mechanical Engineering, 2012, 4, 248795.	0.8	12
320	Heat Transfer Characteristics of a Heat Sink in Presence of a Synthetic Jet. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2012, 2, 457-463.	1.4	15
321	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
322	Enhancement of heat pump performance by pulsation ofÂrefrigerant flow using a solenoid-driven control valve. International Journal of Refrigeration, 2012, 35, 1547-1557.	1.8	7
323	Characteristics of low reynolds number steady air jet impingement heat transfer over vertical flat surfaces. , 2012, , .		0
324	Comparison of synthetic and steady air jets for impingement heat transfer over vertical surfaces. , 2012, , .		2
325	Second-moment closure simulation of flow and heat transfer in a gas-droplets turbulent impinging jet. International Journal of Thermal Sciences, 2012, 60, 1-12.	2.6	18
326	Investigations of Electra KrF laser hibachi foil cooling with small obliquely impinging jets. Fusion Engineering and Design, 2012, 87, 352-358.	1.0	7
327	Study of automotive radiator cooling system for dense-array concentration photovoltaic system. Solar Energy, 2012, 86, 2632-2643.	2.9	25

#	Article	IF	CITATIONS
328	Flow visualization in an annulus between co-axis rotating cylinders with a circular jet on stationary outer cylinder. International Communications in Heat and Mass Transfer, 2012, 39, 1119-1124.	2.9	1
329	Three-dimensional vortex dynamics and convective heat transfer in circular and chevron impinging jets. International Journal of Heat and Fluid Flow, 2012, 37, 22-36.	1.1	113
330	Heat transfer rate and uniformity in multichannel swirling impinging jets. Applied Thermal Engineering, 2012, 49, 89-98.	3.0	94
331	High-Speed Imaging of 2-D Ionic Diffusion Using a 16\$,imes,\$16 Pixel CMOS ISFET Array on the Microfluidic Scale. IEEE Sensors Journal, 2012, 12, 2744-2749.	2.4	25
332	Flow Visualization and Heat Transfer Characteristics of Liquid Jet Impingement. International Journal for Computational Methods in Engineering Science and Mechanics, 2012, 13, 239-253.	1.4	7
333	Thermal boundary layer analysis corresponding to droplet train impingement. Physics of Fluids, 2012, 24, .	1.6	37
334	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
335	Fuzzy modeling of the forced convection heat transfer from a Vâ€shaped plate exposed to an air slot jet. Heat Transfer - Asian Research, 2012, 41, 430-443.	2.8	11
336	Polymer-induced turbulence modifications in an impinging jet. Experiments in Fluids, 2012, 52, 1237-1260.	1.1	1
337	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
338	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
339	Axisymmetric impinging jet excited by a synthetic jet system. International Journal of Heat and Mass Transfer, 2012, 55, 1279-1290.	2.5	35
340	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
341	Estimation of heat flux on the surface of an initially hot cylinder cooled by a laminar confined impinging jet. International Journal of Heat and Mass Transfer, 2012, 55, 597-606.	2.5	7
342	Rewetting and maximum surface heat flux during quenching of hot surface by round water jet impingement. International Journal of Heat and Mass Transfer, 2012, 55, 4772-4782.	2.5	42
343	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
344	Nanofluid impingement jet heat transfer. Nanoscale Research Letters, 2012, 7, 139.	3.1	56
345	Large eddy simulation of a slot jet impinging on a convex surface. Heat and Mass Transfer, 2012, 48, 1-15.	1.2	14

#	Article	IF	CITATIONS
346	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
347	Review of fluid flow and convective heat transfer within rotating disk cavities with impinging jet. International Journal of Thermal Sciences, 2013, 67, 1-30.	2.6	92
348	LES of a Turbulent Slot Impinging Jet to Predict Fluid Flow and Heat Transfer. Numerical Heat Transfer; Part A: Applications, 2013, 64, 759-776.	1.2	15
349	An overview of heat transfer enhancement methods and new perspectives: Focus on active methods using electroactive materials. International Journal of Heat and Mass Transfer, 2013, 61, 505-524.	2.5	157
350	Experimental and numerical investigation of a fully confined impingement round jet. International Journal of Heat and Mass Transfer, 2013, 65, 873-882.	2.5	52
351	Flow and heat transfer characteristics of transverse perforated ribs under impingement jets. International Journal of Heat and Mass Transfer, 2013, 66, 244-260.	2.5	34
352	Numerical simulations of droplet train and free surface jet impingement. International Journal of Heat and Fluid Flow, 2013, 44, 610-623.	1.1	18
353	On the Numerical Modeling of Impinging Jets Heat Transfer—A Practical Approach. Numerical Heat Transfer; Part A: Applications, 2013, 64, 290-316.	1.2	7
354	Experimental investigation on heat transfer enhancement of mist/air impingement jet. Science China Technological Sciences, 2013, 56, 2456-2464.	2.0	14
355	Effect of pulse frequency on heat transfer at the stagnation point of an impinging turbulent jet. High Temperature, 2013, 51, 256-261.	0.1	12
356	Reynolds Number Effects on Fully Developed Pulsed Jets Impinging on Flat Surfaces. AIAA Journal, 2013, 51, 2305-2318.	1.5	6
357	Steady and Unsteady Air Impingement Heat Transfer for Electronics Cooling Applications. Journal of Heat Transfer, 2013, 135, .	1.2	26
358	Heat transfer in plug flow in cylindrical microcapillaries with constant surface heat flux. International Journal of Thermal Sciences, 2013, 64, 204-212.	2.6	24
359	Numerical and experimental studies of Electra's scalloped transmission foil cooling with small impinging jets. Fusion Engineering and Design, 2013, 88, 3152-3156.	1.0	Ο
360	Hysteresis in annular impinging jets. Experimental Thermal and Fluid Science, 2013, 44, 565-570.	1.5	23
361	Control of pool boiling incipience in confined space: Dynamic morphing of the wall effect. Applied Thermal Engineering, 2013, 51, 451-458.	3.0	7
362	Flow dynamics and mass transfer in impinging circular jet at low Reynolds number. Comparison of convergent and orifice nozzles. International Journal of Heat and Mass Transfer, 2013, 67, 25-45.	2.5	25
363	Experimental analysis of the aero-acoustic coupling in a plane impinging jet on a slotted plate. Fluid Dynamics Research, 2013, 45, 045503.	0.6	18

#	Article	IF	CITATIONS
364	Heat transfer characteristics of a rotating Al-foam cylinder under the confined/unconfined impinging jet. International Journal of Thermal Sciences, 2013, 66, 71-81.	2.6	8
365	Pressure distribution on a semi-circular concave surface impinged by a single row of circular jets. Experimental Thermal and Fluid Science, 2013, 46, 162-174.	1.5	12
366	Thermal characteristics of inclined plate impinged by underexpanded sonic jet. International Journal of Heat and Mass Transfer, 2013, 62, 223-229.	2.5	6
367	Reprint of "Control of pool boiling incipience in confined space: Dynamic morphing of the wall effect― Applied Thermal Engineering, 2013, 59, 696-703.	3.0	1
368	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
369	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
370	Numerical Simulation of the Jet Impingement Cooling of a Circular Cylinder. Numerical Heat Transfer; Part A: Applications, 2013, 64, 153-185.	1.2	49
371	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
372	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
373	Investigation on the Multiple Jet Impingement Heat Transfer Using Al2O3-Water Nanofluid. , 2013, , .		1
374	Determination of Rewetting Velocity During Jet Impingement Cooling of a Hot Surface. Journal of Thermal Science and Engineering Applications, 2013, 5, .	0.8	7
375	A Study on the Key Parameters of Slit Air Nozzle for the Coating Process of Li-Ion Power Battery. Applied Mechanics and Materials, 0, 470, 495-498.	0.2	0
376	Scaling of Convective Heat Transfer Enhancement Due to Flow Pulsation in an Axisymmetric Impinging Jet. Journal of Heat Transfer, 2013, 135, .	1.2	30
377	Flow and Heat Transfer Characteristics of Single Jet Impinging on Dimpled Surface. Journal of Heat Transfer, 2013, 135, .	1.2	37
378	Flow and Heat Transfer of a Microjet Impinging on a Heated Chip: Part II — Heat Transfer. Nanoscale and Microscale Thermophysical Engineering, 2013, 17, 92-111.	1.4	11
379	Computational Fluid Dynamics Applications in Food Processing. , 2013, , .		16
380	Experimental investigation of the wall shear stress in a circular impinging jet. Physics of Fluids, 2013, 25, .	1.6	31
381	The Effect of Particle Concentration on Cooling of a Circular Horizontal Surface Using Nanofluid Jets. Nanoscale and Microscale Thermophysical Engineering, 2013, 17, 154-171.	1.4	22

#	Article	IF	CITATIONS
382	Large Eddy Simulation of Two-Dimensional Impingement Jet Heat Transfer Enhanced by a Rib Turbulator. Journal of Smart Processing, 2013, 2, 272-279.	0.0	1
383	Single Pulse Jet Impingement on Inclined Surface, Heat Transfer and Flow Field. , 0, , .		9
384	Enhancement of Two-Dimensional Impingement Jet Heat Transfer with Rib Turbulators Placed in Wall Jet Region. Journal of Smart Processing, 2013, 2, 263-271.	0.0	0
385	Measurements of a single pulse impinging jet. A CFD reference. EPJ Web of Conferences, 2014, 67, 02010.	0.1	2
386	Annular Impinging Jet Controlled by Radial Synthetic Jets. Heat Transfer Engineering, 2014, 35, 1450-1461.	1.2	19
387	Numerical Investigation on the Fluid Flow Characteristics of a Laminar Slot Jet on Solid Block Mounted on a Horizontal Surface. Arabian Journal for Science and Engineering, 2014, 39, 8077-8098.	1.1	5
388	Numerical Investigation on Jet Impingement Behaviors Affected by a Vertically Rotating Disk Suspended Close to the Surface. Mathematical Problems in Engineering, 2014, 2014, 1-11.	0.6	1
389	Heat Transfer Characteristics of an Inclined Impinging Jet on a Curved Surface in Crossflow. Journal of Heat Transfer, 2014, 136, .	1.2	18
390	Experimental Validation of a Computational Fluid Dynamics Methodology for Transitional Flow Heat Transfer Characteristics of a Steady Impinging Jet. Journal of Heat Transfer, 2014, 136, .	1.2	29
391	An Area-Average Correlation for Oil-Jet Cooling of Automotive Pistons. Journal of Heat Transfer, 2014, 136, .	1.2	9
392	Large-Eddy Simulation and Conjugate Heat Transfer in a Round Impinging Jet. , 2014, , .		11
393	Measurement of Heat Transfer Coefficients in Gaseous Flow: First Test of a Recent Sensor Concept for Stationary and Oscillating Flow. , 2014, , .		0
394	Supersonic Jet Impingement on a Cylinder and Characterization of the Resulting Deflected Jets. Journal of Fluids Engineering, Transactions of the ASME, 2014, 136, .	0.8	2
395	Reynolds Averaged and Large Eddy Computations of Flow and Heat Transfer Under Round Jet Impingement. , 2014, , .		3
396	Erosion threshold of a liquid immersed granular bed by an impinging plane liquid jet. Physics of Fluids, 2014, 26, .	1.6	26
397	Evidence of flow vortex signatures on wall fluctuating temperature using unsteady infrared thermography for an acoustically forced impinging jet. International Journal of Heat and Fluid Flow, 2014, 50, 38-50.	1.1	12
398	Oscillation and heat transfer in upward laminar impinging jet flows. International Journal of Heat and Fluid Flow, 2014, 50, 316-329.	1.1	3
399	Heat transfer in a turbulent jet impinging on a moving plate considering high plate-to-jet velocity ratios. Journal of Mechanical Science and Technology, 2014, 28, 4509-4516.	0.7	14

#	Article	IF	Citations
400	Behavior of Air Jet Impinging on Curved Surfaces. Journal of Aerospace Engineering, 2014, 27, .	0.8	3
401	Numerical and Experimental Study of the Flow Field Structure Evolution in the Circular Recess of Oil Cavity. Mathematical Problems in Engineering, 2014, 2014, 1-11.	0.6	2
402	Laminar forced convection of a confined slot impinging jet in a converging channel. International Journal of Thermal Sciences, 2014, 77, 130-138.	2.6	20
403	Laser imaging investigation of transient heat transfer processes in turbulent nitrogen jets impinging on a heated wall. International Journal of Heat and Mass Transfer, 2014, 74, 101-112.	2.5	26
404	Convective heat transfer by a row of confined air jets from round holes equipped with triangular tabs. International Journal of Heat and Mass Transfer, 2014, 72, 222-233.	2.5	25
405	Time and phase average heat transfer in single and twin circular synthetic impinging air jets. International Journal of Heat and Mass Transfer, 2014, 73, 776-788.	2.5	67
406	Hole Staggering Effect on the Cooling Performance of Narrow Impingement Channels Using the Transient Liquid Crystal Technique. Journal of Heat Transfer, 2014, 136, .	1.2	23
407	Heat transfer from a flat surface to an inclined impinging jet. Heat and Mass Transfer, 2014, 50, 915-922.	1.2	20
408	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
409	Heat transfer enhancement of impinging jets with fractal-generated turbulence. International Journal of Heat and Mass Transfer, 2014, 75, 173-183.	2.5	63
410	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
411	Pulsating nanofluids jet impingement cooling of a heated horizontal surface. International Journal of Heat and Mass Transfer, 2014, 69, 54-65.	2.5	128
412	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
413	An inverse design method for a cavity receiver used in solar dish Brayton system. Solar Energy, 2014, 110, 745-755.	2.9	36
414	Flow structure and turbulent heat and mass transfer at the stagnation point of an impact impulse gas-droplet jet. High Temperature, 2014, 52, 560-567.	0.1	6
415	Simultaneous Estimation of Boundary Heat Flux and Convective Heat Transfer Coefficient of a Curved Plate Subjected to a Slot Liquid Jet Impingement Cooling. Numerical Heat Transfer; Part A: Applications, 2014, 66, 252-270.	1.2	8
416	LES of a turbulent jet impinging on a heated wall using high-order numerical schemes. International Journal of Heat and Fluid Flow, 2014, 50, 177-187.	1.1	61
417	Slot jet impingement heat transfer in the presence of jet-axis switching. International Journal of Heat and Mass Transfer, 2014, 78, 50-57.	2.5	10

#	Article	IF	CITATIONS
418	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
419	An experimental and numerical study of finned metal foam heat sinks under impinging air jet cooling. International Journal of Heat and Mass Transfer, 2014, 77, 1063-1074.	2.5	142
420	Heat transfer enhancement in laminar impinging flows with a non-newtonian inelastic fluid. Journal of Non-Newtonian Fluid Mechanics, 2014, 211, 50-61.	1.0	15
421	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
422	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
423	Active control of impinging jet for modification of mixing. Journal of Mechanical Science and Technology, 2014, 28, 927-935.	0.7	3
424	Turbulent structures in the flow field of plane jet impinging on a circular cylinder. Experimental Thermal and Fluid Science, 2014, 57, 27-39.	1.5	8
425	Asymmetric heat transfer in liquid–liquid segmented flow in microchannels. International Journal of Heat and Mass Transfer, 2014, 77, 385-394.	2.5	4
426	Experimental Investigation of Jet Impingement Heat Transfer in Cross-Flow Modified by a V-Shaped Rib. , 2014, , .		0
427	Entropy generation and second law analysis of pulsed impinging jet. International Journal of Numerical Methods for Heat and Fluid Flow, 2015, 25, 1089-1106.	1.6	17
428	Experimental Investigations about Heat Transfer Characteristics of Irregular Impingement Jet Arrays in Typical Active Clearance Control System. , 2015, , .		0
429	Blade Triggered Excitation of Periodically Unsteady Impinging Jets for Efficient Turbine Liner Segment Cooling. , 2015, , .		0
430	Impingement Cooling in a Simulated Data Center Servers With an Array of Elliptic Air Jets. , 2015, , .		0
431	Technologies for Biodiesel Production in Sub-Saharan African Countries. , 2015, , .		3
432	IMPINGEMENT COOLING OF HOT METAL STRIPS IN RUNOUT TABLE - A REVIEW. Interfacial Phenomena and Heat Transfer, 2015, 3, 117-137.	0.3	7
433	Mass transfer and shear rate on a wall normal to an impinging circular jet. Chemical Engineering Science, 2015, 132, 32-45.	1.9	8
434	Direct comparison of LES and experiment of a single-pulse impinging jet. International Journal of Heat and Mass Transfer, 2015, 88, 102-110.	2.5	16
435	Heat Transfer From an Isothermally Heated Flat Surface Due to Confined Laminar Twin Oblique Slot-Jet Impingement. Journal of Thermal Science and Engineering Applications, 2015, 7, .	0.8	15

#	Article	IF	CITATIONS
436	Conjugate Heat Transfer Study of Turbulent Slot Impinging Jet. Journal of Thermal Science and Engineering Applications, 2015, 7, .	0.8	4
437	Numerical Characterization of a Jet Impingement Cooling System Using Coupled Heat Transfer Analysis. , 2015, , .		1
438	Fluid flow and convective heat transfer of combined swirling and straight impinging jet arrays. Applied Thermal Engineering, 2015, 78, 62-73.	3.0	37
439	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
440	"Stagnation flow heat transfer of confined, impinging hot water jets under supercritical pressures― Journal of Supercritical Fluids, 2015, 99, 51-60.	1.6	7
441	Heat transfer and flow structure of a multichannel impinging jet. International Journal of Thermal Sciences, 2015, 90, 323-338.	2.6	39
442	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
443	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
444	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
445	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
446	Heat transfer enhancement from a small rectangular channel with different surface protrusions by a turbulent cross flow jet. International Journal of Thermal Sciences, 2015, 98, 32-41.	2.6	55
447	Impingement pressure characteristics of swirling and non-swirling turbulent jets. Experimental Thermal and Fluid Science, 2015, 68, 722-732.	1.5	45
448	The effect of inflow conditions on the development of non-swirling versus swirling impinging turbulent jets. Computers and Fluids, 2015, 118, 255-273.	1.3	37
449	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
450	Experimental and numerical investigation of heat transfer coefficients in gaseous impinging jets – First test of a recent sensor concept forÂsteady and unsteady flow. International Journal of Thermal Sciences, 2015, 96, 290-304.	2.6	6
451	Experimental and numerical study of a small-scale and low-velocity indoor diffuser for displacement ventilation: Isothermal floor. Applied Thermal Engineering, 2015, 87, 79-88.	3.0	2
452	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
453	Active Flow and Combustion Control 2014. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2015, , .	0.2	6

#	Article	IF	CITATIONS
454	Direct numerical simulation of a turbulent jet impinging on a heated wall. Journal of Fluid Mechanics, 2015, 764, 362-394.	1.4	89
455	Three dimensional features of convective heat transfer in droplet-based microchannel heat sinks. International Journal of Heat and Mass Transfer, 2015, 86, 455-464.	2.5	34
456	A numerical study of heat transfer in a turbulent pulsating impinging jet. Canadian Journal of Chemical Engineering, 2015, 93, 959-969.	0.9	18
457	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
458	The Consequence of Target Surface Curvature in the Jet Impingement Cooling. Applied Mechanics and Materials, 0, 766-767, 1148-1152.	0.2	1
459	Integrated Design of a Hybrid Gas Turbine-receiver Unit for a Solar Dish System. Energy Procedia, 2015, 69, 583-592.	1.8	32
460	Application of various RANS based models towards predicting turbulent slot jet impingement. International Journal of Thermal Sciences, 2015, 98, 332-351.	2.6	24
461	Influence of different temperature distributions on the fatigue life of a motorcycle piston. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2015, 229, 1276-1288.	1.1	17
462	Experimental and Numerical Study of Deposition in Pin Fin Arrays with Impingement Cooling Jets. , 2015, , .		2
463	Conjugate Jet Impingement Heat Transfer Investigation via Transient Thermography Method. Journal of Thermophysics and Heat Transfer, 2015, 29, 737-746.	0.9	7
464	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
465	Experimental Investigation of Heat Transfer for a Jet Impinging Obliquely on a Flat Surface. Experimental Heat Transfer, 2015, 28, 378-391.	2.3	28
466	Heat transfer and acoustic study of impinging synthetic jet using diamond and oval shape orifice. International Journal of Thermal Sciences, 2015, 89, 100-109.	2.6	49
467	Stagnation Region Heat Transfer for Circular Jets Impinging on a Flat Plate. Experimental Heat Transfer, 2015, 28, 139-155.	2.3	11
468	Numerical study of fluid flow and heat transfer characteristics inÂanÂintermittent turbulent impinging round jet. International Journal of Thermal Sciences, 2015, 87, 85-93.	2.6	37
469	Measurements of skin friction and heat transfer beneath an impinging slot jet. Experimental Thermal and Fluid Science, 2015, 60, 213-222.	1.5	7
470	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
471	Thermal Mapping Using InfraredÂThermography. , 2016, , 215-250.		3

#	Article	IF	CITATIONS
472	Flow Visualization. , 2016, , 15-59.		4
473	Pneumatic Measurements for Pressure, Velocity, and Flow-direction. , 2016, , 61-100.		2
474	Steady regime of a turbulent plane jet flowing into a rectangular hot cavity. Progress in Computational Fluid Dynamics, 2016, 16, 179.	0.1	5
475	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
476	A Study on Defect Detection of Magnetic Tile Based on the Machine Vision Technology. , 2016, , .		1
477	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
478	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
479	Secondary peak in the Nusselt number distribution of impinging jet flows: A phenomenological analysis. Physics of Fluids, 2016, 28, .	1.6	36
480	Convective heat transfer enhancement from a small rectangular channel by a cross-flow Jet: A CFD study. , 2016, , .		0
481	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
482	Specific features of heat transfer at the stagnation point of an impact axisymmetric jet at low Reynolds numbers. High Temperature, 2016, 54, 454-456.	0.1	7
484	Heat transfer and flow structure of an impinging jet with upstream flow. International Journal of Thermal Sciences, 2016, 109, 386-400.	2.6	9
485	Conceptual design of helium cooling circuit for irradiation target. Progress in Nuclear Energy, 2016, 92, 54-61.	1.3	5
486	Experimental investigation of CO2 dry-ice assisted jet impingement cooling. Applied Thermal Engineering, 2016, 107, 927-935.	3.0	19
487	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
488	Heat transfer characteristics of swirling and non-swirling impinging turbulent jets. International Journal of Heat and Mass Transfer, 2016, 102, 991-1003.	2.5	54
489	Experimental and Computational Flow Analyses of a Single Jet Impinging on a Flat Plate. , 2016, , .		0
490	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

#	Article	IF	CITATIONS
491	Three-dimensional simulation of impingement jet flow and heat transfer with various working fluids. , 2016, , .		0
492	Effect of Baking in Product Quality and Baking Ovens. Contemporary Food Engineering, 2016, , 189-212.	0.2	0
493	The thermal interaction of a buoyant plume from a calandria tube with an oblique jet. Nuclear Engineering and Design, 2016, 310, 163-174.	0.8	2
494	Large-eddy simulation of impinging jets on smooth and rough surfaces. Journal of Turbulence, 2016, 17, 847-869.	0.5	11
495	Numerical investigation of heat transfer enhancement from a protruded surface by cross-flow jet using Al2O3–water nanofluid. International Journal of Heat and Mass Transfer, 2016, 101, 550-561.	2.5	15
496	Nanofluid Impinging Jets in Porous Media. , 2016, 7, 84-113.		1
497	Flow field features of fractal impinging jets at short nozzle to plate distances. Experimental Thermal and Fluid Science, 2016, 78, 334-344.	1.5	22
498	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
499	The characterization of a low-profile channel–confined jet for targeted hot-spot cooling in microfluidic applications. International Journal of Heat and Mass Transfer, 2016, 101, 620-628.	2.5	11
500	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
501	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
502	Investigation of impinging single and twin circular synthetic jets flow field. Experimental Thermal and Fluid Science, 2016, 74, 354-367.	1.5	42
503	Assessment of six turbulence models for modeling and predicting narrow passage flows, part 1: Impingement jets. Numerical Heat Transfer; Part A: Applications, 2016, 69, 109-127.	1.2	12
504	Thermal and fluid dynamic behaviors of confined laminar impinging slot jets with nanofluids. International Communications in Heat and Mass Transfer, 2016, 70, 15-26.	2.9	59
505	Effect of guide wall on jet impingement cooling in blade leading edge channel. Journal of Mechanical Science and Technology, 2016, 30, 525-531.	0.7	9
506	Simulation of a gaseous jet impinging on a convex heated surface – effect of inlet condition. Applied Thermal Engineering, 2016, 105, 1076-1084.	3.0	7
507	CFD Study on Convective Heat Exchange between Impinging Gas Jets and Solid Surfaces. Energy Procedia, 2016, 85, 481-488.	1.8	9
508	Blade Triggered Excitation of Periodically Unsteady Impinging Jets for Efficient Turbine Liner Segment Cooling. Journal of Turbomachinery, 2016, 138, .	0.9	0

#	Article	IF	CITATIONS
509	Effect of compressibility and nozzle configuration on heat transfer by impinging air jet over a smooth plate. Applied Thermal Engineering, 2016, 101, 293-307.	3.0	7
510	Stagnation Heat Transfer on a Concave Surface Cooled by Unconfined Slot Jet. Journal of Thermophysics and Heat Transfer, 2016, 30, 558-566.	0.9	9
511	The effect of the cooling nozzle arrangement to the thermal performance of a solar impinging receiver. Solar Energy, 2016, 131, 222-234.	2.9	22
512	Experimental study of formation and development of coherent vortical structures in pulsed turbulent impinging jet. Experimental Thermal and Fluid Science, 2016, 74, 382-389.	1.5	30
513	Jet Impingement Heat Transfer Enhancement on a rib-roughened Flat Plate. , 2016, , .		1
514	Jet Diameter Effect on Impingement Jet Cooling on the Leading Edge of a Turbine Blade. , 2016, , .		2
515	Comparative Performance Analysis of Microjet Impingement Cooling Models with Different Spent-Flow Schemes. Journal of Thermophysics and Heat Transfer, 2016, 30, 466-472.	0.9	12
516	Large Eddy Simulation of Turbulent Slot Jet Impingement Heat Transfer at Small Nozzle-to-Plate Spacing. Heat Transfer Engineering, 2016, 37, 1242-1251.	1.2	16
517	Isothermal air jet and premixed flame jet impingement: Heat transfer characterisation and comparison. International Journal of Thermal Sciences, 2016, 100, 401-415.	2.6	27
518	Influence of the shape of the orifice on the local heat transfer distribution between smooth flat surface and impinging incompressible air jet. Experimental Thermal and Fluid Science, 2016, 70, 292-306.	1.5	20
519	On the Capability of PIV-Based Wall Pressure Estimation for an Impinging Jet Flow. Flow, Turbulence and Combustion, 2016, 96, 667-692.	1.4	3
520	Numerical study of the flow and heat transfer in a turbulent bubbly jet impingement. International Journal of Heat and Mass Transfer, 2016, 92, 689-699.	2.5	9
522	Heat transfer distribution of impinging flame and air jets – A comparative study. Applied Thermal Engineering, 2016, 92, 42-49.	3.0	14
523	Influence of jet temperature and nozzle shape on the heat transfer distribution between a smooth plate and impinging air jets. International Journal of Thermal Sciences, 2016, 99, 136-151.	2.6	39
524	Modeling heat transfer in spray impingement under direct-injection engine conditions. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2016, 230, 885-898.	1.1	5
525	Role of Laminar Length of Round Jet Impinging on Metal Foams. Journal of Thermophysics and Heat Transfer, 2016, 30, 103-110.	0.9	7
526	Local distribution of wall static pressure and heat transfer on a smooth flat plate impinged by a slot air jet. Heat and Mass Transfer, 2017, 53, 611-623.	1.2	12
527	Experimental and numerical study of heat transfer from a heated flat plate in a rectangular channel with an impinging air jet. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2017, 39, 329-344.	0.8	28

#	Article	IF	CITATIONS
528	Flow field and thermal behaviour in swirling and non-swirling turbulent impinging jets. International Journal of Thermal Sciences, 2017, 114, 241-256.	2.6	55
529	Experimental study on heat transfer of jet impingement with a moving nozzle. Applied Thermal Engineering, 2017, 115, 682-691.	3.0	17
530	Numerical Simulation of Oblique Air Jet Impingement on a Heated Flat Plate. Journal of Thermal Science and Engineering Applications, 2017, 9, .	0.8	5
531	Effects of Nanoparticle Shape on Slot-Jet Impingement Cooling of a Corrugated Surface With Nanofluids. Journal of Thermal Science and Engineering Applications, 2017, 9, .	0.8	47
532	Numerical study on free-surface jet impingement cooling with nanoencapsulated phase-change material slurry and nanofluid. International Journal of Heat and Mass Transfer, 2017, 109, 312-325.	2.5	47
533	LES of Normally Impinging Elliptic Air-Jet Heat Transfer at Re=4400. Advances in Applied Mathematics and Mechanics, 2017, 9, 485-500.	0.7	1
534	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
535	Experimental investigation on heat transfer from square jets issuing from perforated nozzles. Heat and Mass Transfer, 2017, 53, 2363-2375.	1.2	11
536	Experimental investigation on the effect of wire mesh at the nozzle exit on heat transfer from impinging square jets. Experimental Thermal and Fluid Science, 2017, 84, 78-89.	1.5	7
537	Heat transfer of swirling impinging jets with TiO 2 -water nanofluids. Chemical Engineering and Processing: Process Intensification, 2017, 114, 16-23.	1.8	35
538	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
539	Confined impinging air jet on a heated cylinder at low Mach number. International Journal of Thermal Sciences, 2017, 118, 1-11.	2.6	2
540	Optimal diameter of nozzles of synthetic jet actuators based on electrodynamic transducers. Experimental Thermal and Fluid Science, 2017, 86, 281-294.	1.5	36
541	An analysis of turbulence models for prediction of forced convection of air stream impingement on rotating disks at different angles. International Journal of Thermal Sciences, 2017, 118, 139-151.	2.6	2
542	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
543	Conjugate heat transfer study of a turbulent slot jet impinging on a moving plate. Heat and Mass Transfer, 2017, 53, 1017-1035.	1.2	22
544	Influence of the nozzle shape on heat transfer uniformity for in-line array of impinging air jets. Applied Thermal Engineering, 2017, 120, 160-169.	3.0	34
545	Cooling of small size irradiation specimens using impinging jets. International Communications in Heat and Mass Transfer, 2017, 84, 20-26.	2.9	5

#	Article	IF	CITATIONS
546	Nano-inspired smart interfaces: fluidic interactivity and its impact on heat transfer. Scientific Reports, 2017, 7, 45323.	1.6	6
547	Impinging Air Jets on Flat Surfaces at Low Reynolds Numbers. Energy Procedia, 2017, 112, 194-203.	1.8	9
548	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
549	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
550	A numerical investigation and design optimization of impingement cooling system with an array of air jets. International Journal of Heat and Mass Transfer, 2017, 108, 880-900.	2.5	27
551	Effects of spent air removal scheme on internal-side heat transfer in an impingement-effusion system at low jet-to-target plate spacing. International Journal of Heat and Mass Transfer, 2017, 108, 998-1010.	2.5	51
552	Experimental and numerical heat transfer investigation of an impingement jet array with V-ribs on the target plate and on the impingement plate. International Journal of Heat and Fluid Flow, 2017, 68, 126-138.	1.1	34
553	Experimental investigation on impingement of a submerged circular water jet at varying impinging angles and Reynolds numbers. Experimental Thermal and Fluid Science, 2017, 89, 189-198.	1.5	32
554	Numerical simulation of heat transfer characteristics of jet impingement with a novel single cone heat sink. Applied Thermal Engineering, 2017, 127, 906-914.	3.0	25
555	A Combined Experimental and Numerical Investigation of the Flow and Heat Transfer Inside a Turbine Vane Cooled by Jet Impingement. , 2017, , .		1
556	Conjugated heat transfer on leading edge of a wedge-shaped concave wall internally impinged by hot jets from corrugated orifice plate. International Communications in Heat and Mass Transfer, 2017, 87, 237-249.	2.9	6
557	Heat transfer in rectangular channels with porous wire mesh under impinging jet conditions. International Journal of Thermal Sciences, 2017, 122, 92-101.	2.6	5
558	Flow and heat transfer of hot impinging jets issuing from lobed nozzles. International Journal of Heat and Fluid Flow, 2017, 67, 185-201.	1.1	9
559	Numerical study on heat transfer by swirling impinging jets issuing from a screw-thread nozzle. International Journal of Heat and Mass Transfer, 2017, 115, 232-237.	2.5	26
560	Experimental and numerical investigations of slot jet impingement with and without a semi-circular bottom confinement. International Journal of Heat and Mass Transfer, 2017, 114, 866-890.	2.5	11
561	Advances in material and friction data for modelling of metal machining. CIRP Annals - Manufacturing Technology, 2017, 66, 731-754.	1.7	198
562	Statistics of fully turbulent impinging jets. Journal of Fluid Mechanics, 2017, 825, 795-824.	1.4	27
563	Liquidâ€like wave structure on granular film from granular jet impact. AICHE Journal, 2017, 63, 3276-3285.	1.8	8

		CITATION REPORT		
#	ARTICLE	with	IF	CITATIONS
564	CuO-water nanofluid. International Communications in Heat and Mass Transfer, 2017,	89, 211-218.	2.9	54
565	Local distribution of wall static pressure and heat transfer on a rough flat plate impinge air jet. Heat and Mass Transfer, 2017, 53, 2497-2515.	d by a slot	1.2	11
566	Impinging Sweeping Jet Heat Transfer. , 2017, , .			14
567	Turbulent flow structure and bubble distribution in an axisymmetric nonisothermal imp gas-liquid jet. Fluid Dynamics, 2017, 52, 288-298.	inging	0.2	2
568	Numerical Investigation on Orthogonal Impingement of Circular Air Jet on a Heated Flat Jet Plate Spacing. Lecture Notes in Mechanical Engineering, 2017, , 1673-1683.	: Plate at Low	0.3	0
569	Large Eddy Simulation of Normally Impinging Round Air-Jet Heat Transfer at Moderate R Numbers. Heat Transfer Engineering, 2017, 38, 1439-1448.	Reynolds	1.2	1
570	On the flow organization of a chevron synthetic jet. Experimental Thermal and Fluid Sci 136-146.	ence, 2017, 82,	1.5	25
571	Combination of PIV and PLIF methods to study convective heat transfer in an impinging Experimental Thermal and Fluid Science, 2017, 80, 139-146.	gjet.	1.5	37
572	Effect of the grid geometry on the convective heat transfer of impinging jets. Internatic Heat and Mass Transfer, 2017, 104, 39-50.	onal Journal of	2.5	25
573	Experimental investigation of the inlet condition on jet impingement heat transfer using crystal thermography. Experimental Thermal and Fluid Science, 2017, 80, 363-375.	g liquid	1.5	18
574	Local heat transfer distribution on a flat plate impinged by a swirling jet generated by a International Journal of Thermal Sciences, 2017, 111, 351-368.	twisted tape.	2.6	19
575	Numerical investigations of heat transfer and pressure drop characteristics in multiple j impingement system. Applied Thermal Engineering, 2017, 110, 1511-1524.	et	3.0	68
576	Experimental and numerical study on the transient heat-transfer characteristics of circu impingement on a flat plate. International Journal of Heat and Mass Transfer, 2017, 104	lar air-jet 4, 1177-1188.	2.5	34
577	Experimental investigation on the performance of an impinging jet solar air heater. AEJ Engineering Journal, 2017, 56, 63-69.	- Alexandria	3.4	49
578	Velocity and temperature profiles, wall shear stress and heat transfer coefficient of turb impinging jets. International Journal of Heat and Mass Transfer, 2017, 107, 846-861.	pulent	2.5	12
579	Influence of surface structure on impinging jets aerodynamics. , 2017, , .			2
580	Thermo-fluid-dynamic analysis of innovative synthetic jet devices. IOP Conference Serie Science and Engineering, 2017, 249, 012001.	s: Materials	0.3	0
581	The study of flow and heat transfer characteristics of impinging jet array mounting air-in IOP Conference Series: Materials Science and Engineering, 2017, 243, 012001.	nduced duct.	0.3	1

#	Article	IF	CITATIONS
582	Heat transfer at a stagnation point of impinging round air jet at low Reynolds numbers. MATEC Web of Conferences, 2017, 115, 02014.	0.1	0
583	Experimental simulation of downward molten material relocation by jet ablation of structures and fuel coolant interaction in a fast reactor. Progress in Nuclear Energy, 2018, 105, 194-201.	1.3	7
584	Mechanisms of power dissipation in piezoelectric fans and their correlation with convective heat transfer performance. Sensors and Actuators A: Physical, 2018, 272, 242-252.	2.0	10
585	Study of an array of two circular jets impinging on a flat surface. E3S Web of Conferences, 2018, 32, 01021.	0.2	0
586	The thermal and hydrodynamic behaviour of confined, normally impinging laminar slot jets. International Journal of Heat and Mass Transfer, 2018, 123, 40-53.	2.5	11
587	Effect of vortical structures on velocity and turbulent fields in the near region of an impinging turbulent jet. Physics of Fluids, 2018, 30, 035107.	1.6	29
588	Numerical study of turbulent annular impinging jet flow and heat transfer from a flat surface. Applied Thermal Engineering, 2018, 138, 154-172.	3.0	34
589	Flow structure and heat transfer of a sweeping jet impinging on a flat wall. International Journal of Heat and Mass Transfer, 2018, 124, 920-928.	2.5	56
590	Investigation of geometry and dimensionless parameters effects on the flow field and heat transfer of impingement synthetic jets. International Journal of Thermal Sciences, 2018, 127, 41-52.	2.6	46
591	Effects of Curvature on the Performance of Sweeping Jet Impingement Heat Transfer. , 2018, , .		20
592	Heat Transfer of Impinging Jet Arrays on a Ribbed Surface. Journal of Thermophysics and Heat Transfer, 2018, 32, 669-679.	0.9	10
593	Transient three-dimensional flow structures of oblique jet impingement on a circular cylinder. Journal of Visualization, 2018, 21, 397-406.	1.1	13
594	Analysis and predictive modeling of nanofluid-jet impingement cooling of an isothermal surface under the influence of a rotating cylinder. International Journal of Heat and Mass Transfer, 2018, 121, 233-245.	2.5	66
595	Slot air jet impingement cooling over a heated circular cylinder with and without a flow confinement. Applied Thermal Engineering, 2018, 132, 352-367.	3.0	10
596	Surface-Wettability Patterning for Distributing High-Momentum Water Jets on Porous Polymeric Substrates. ACS Applied Materials & Interfaces, 2018, 10, 5038-5049.	4.0	25
597	On numerical investigation of local Nusselt distribution between flat surface and impinging air jet from straight circular nozzle and power law correlations generation. Heat Transfer - Asian Research, 2018, 47, 126-149.	2.8	4
598	Wall-mounted perforated cubes in a boundary layer: Local heat transfer enhancement and control. International Journal of Heat and Mass Transfer, 2018, 117, 498-507.	2.5	14
599	Experimental investigation on the overall cooling effectiveness of t-type impinging-film cooling. Applied Thermal Engineering, 2018, 128, 595-603.	3.0	10

#	Article	IF	CITATIONS
600	Numerical analysis of turbulent flow and heat transfer of sinusoidal pulsed jet impinging on an asymmetrical concave surface. Applied Thermal Engineering, 2018, 128, 578-585.	3.0	30
601	Natural convection in a cross-fin heat sink. Applied Thermal Engineering, 2018, 132, 30-37.	3.0	89
602	A Combined Experimental and Numerical Investigation of the Flow and Heat Transfer Inside a Turbine Vane Cooled by Jet Impingement. Journal of Turbomachinery, 2018, 140, .	0.9	5
603	Cooling of a Partially Elastic Isothermal Surface by Nanofluids Jet Impingement. Journal of Heat Transfer, 2018, 140, .	1.2	19
604	Effects of the stroke length and nozzle-to-plate distance on synthetic jet impingement heat transfer. International Journal of Heat and Mass Transfer, 2018, 117, 1019-1031.	2.5	83
605	Air jet impingement to reduce hot strip wave on a run-out table. Mechanics and Industry, 2018, 19, 601.	0.5	2
606	Numerical simulation of micron and submicron droplets in jet impinging. Advances in Mechanical Engineering, 2018, 10, 168781401880531.	0.8	1
607	Transient heat transfer characterization of impinging hot / cold jets by analytical IHCP. IOP Conference Series: Materials Science and Engineering, 2018, 376, 012027.	0.3	2
608	Turbine Vane Leading Edge Impingement Cooling With a Sweeping Jet. , 2018, , .		11
609	Heat transfer and flow characteristics of turbulent slot jet impingement on plane and ribbed surfaces. Thermophysics and Aeromechanics, 2018, 25, 717-734.	0.1	8
610	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. Chinese Journal of Aeronautics, 2018, 31, 1962-1972.	2.8	15
611	Near-Wall Thermal Processes in an Inclined Impinging Jet: Analysis of Heat Transport and Entropy Generation Mechanisms. Energies, 2018, 11, 1354.	1.6	22
612	The Experimental Investigation of Impinging Heat Transfer of Pulsation Jet on the Flat Plate. Journal of Heat Transfer, 2018, 140, .	1.2	4
613	Wettability-confined liquid-film convective cooling: Parameter study. International Journal of Heat and Mass Transfer, 2018, 126, 667-676.	2.5	9
614	Experimental investigation of circular submerged jet impingement heat transfer with mixed molten salt. Experimental Thermal and Fluid Science, 2018, 98, 30-37.	1.5	5
615	Effect of the shape of flow confinement on turbulent slot jet impingement cooling of a heated circular cylinder. International Journal of Thermal Sciences, 2018, 131, 114-131.	2.6	8
616	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
617	A comparative study of passive control on flow structure evolution and convective heat transfer enhancement for impinging jet. International Journal of Heat and Mass Transfer, 2018, 126, 256-280.	2.5	20

#	Article	IF	CITATIONS
618	Separation of heat transfer components from impinging methane diffusion flames. International Journal of Heat and Mass Transfer, 2018, 126, 123-138.	2.5	10
619	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
620	Experimental study on temperature variation patterns and deterioration of spray cooling with R21. International Journal of Heat and Mass Transfer, 2018, 121, 1159-1167.	2.5	5
621	Analytical re-examination of the submerged laminar jet's velocity evolution. Physics of Fluids, 2018, 30, 063604.	1.6	14
622	Impinging jets – a short review on strategies for heat transfer enhancement. E3S Web of Conferences, 2018, 32, 01013.	0.2	2
623	Numerical analysis of jet impingement cooling of nuclear fuel rod using finite element method. AIP Conference Proceedings, 2018, , .	0.3	0
624	Flow Structure and Heat Transfer of Jet Impingement on a Rib-Roughened Flat Plate. Energies, 2018, 11, 1550.	1.6	14
625	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
626	Development of a heat sink module for a near-term DEMO divertor. Fusion Engineering and Design, 2018, 133, 77-88.	1.0	7
627	Convective heat transfer in circular and chevron impinging synthetic jets. International Journal of Heat and Mass Transfer, 2018, 126, 969-979.	2.5	20
628	Effects of Exit Fan Angle on the Heat Transfer Performance of Sweeping Jet Impingement. , 2018, , .		15
629	A dynamic detached-eddy simulation model for turbulent heat transfer: Impinging jet. International Journal of Heat and Mass Transfer, 2018, 127, 326-338.	2.5	15
630	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
631	Eulerian multiphase analysis for heat transfer enhancement by CO2 sublimation in slot jet impingement. International Journal of Multiphase Flow, 2018, 107, 182-191.	1.6	8
632	Confined inclined thermal convection in low-Prandtl-number fluids. Journal of Fluid Mechanics, 2018, 850, 984-1008.	1.4	43
633	Analytical study of the heat transfer coefficient of the impinging air jet during cold spraying. International Journal of Thermal Sciences, 2018, 130, 289-297.	2.6	8
634	Schlieren imaging: a powerful tool for atmospheric plasma diagnostic. EPJ Techniques and Instrumentation, 2018, 5, .	0.5	40
635	An axial type impinging receiver. Energy, 2018, 162, 318-334.	4.5	11

#	Article	IF	CITATIONS
636	Enhancement of Jet Impingement Heat Transfer by Means of Jet Axis Switching. Advances in Heat Transfer, 2018, , 1-41.	0.4	2
637	Numerical Study of Impingement Cooling of Aviation Kerosene at Supercritical Conditions. Journal of Heat Transfer, 2018, 140, .	1.2	2
638	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
639	Temperature fields generated by a circular heat source (CHS) in an infinite medium: Analytical derivation and comparison to finite element modeling. International Journal of Heat and Mass Transfer, 2018, 126, 1265-1274.	2.5	6
640	Acid Jetting on Carbonate Rocks: A Computational Fluid Dynamics Study at Laboratory Scale. , 2018, , .		2
641	Research on Digital Technology System of Urban Designers. IOP Conference Series: Earth and Environmental Science, 2019, 242, 062056.	0.2	0
642	Comparison between impingement/effusion and double swirl/effusion cooling performance under different effusion hole diameters. International Journal of Heat and Mass Transfer, 2019, 141, 1097-1113.	2.5	20
643	Quantitative visualization of vortex ring structure during wall impingement subject to background rotation. Journal of Visualization, 2019, 22, 867-876.	1.1	1
644	Characterization of Laminar Separation Bubbles Using Infrared Thermography. , 2019, , .		3
645	Cavitation and flow forces in the flapper-nozzle stage of a hydraulic servo-valve manipulated by continuous minijets. Advances in Mechanical Engineering, 2019, 11, 168781401985143.	0.8	9
646	Experimental investigation on the flow regime and impingement heat transfer of dual synthetic jet. International Journal of Thermal Sciences, 2019, 145, 105864.	2.6	13
647	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
648	Experimental investigation of flow dynamics of sweeping jets impinging upon confined concave surfaces. International Journal of Heat and Mass Transfer, 2019, 142, 118457.	2.5	25
649	Thermal and Fluid Dynamic Behaviors of Confined Slot Jets Impinging on an Isothermal Moving Surface with Nanofluids. Energies, 2019, 12, 2074.	1.6	20
650	Enhanced impingement cooling of a circular jet using a piezoelectric fan. Applied Thermal Engineering, 2019, 160, 114067.	3.0	13
651	Influence of moving plate velocity on conjugate heat transfer due to the impingement of an inclined slot jet. International Journal of Modern Physics C, 2019, 30, 2050006.	0.8	2
652	Vortices evolution in round pockets of modern machine tools. Lubrication Science, 2019, 31, 299-310.	0.9	1
653	Heat transfer of a sweeping jet impinging at narrow spacings. Experimental Thermal and Fluid Science, 2019, 103, 89-98.	1.5	50

#	Article	IF	CITATIONS
654	Heat Transfer and Pressure Drop Performance of Additively Manufactured Polymer Heat Spreaders for Low-Weight Directed Cooling Integration in Power Electronics. , 2019, , .		8
655	Additively Manufactured Impinging Air Jet Cooler for High-Power Electronic Devices. , 2019, , .		1
656	Micro-Scale Nozzled Jet Heat Transfer Distributions and Flow Field Entrainment Effects Directly on Die. , 2019, , .		2
657	Pulse Frequency Effect on the Flow Structure and Heat Transfer in an Impinging Gas-Saturated Turbulent Jet. Fluid Dynamics, 2019, 54, 488-500.	0.2	0
658	Turbulence characteristics of radially-confined impinging jet flows. International Journal of Heat and Fluid Flow, 2019, 75, 278-299.	1.1	6
659	Turbulence energetics in an axisymmetric impinging jet flow. Physics of Fluids, 2019, 31, .	1.6	8
660	Experimental Investigation of Air–Water Mist Jet Impingement Cooling Over a Heated Cylinder. Journal of Heat Transfer, 2019, 141, .	1.2	13
661	The effect of jet pulsation on the flow field of a round impinging jet and the radially expanding wall jet. International Journal of Heat and Mass Transfer, 2019, 140, 606-619.	2.5	13
662	Experimental study on the condensation and heat transfer of impinging steam jet on the water surface. Annals of Nuclear Energy, 2019, 133, 458-468.	0.9	7
663	Heat transfer investigation of an array of jets impinging on a target plate with detached ribs. International Journal of Heat and Fluid Flow, 2019, 78, 108420.	1.1	25
664	The effect of Total flowrate on the cooling performance of swirling coaxial impinging jets. Heat and Mass Transfer, 2019, 55, 3275-3288.	1.2	27
665	Influence of shock structure on heat transfer characteristics in supersonic under-expanded impinging jets. International Journal of Thermal Sciences, 2019, 141, 62-71.	2.6	13
666	Heat transfer and flow field measurements of a pulsating round jet impinging on a flat heated surface. International Journal of Heat and Fluid Flow, 2019, 77, 278-287.	1.1	16
667	Towards an absolute scale for adhesion strength of ship hull microfouling. Biofouling, 2019, 35, 244-258.	0.8	5
668	Flow field features of chevron impinging synthetic jets at short nozzle-to-plate distance. Experimental Thermal and Fluid Science, 2019, 106, 202-214.	1.5	13
669	Flow and surface pressure field measurements on a circular cylinder with impingement of turbulent round jet. Experimental Thermal and Fluid Science, 2019, 105, 67-76.	1.5	10
670	Measurement of two-dimensional heat transfer and flow characteristics of an impinging sweeping jet. International Journal of Heat and Mass Transfer, 2019, 136, 415-426.	2.5	50
671	Heat transfer correlation of impinging jet array from pipe nozzle under fully developed flow. Applied Thermal Engineering, 2019, 154, 37-45.	3.0	23

#	Article	IF	CITATIONS
672	Comparison of Various RANS Models for Impinging Round Jet Cooling From a Cylinder. Journal of Heat Transfer, 2019, 141, .	1.2	10
673	Falling water films over vertical surfaces due to orthogonal water jet impingement. Fluid Dynamics Research, 2019, 51, 045504.	0.6	0
674	Influences of effusion hole diameter on impingement/effusion cooling performance at turbine blade leading edge. International Journal of Heat and Mass Transfer, 2019, 134, 1101-1118.	2.5	25
675	Entropy Generation Analysis and Thermodynamic Optimization of Jet Impingement Cooling Using Large Eddy Simulation. Entropy, 2019, 21, 129.	1.1	24
676	Characterization of Impingement Heat/Mass Transfer to the Synthetic Jet Generated by a Biomimetic Actuator. Journal of Heat Transfer, 2019, 141, .	1.2	6
677	A computational study of vortex rings interacting with a constant-temperature heated wall. International Journal of Heat and Fluid Flow, 2019, 76, 197-214.	1.1	6
678	Direct numerical simulation of flow and heat transfer in a simplified pressurized thermal shock scenario. International Journal of Heat and Mass Transfer, 2019, 135, 517-540.	2.5	6
679	Numerical study of liquid jet impingement flow and heat transfer of a cone heat sink. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 4074-4092.	1.6	7
680	GPGPU implementation of a lattice Boltzmann methodology for particle transport and deposition in complex flow. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 2324-2351.	1.6	1
681	Analysis of heat transfer and fluid flow of a slot jet impinging on a confined concave surface with various curvature and small jet to target spacing. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 2885-2910.	1.6	3
682	On the Turbulence Generated by Air Jets Impinging on Structured Solid Walls. , 2019, , .		0
683	Relaminarization of a hot air impingement on a flat plate. E3S Web of Conferences, 2019, 128, 10004.	0.2	0
684	The heat transfer of round impinging jets. Journal of Physics: Conference Series, 2019, 1382, 012021.	0.3	0
685	Surface Quenching by Jet Impingement â^' A Review. Steel Research International, 2019, 90, 1800285.	1.0	20
686	OpenFOAM based LES of slot jet impingement heat transfer at low nozzle to plate spacing using four SGS models. Heat and Mass Transfer, 2019, 55, 911-931.	1.2	26
687	Transient heat transfer for the cooling of PVC tubes using water jet. Experimental Thermal and Fluid Science, 2019, 102, 539-547.	1.5	2
688	Estimation of Heat Transfer Coefficient and Reference Temperature in Jet Impingement Using Solution to Inverse Heat Conduction Problem. Lecture Notes in Mechanical Engineering, 2019, , 31-37.	0.3	0
689	Flow and heat transfer of a compressible impinging jet. International Journal of Thermal Sciences, 2019, 136, 357-369.	2.6	10

#	Article	IF	CITATIONS
690	Wall distance effect on heat transfer at high flow velocity. Aircraft Engineering and Aerospace Technology, 2019, 91, 1180-1186.	0.7	0
691	Impinging premixed methane-air flame jet of tube burner: thermal performance analysis for varied equivalence ratios. Heat and Mass Transfer, 2019, 55, 1301-1315.	1.2	4
692	Effect of Slot Jet Temperature on Impingement Heat Transfer Over a Heated Circular Cylinder. Journal of Heat Transfer, 2019, 141, .	1.2	0
693	Cavitation reduction of a flapper-nozzle pilot valve using continuous microjets. International Journal of Heat and Mass Transfer, 2019, 133, 1099-1109.	2.5	19
694	Numerical study of free surface jet impingement on orthogonal surface. International Journal of Multiphase Flow, 2019, 113, 89-106.	1.6	12
695	Heat transfer characteristics of impinging methane diffusion and partially premixed flames. International Journal of Heat and Mass Transfer, 2019, 129, 873-893.	2.5	16
696	Current Perspectives on Non-conventional Heating Ovens for Baking Process—a Review. Food and Bioprocess Technology, 2019, 12, 1-15.	2.6	27
697	Experimental Investigation of Impinging Heat Transfer of the Pulsed Chevron Jet on a Semicylindrical Concave Plate. Journal of Heat Transfer, 2019, 141, .	1.2	7
698	Self-Excited Fluidic Oscillators for Gas Turbines Cooling Enhancement: Experimental and Computational Study. Journal of Thermophysics and Heat Transfer, 2019, 33, 536-547.	0.9	12
699	Convective Heat Transfer Investigation of a Confined Air Slot-Jet Impingement Cooling on Corrugated Surfaces With Different Wave Shapes. Journal of Heat Transfer, 2019, 141, .	1.2	19
700	Irradiation Target Cooling Using Circular/Slot Air Jet. Heat Transfer Engineering, 2019, 40, 193-201.	1.2	0
701	Experimental design for estimation of the distribution of the convective heat transfer coefficient for a bubbly impinging jet. Journal of Thermal Analysis and Calorimetry, 2020, 140, 439-456.	2.0	6
702	Air Jet Impingement Cooling of Electronic Devices Using Additively Manufactured Nozzles. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 220-229.	1.4	52
703	Experimental and numerical investigation of heat transfer characteristics of jet impingement on a flat plate. Heat and Mass Transfer, 2020, 56, 531-546.	1.2	23
704	Flow and heat transfer characteristics of a pulsed jet impinging on a flat plate. Heat and Mass Transfer, 2020, 56, 143-160.	1.2	17
705	Experimental and Numerical Study Upon Uniformity of Impingement Cooling With Pin-Fin Heat Sink. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2020, 10, 88-98.	1.4	6
706	Relevance of Free Jet Model for Soil Erosion by Impinging Jets. Journal of Hydraulic Engineering, 2020, 146, .	0.7	13
707	Study of conjugate heat transfer from the impingement of an inclined free slot jet onto the moving hot surface. International Communications in Heat and Mass Transfer, 2020, 111, 104429.	2.9	14

#	Article	IF	CITATIONS
708	Assessment of the naphthalene sublimation technique for determination of convective heat transfer in fundamental and industrial applications. Heat and Mass Transfer, 2020, 56, 1487-1501.	1.2	1
709	Convective heat transfer on flat and concave surfaces subjected to an impinging jet form lobed nozzle. Science China Technological Sciences, 2020, 63, 116-127.	2.0	14
710	Experimental study of free-surface jet impingement heat transfer with molten salt. International Journal of Heat and Mass Transfer, 2020, 149, 119160.	2.5	13
711	Self-similarity of surface heat transfer fields on a pre-heated rectangular plate in an obliquely impinging sonic jet. International Journal of Heat and Mass Transfer, 2020, 147, 118923.	2.5	8
712	Proper orthogonal decomposition analysis of near-field coherent structures associated with V-notched nozzle jets. Experimental Thermal and Fluid Science, 2020, 112, 109972.	1.5	8
713	The Impingement Heat Transfer Data of Inclined Jet in Cooling Applications: A Review. Journal of Thermal Science, 2020, 29, 1-12.	0.9	18
714	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
715	Numerical Investigation of Nondimensional Constant and Empirical Relation Representing Nusselt Profile Nonuniformity. Journal of Thermophysics and Heat Transfer, 2020, 34, 215-229.	0.9	1
716	Turbulent multi-jet impingement cooling of a heated circular cylinder. International Journal of Thermal Sciences, 2020, 148, 106167.	2.6	23
717	Numerical investigation of impingement heat transfer on smooth and roughened surfaces in a high-pressure turbine inner casing. International Journal of Thermal Sciences, 2020, 149, 106186.	2.6	25
718	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
719	Numerical Investigation of Thermal Transport in Foam Filled Heat Exchangers Employing Circular and Non-Cicrular Jet Impingement Cross Sections. , 2020, , .		0
720	Numerical study of unsteady flow and heat transfer of circular tangential direction jets flowing over the inner cylinder surface in the annular chamber. International Journal of Heat and Fluid Flow, 2020, 85, 108648.	1.1	3
721	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
722	Heat transfer at the stagnation point of the impinging laminar jet. Journal of Physics: Conference Series, 2020, 1677, 012018.	0.3	2
723	Study on the Hybrid Cooling of the Flame Tube in a Small Triple-Swirler Combustor. Energies, 2020, 13, 5554.	1.6	6
724	Numerical study on pressure drop and heat transfer characteristics of gas-liquid Taylor flow in a microchannel based on FFR method. International Communications in Heat and Mass Transfer, 2020, 117, 104802.	2.9	11
725	Turbulent swirling impinging jet arrays: A numerical study on fluid flow and heat transfer. Thermal Science and Engineering Progress, 2020, 19, 100580.	1.3	17

#	Article	IF	CITATIONS
726	Flow and heat transfer of impinging jet array associated with entrained air ducts. Applied Thermal Engineering, 2020, 178, 115541.	3.0	5
727	Analytical solution to transient inverse heat conduction problem using Green's function. Journal of Thermal Analysis and Calorimetry, 2020, 141, 2391-2404.	2.0	4
728	Impingement heat transfer to the synthetic jet issuing from a nozzle with an oscillating cross section. International Journal of Thermal Sciences, 2020, 153, 106349.	2.6	13
729	Heat transfer enhancement in rotary drum dryer by incorporating jet impingement to accelerate drying rate. Drying Technology, 2021, 39, 1314-1324.	1.7	17
730	Performance analysis of different turbulence models in impinging jet cooling. International Journal of Modern Physics C, 2020, 31, 2050051.	0.8	2
731	Experimental study on heat transfer and flow structures of feedback-free sweeping jet impinging on a flat surface. International Journal of Heat and Mass Transfer, 2020, 159, 120085.	2.5	17
732	Lagrangian and Eulerian measurements in high-speed jets using Multi-Pulse Shake-The-Box and fine scale reconstruction (VIC#). Experiments in Fluids, 2020, 61, 1.	1.1	9
733	Precise measurement of the temperature of a silicon wafer by an optical-interference contactless thermometer during rapid plasma processing. Journal of Applied Physics, 2020, 127, .	1.1	6
734	Effects of elliptical pin-fins on heat transfer characteristics of a single impinging jet on a concave surface. International Journal of Heat and Mass Transfer, 2020, 152, 119532.	2.5	25
735	Heat transfer characteristics of impinging jet on a hot surface with constant heat flux using Cu2O–water nanofluid: An experimental study. International Communications in Heat and Mass Transfer, 2020, 112, 104509.	2.9	29
736	Effect of impinging jet pulsation on primary and secondary vortex characteristics. International Journal of Heat and Mass Transfer, 2020, 151, 119445.	2.5	9
737	Numerical investigation of heat transfer from a plane surface due to turbulent annular swirling jet impingement. International Journal of Thermal Sciences, 2020, 151, 106257.	2.6	25
738	Experimental and numerical study of air-water mist jet impingement cooling on a cylinder. International Journal of Heat and Mass Transfer, 2020, 150, 119368.	2.5	22
739	Compressibility and variable inertia effects on heat transfer in turbulent impinging jets. Journal of Fluid Mechanics, 2020, 887, .	1.4	8
740	Numerical simulation of aerosol dynamics in an impinging jet with microdroplet coalescence. Aerosol Science and Technology, 2020, 54, 880-891.	1.5	4
741	Methodology for spatially resolved transient convection processes using infrared thermography. Experimental Heat Transfer, 2021, 34, 269-292.	2.3	12
742	Comparison of Experimental and Computational Heat Transfer Characterization of Water Jet Impingement Array with Interspersed Fluid Extraction. Heat Transfer Engineering, 2021, 42, 549-564.	1.2	4
743	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

#	Article	IF	Citations
744	Heat transfer characteristics and boiling heat transfer performance of novel Ag/ZnO hybrid nanofluid using free surface jet impingement. Experimental Heat Transfer, 2021, 34, 531-546.	2.3	17
745	LES investigation of a Passively Excited Impinging Jet. International Journal of Heat and Mass Transfer, 2021, 165, 120705.	2.5	3
746	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
747	NUMERICAL ANALYSIS OF TRANSPORT PHENOMENA UNDER TURBULENT ANNULAR IMPINGING JET. Computational Thermal Sciences, 2021, 13, 1-19.	0.5	15
748	Local Heat/Mass Transfer of Array Jet Impingement Cooling With Pin-Fin Heat Sinks. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2021, 11, 1768-1775.	1.4	2
749	Investigation of impingement cooling on a heat sink using CFD simulation. Materials Today: Proceedings, 2021, 46, 8753-8760.	0.9	16
750	A RANS Approach to Supercritical CO2Single-Jet Impingement at Ultra-High Reynolds Numbers. , 2021, , .		2
751	DNS Study of the Turbulent Inflow Effects on the Fluid Dynamics and Heat Transfer of a Compressible Impinging Jet Flow. , 2021, , 423-434.		0
752	Influences of Small Jet-to-Wall Spacings on Heat Transfer Characteristics and Flow-Field Entrainment Effects of Microscale Jets. Journal of Electronic Packaging, Transactions of the ASME, 2021, 143, .	1.2	0
753	Computational analysis of heat transfer due to turbulent annular jet impingement. IOP Conference Series: Materials Science and Engineering, 2021, 1080, 012031.	0.3	3
754	Effect of jet inflow angle on heat transportation in an impinging jet interfering with a Couette flow. International Journal of Heat and Mass Transfer, 2021, 167, 120831.	2.5	3
755	Steady-State Fluid-Solid Mixing Plane to Replace Transient Conjugate Heat Transfer Computations during Design Phase. International Journal of Turbomachinery, Propulsion and Power, 2021, 6, 6.	0.5	0
756	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
757	Heat transfer intensification of jet impingement using exciting jets - A comprehensive review. Renewable and Sustainable Energy Reviews, 2021, 139, 110684.	8.2	43
758	Review of Critical Heat Flux (CHF) in Jet Impingement Boiling. International Journal of Heat and Mass Transfer, 2021, 169, 120893.	2.5	20
759	PIV investigation of high Reynolds number submerged water jets at high-pressure ambient conditions. Experiments in Fluids, 2021, 62, 1.	1.1	9
760	A Modern Review on Jet Impingement Heat Transfer Methods. Journal of Heat Transfer, 2021, 143, .	1.2	64
761	Application of shear-thinning and shear-thickening fluids to computational fluid mechanics of high-Reynolds impinging turbulent jets for cooling engineering. International Journal of Thermal Sciences, 2021, 162, 106753.	2.6	5

#	Article	IF	CITATIONS
762	Experimental Investigation of Innovative Cooling Schemes on an Additively Manufactured Engine Scale Turbine Nozzle Guide Vane. Journal of Turbomachinery, 2021, 143, .	0.9	12
763	Development of an Experimental Methodology to Characterize Liquid Cooling Systems for Electric Motors. , 2021, , .		0
764	On numerical investigation of heat transfer augmentation of flat target surface under impingement of steady air jet for varying heat flux boundary condition. Journal of Thermal Analysis and Calorimetry, 2022, 147, 4325-4337.	2.0	4
765	Cavitation suppression in the nozzle-flapper valves of the aircraft hydraulic system using triangular nozzle exits. Aerospace Science and Technology, 2021, 112, 106598.	2.5	14
766	High-Fidelity Simulations of Multi-Jet Impingement Cooling Flows. Journal of Turbomachinery, 2021, 143, .	0.9	4
767	Computational analysis of convective heat transfer properties of turbulent slot jet impingement. Engineering Computations, 2021, ahead-of-print, .	0.7	3
768	Flow topology and heat transfer analysis of slotted and axisymmetric synthetic impinging jets. International Journal of Thermal Sciences, 2021, 164, 106847.	2.6	7
769	Heat Transfer Measurements for Array Jet Impingement With Castellated Wall. , 2021, , .		1
770	Breath Figure Spot: a Recovery Concentration Manifestation. International Journal of Heat and Mass Transfer, 2021, 172, 121166.	2.5	1
771	Experimental determination of forced convection heat transfer over a plate with nozzle plate. Materials Today: Proceedings, 2021, 47, 5733-5733.	0.9	0
772	Effects of Fluidic Oscillator Nozzle Angle on the Flowfield and Impingement Heat Transfer. AIAA Journal, 2021, 59, 2113-2125.	1.5	19
773	Flow and heat transfer characteristics of a swirling impinging jet issuing from a threaded nozzle. Case Studies in Thermal Engineering, 2021, 25, 100970.	2.8	15
774	Enhanced fin-effectiveness of micro-scale concentric-shape roughened target surface subjected to array jet impingement. International Journal of Heat and Mass Transfer, 2021, 173, 121148.	2.5	7
775	Heat transfer and associated coherent structures of a single impinging jet from a round nozzle. International Journal of Heat and Mass Transfer, 2021, 173, 121197.	2.5	7
776	Experimental study on flow characteristics and heat transfer of an oscillating jet in a cross flow. International Journal of Heat and Mass Transfer, 2021, 173, 121208.	2.5	15
777	Transient heat transfer of impinging jets on superheated wetting and non-wetting surfaces. International Journal of Heat and Mass Transfer, 2021, 175, 121056.	2.5	11
778	The Effect of Baffle Configuration on Heat Transfer and Pressure Drop Characteristics of Jet Impingement System with Cross-Flow. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 2021, 86, 15-27.	0.3	2
779	Multi-objective optimization of a chip-attached micro pin fin liquid cooling system. Applied Thermal Engineering, 2021, 195, 117187.	3.0	31

#	Article	IF	CITATIONS
780	Finite Element Simulation of the Cooling Process of H-shaped Steel after Circular Nozzle Impinging. Journal of Physics: Conference Series, 2021, 1986, 012021.	0.3	0
781	Heat Transfer Measurements for Array Jet Impingement With Castellated Wall. Journal of Turbomachinery, 2022, 144, .	0.9	5
782	Experimental and numerical investigation of the thermal performance of impinging synthetic jets with different waveforms. Experimental Heat Transfer, 2023, 36, 121-142.	2.3	7
783	Jet Impingement Cooling in Power Electronics for Electrified Automotive Transportation: Current Status and Future Trends. IEEE Transactions on Power Electronics, 2021, 36, 10420-10435.	5.4	48
784	Detailed Velocity and Heat Transfer Measurements in an Advanced Gas Turbine Vane Insert Using Magnetic Resonance Velocimetry and Infrared Thermometry. Journal of Turbomachinery, 2022, 144, .	0.9	3
785	Heat transfer characterisation of impinging flame jet over a wedge. Applied Thermal Engineering, 2021, 196, 117277.	3.0	1
786	Flow and heat transfer characteristics of turbulent swirling impinging jets. Applied Thermal Engineering, 2021, 196, 117357.	3.0	9
787	Experimental investigation on the local heat transfer with an unconfined slot jet impinging on a metal foamed flat plate. International Journal of Thermal Sciences, 2021, 169, 107065.	2.6	15
788	Heat transfer and flow structure of a hot annular impinging jet. International Journal of Thermal Sciences, 2021, 170, 107091.	2.6	7
789	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
790	Sensitization of the modified SST model to the swirling and curvature for turbulent impinging jet heat transfer. International Journal of Heat and Mass Transfer, 2022, 182, 121980.	2.5	4
791	Investigating the conjugate heat transfer phenomena on various ducts for aircraft environmental control system. Materials Today: Proceedings, 2021, 46, 3631-3638.	0.9	1
792	Numerical Study of Slot Jet Impingement on a Cylinder by Using Two-Equation Turbulence Models. Lecture Notes in Intelligent Transportation and Infrastructure, 2021, , 257-263.	0.3	0
794	Direct Numerical Simulation of Heat Transfer of a Round Subsonic Impinging Jet. Notes on Numerical Fluid Mechanics and Multidisciplinary Design, 2015, , 147-159.	0.2	6
795	Heat transfer performance of water-based electrospray cooling. International Communications in Heat and Mass Transfer, 2020, 118, 104861.	2.9	22
796	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
797	Investigation of the concave curvature effect for an impinging jet flow. Physical Review Fluids, 2017, 2, .	1.0	7
798	Orthogonal liquid-jet impingement on wettability-patterned impermeable substrates. Physical Review Fluids, 2019, 4, .	1.0	9

#	Article	IF	CITATIONS
799	Convective Heat Transfer From a Stationary or Rotating MCM Disk With a Unconfined Round Jet Impingement. , 2005, , .		2
800	Heat Transfer Characteristics for a Confined Rotating MCM Disk With Round Jet Array Impingement. , 2007, , .		1
801	CFD Investigation of Influence of Spanwise Pitch on Local Heat Transfer Distribution for In-Line Array of Impinging Jets for Medium Crossflow. International Journal of Innovative Research in Science, Engineering and Technology, 2015, 04, 1284-1291.	0.4	1
802	HEAT TRANSFER AND TEMPERATURE DISTRIBUTIONS IN THE FLUID AND COOLED CYLINDRICAL SOLID DURING RADIAL SLOT JET IMPINGEMENT COOLING. , 2006, , .		1
803	SYNTHETIC JET IMPINGEMENT HEAT/MASS TRANSFER. Journal of Flow Visualization and Image Processing, 2006, 13, 67-76.	0.3	1
804	Heat Transfer Analysis of Flat Plate Subjected to Multi-Jet Air Impingement using Principal Component Analysis and Computational Technique. Journal of Applied Fluid Mechanics, 2017, 10, 293-306.	0.4	11
806	Sweeping jet impingement heat transfer on a simulated turbine vane leading edge. Journal of the Global Power and Propulsion Society, 2018, 2, 5A7OAZ.	0.8	8
807	Characterization of Laminar Separation Bubbles Using Infrared Thermography. AIAA Journal, 2020, 58, 2831-2843.	1.5	17
808	Effect of Pulsating Circular Hot Air Jet Frequencies on Local and Average Nusselt Number. American Journal of Engineering and Applied Sciences, 2008, 1, 57-61.	0.3	5
809	Effect of Pulse Frequency and Pulse Shape of Single Pulsed Air Jet Impingement on Heat Transfer. International Journal of Digital Content Technology and Its Applications, 2013, 7, 313-322.	0.1	1
810	Effect of Nozzle Spacing on Heat Transfer and Fluid Flow Characteristics of an Impinging Circular Jet in Cooling of Electronic Components. CIM Journal, 2011, 4, 7-12.	0.3	13
811	Improving heat and mass transfer rates through continuous drop-wise condensation. Scientific Reports, 2021, 11, 19636.	1.6	3
812	A Critical Review on Flow and Heat Transfer Characteristics of Synthetic Jet. , 2022, 7, 61-92.		14
813	Jet Impingement Cooling of a Rotating Hot Circular Cylinder with Hybrid Nanofluid under Multiple Magnetic Field Effects. Mathematics, 2021, 9, 2697.	1.1	9
814	Opportunities in Jet-Impingement Cooling for Gas-Turbine Engines. Energies, 2021, 14, 6587.	1.6	13
815	Heat Transfer Augmentation through Different Jet Impingement Techniques: A State-of-the-Art Review. Energies, 2021, 14, 6458.	1.6	16
816	Heat Transfer Characteristics of a Pulsating Impinging Jet. Transactions of the Korean Society of Mechanical Engineers, B, 2002, 26, 903-910.	0.0	0
819	Flow and Heat Transfer Characteristics of a Multi-Tube Inserted Impinging Jet. Transactions of the Korean Society of Mechanical Engineers, B, 2004, 28, 135-145.	0.0	1

# 820	ARTICLE EFFECT OF VORTICES ON JET IMPINGEMENT HEAT TRANSFER. , 2006, , .	IF	CITATIONS
822	Exploration of a horizontal confined impinging heated jet using both experimental and numerical methods. International Journal of Multiphysics, 2007, 1, 433-455.	0.3	1
823	Wide-Beam X-Ray Source Target Thermal Management Simulation Using Inner Jet Cooling. Scholarly Research Exchange, 2009, 2009, 1-6.	0.2	1
824	Effect of nozzle shape on local heat transfer distribution in impinging jets. , 2010, , .		2
825	Convective Heat Transfer in Impinging- Gas- Jet Arrangements. Journal of Applied Fluid Mechanics, 2011, 4, .	0.4	8
826	Effect of Anisotropy on Particle Deposition in Impinging Jet Flow. International Journal of Mechanical Engineering and Mechatronics, 0, , .	0.0	0
828	Study for Effect of Changes in Thermal Properties on Cooling Process in Running Hot Steel Strip After Hot Rolling. Transactions of the Korean Society of Mechanical Engineers, B, 2013, 37, 459-465.	0.0	0
829	Active Control of Impinging Jets Using Bifurcating Excitations. Journal of the Korean Society of Manufacturing Technology Engineers, 2013, 22, 525-530.	0.1	0
830	Characterization of Heat Transfer during Quenching. , 2013, , 158-175.		3
831	Large Eddy Simulation of a Normally Impinging Round Air Jet with Heat Transfer at a Reynolds Number of 4400. , 0, , .		1
832	IR Experimental investigation on twin synthetic impinging jets heat transfer behaviour. , 2014, , .		0
833	Infrared thermography study of a confined impinging circular jet. , 1996, , .		1
834	A Visualization Study of Jet Impingement on Cylindrical Surfaces. Heat and Mass Transfer, 1999, , 307-317.	0.2	1
835	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
837	Steady interaction of a turbulent plane jet with a rectangular heated cavity. Thermal Science, 2016, 20, 1485-1498.	0.5	1
838	ÜÇ FAZLI ASENKRON MOTORLARDAKİ KIRIK ROTOR ÇUBUĞU ARIZALARININ TESPİTİ İÇİN GÜÇ T ALGORİTMANIN GELİŞTİRİLMESİ. Journal of the Faculty of Engineering and Architecture of Gazi Universi 2016, 31, .	ABANLI B typ.3	İR 2
839	Numerical Analysis on the Effects of Supply Channel and Jet Hole Arrangement on Heat Flow Characteristics of Impingement Jet. Journal of the Korean Society of Propulsion Engineers, 2016, 20, 77-86.	0.1	1
840	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

#	Article	IF	CITATIONS
841	Oblique Angle Effect of Impinging Jet on Heat Flow Characteristics of a Corrugated Structure. Journal of the Korean Society of Propulsion Engineers, 2017, 21, 83-93.	0.1	0
842	Impinging Jet Ignition. Springer Theses, 2018, , 159-180.	0.0	1
843	Shielding Gas Coaxial Jet Pipes Numerical Study of a Vertical Laser Welding Process of AZ91 Magnesium Alloy. Journal of Applied Fluid Mechanics, 2018, 11, 79-94.	0.4	0
845	Narrow impingement channels: recent advancements and future directions. , 2019, , .		0
846	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
847	Inverse Estimation of Heat Transfer Coefficient and Reference Temperature in Jet Impingement. Journal of Heat Transfer, 2020, 142, .	1.2	3
848	Heat transfer characteristics of flat and concave surfaces by circular and elliptical jet impingement. Experimental Heat Transfer, 2022, 35, 938-963.	2.3	13
849	Application of Optical Flow Analysis to Shadowgraph Images of Impinging Jet. Journal of Flow Control Measurement & Visualization, 2020, 08, 173-187.	0.1	2
850	Heat Transfer Characteristics of Microjet Impingements with Flow Extraction. SSRN Electronic Journal, 0, , .	0.4	0
851	Flow and heat transfer characteristics of blooming jets impinging upon wall using DNS. Journal of Fluid Science and Technology, 2020, 15, JFST0010-JFST0010.	0.2	0
852	Heat Transfer Enhancement from a Heated Plate with Hemispherical Convex Dimples by Forced Convection Along with a Cross Flow Jet Impingement. International Journal of Applied Mechanics and Engineering, 2020, 25, 127-141.	0.3	3
853	Enhanced impingement cooling using nozzles with modified exit geometries for active heat sinks. , 0, , .		0
854	Additive Manufactured Impinging Coolant, Low Electromagnetic Interference, and Nonmetallic Heat Spreader: Design and Optimization. Journal of Electronic Packaging, Transactions of the ASME, 2020, 142, .	1.2	10
855	Understanding pulsed jet impingement cooling by instantaneous heat flux matching at solid-liquid interfaces. Physical Review Fluids, 2020, 5, .	1.0	3
856	Numerical study of a round jet impinging on an axisymmetric grooved surface: effect of the groove size. Thermophysics and Aeromechanics, 2020, 27, 671-690.	0.1	0
857	Model Calibration of Oil Jet and Oil Spray Cooling in Electrical Machines with Hairpin Windings. , 2021, , .		6
858	Improving the mixing of a turbulent jet diffusion flame of methane via linear quadratic regulator control. Physics of Fluids, 2021, 33, .	1.6	2
859	A Numerical Study of Heat Transfer From an Array of Jets Impinging on a Flat Moving Surface. Journal of Heat Transfer, 2022, 144, .	1.2	3

#	Article	IF	CITATIONS
860	Numerical Simulation of Singleâ€Jet Impingement Cooling of a Seamless Steel Tube. Steel Research International, 2022, 93, .	1.0	1
861	Separation of conduction and convection heat transfer effects for a metal foamed flat plate impinged by a circular jet. International Journal of Heat and Mass Transfer, 2022, 185, 122387.	2.5	7
862	High-Fidelity Simulations of Multi-Jet Impingement Cooling Flows. , 2020, , .		0
863	Experimental Investigation of Innovative Cooling Schemes on an Additively Manufactured Engine Scale Turbine Nozzle Guide Vane. , 2020, , .		1
864	Combined effects of local curvature and elasticity of an isothermal wall for jet impingement cooling under magnetic field effects. Journal of Central South University, 2021, 28, 3534-3544.	1.2	4
865	Comparative study and hybrid modeling approach with POD for convective drying performance of porous moist object with multi-impinging jet and channel flow configurations. International Communications in Heat and Mass Transfer, 2022, 132, 105897.	2.9	10
866	Advanced Thermal Manikin for Thermal Comfort Assessment in Vehicles and Buildings. Applied Sciences (Switzerland), 2022, 12, 1826.	1.3	6
867	Influence of the Pulse Shape on Heat Transfer at the Stagnation Point of an Unsteady Axisymmetric Impinging Jet. High Temperature, 2021, 59, 253-258.	0.1	1
868	Inverse boundary problem in estimating heat transfer coefficient of a round pulsating bubbly jet: design of experiment. , 2022, 30, 210-234.		1
869	Multiple Impinging Jet Cooling of a Wavy Surface by Using Double Porous Fins under Non-Uniform Magnetic Field. Mathematics, 2022, 10, 638.	1.1	5
870	Numerical Prediction of Convective Heat Flux on the Flight Deck of Naval Vessel Subjected to a High-Speed Jet Flame from VTOL Aircraft. Journal of Marine Science and Engineering, 2022, 10, 260.	1.2	1
871	Flow characterization in the uphill region of pulsed oblique round jet. Physics of Fluids, 2022, 34, .	1.6	6
872	Study of flow and heat transfer characteristics of a liquid jet impinging on a heat sink with discontinuous staggered ring ribs. International Journal of Heat and Mass Transfer, 2022, 190, 122757.	2.5	4
873	Experimental and numerical modeling of an air jet impingement system. European Journal of Mechanics, B/Fluids, 2022, 94, 228-245.	1.2	7
874	Enhancement of convective drying of a moist porous material with impinging slot jet by implementation of micro-encapsulated phase change material: A numerical feasibility study. International Journal of Heat and Mass Transfer, 2022, 191, 122828.	2.5	7
875	Anti-icing hot air jet heat transfer augmentation employing inner channels. Advances in Mechanical Engineering, 2021, 13, 168781402110662.	0.8	5
876	Nozul Mesafesinin  A‡arpan Jet Isı Transferi ve Akışkan Akışı Üzerindeki Etkileri. Osmaniye Korkut Ata Üniversitesi Fen Bilimleri EnstitA¼sA¼ Dergisi, 0, , .	0.2	0
877	Conjugate heat transfer investigation of impingement cooling for ribbed internal passage of a turbine vane. International Journal of Thermal Sciences, 2022, 178, 107589.	2.6	6

#	Article	IF	CITATIONS
878	Performance Assessment of Jet Impingement Cooling with Cross Flow. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2022, , 1-1.	1.4	1
879	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
880	Recent trends in additive manufacturing of electronics devices. Materials Today: Proceedings, 2022, 66, 928-941.	0.9	5
881	Non-stationary flow and heat transfer in a synthetic confined jet impingement. International Journal of Thermal Sciences, 2022, 179, 107607.	2.6	5
882	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
883	Large eddy simulation of a thermal impinging jet using the lattice Boltzmann method. Physics of Fluids, 2022, 34, .	1.6	7
884	Transient Cooling Performance of R134a Flash-Evaporation Spray Enhanced by Cold Air Jet: A Novel Heat Transfer Enhancement Method in Laser Dermatology. SSRN Electronic Journal, 0, , .	0.4	0
885	Heat Transfer Due to Annular Jets Impinging on a Moving Surface. Journal of Heat Transfer, 2022, 144, .	1.2	3
886	Numerical investigation on flow and heat transfer characteristics of single row jet impingement cooling with varying jet diameter. International Journal of Thermal Sciences, 2022, 179, 107710.	2.6	7
887	Heat Transfer Characteristics of Steady Jet and Synthetic Jet of Same Reynolds Numbers. SSRN Electronic Journal, 0, , .	0.4	0
888	The Sstcdgr Model for the Analysis of Turbulent Round Jet Impingement Heat Transfer. SSRN Electronic Journal, 0, , .	0.4	0
889	Experimental and LES study of unconfined jet impingement on a smooth flat heated plate with slots of different widths. Experimental Heat Transfer, 2024, 37, 15-54.	2.3	5
890	Hybrid nano-jet impingement cooling of a curved elastic hot surface under the combined effects of non-uniform magnetic field and upper plate inclination. Journal of Magnetism and Magnetic Materials, 2022, 561, 169684.	1.0	15
891	Application and CFD-Based Optimization of a Novel Porous Object for Confined Slot Jet Impingement Cooling Systems under a Magnetic Field. Mathematics, 2022, 10, 2578.	1.1	2
892	An evaluation of thermomagnetic motors for heat energy harvesting. , 2022, , .		3
893	Investigation of flow and heat transfer characteristics of impinging slot jets confined with inclined plates. Heat and Mass Transfer, 0, , .	1.2	0
894	Effects of the swirl number, Reynolds number and nozzle-to-plate distance on impingement heat transfer from swirling jets. International Journal of Heat and Mass Transfer, 2022, 197, 123284.	2.5	8
895	A combined technique using phase change material and jet impingement heat transfer for the exhaust heat recovery applications – A numerical approach. Journal of Energy Storage, 2022, 55, 105580.	3.9	6

#	Article	IF	CITATIONS
896	Enhancing Jet Array Heat Transfer: Review of Geometric Features of Nozzle and Target Plates. International Journal of Thermofluids, 2022, 16, 100203.	4.0	6
897	Heat transfer and flow structure characteristics of film-cooled leading edge model with sweeping and normal jets. International Communications in Heat and Mass Transfer, 2022, 138, 106338.	2.9	5
898	Convection from multiple air jet impingement - A review. Applied Thermal Engineering, 2023, 218, 119307.	3.0	12
899	Influence of ratio of nozzle length to diameter on local heat transfer study of an unconfined circular air jet impingement. International Journal of Thermal Sciences, 2023, 183, 107859.	2.6	8
900	Influence of turbulator under the detached rib on heat transfer study of air jet impinging on a flat surface. International Journal of Thermal Sciences, 2023, 184, 107946.	2.6	9
901	Uniform Impingement Heat Transfer Distribution in Corrugated Channel with an Anti-Crossflow-Wing. SSRN Electronic Journal, 0, , .	0.4	0
902	Düz bir yüzeye çarpan pulsatif jetin ısı transferi karakteristiğinin deneysel incelenmesi. Journal of the Faculty of Engineering and Architecture of Gazi University, 0, , .	0.3	0
903	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
904	Experimental and numerical investigation of the effects of the jet diameter and arrangement of effusion holes on the concave surface of an impingement/effusion cooling system. Journal of Visualization, 2023, 26, 61-81.	1.1	5
905	Design Optimization of a Rotary Thermomagnetic Motor for More Efficient Heat Energy Harvesting. Energies, 2022, 15, 6334.	1.6	2
906	The use of hot film sensors for the heat flux measurement of impinging jet flows: A comparison of postprocessing methods. Heat and Mass Transfer, 0, , .	1.2	0
907	Recent Progress in Flow Control and Heat Transfer Enhancement of Impinging Sweeping Jets Using Double Feedback Fluidic Oscillators: A Review. Journal of Heat Transfer, 2022, 144, .	1.2	3
908	Stagnation Point Heat Transfer to an Axisymmetric Impinging Jet At Transition to Turbulence. Journal of Heat Transfer, 2022, , .	1.2	2
909	Research on heat transfer augment of the helical half-pipe jacket by jet longitudinal vortex generator. Chemical Engineering and Processing: Process Intensification, 2022, 181, 109158.	1.8	0
910	Transient cooling performance of R134a flash-evaporation spray enhanced by cold air jet: A novel heat transfer enhancement method in laser dermatology. International Journal of Heat and Mass Transfer, 2022, 199, 123468.	2.5	8
911	Magneto laminar mixed convection and entropy generation analyses of an impinging slot jet of Al2O3-water and Novec-649. Thermal Science and Engineering Progress, 2022, 36, 101524.	1.3	7
912	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
913	Large eddy simulation of temperature-variation effect of impinging planar lobed synthetic jet on flat plate and the semi-cylindrical concave plate. International Journal of Thermal Sciences, 2023, 184, 107981.	2.6	2

ARTICLE IF CITATIONS # Uniform impingement heat transfer distribution in corrugated channel with an anti-crossflow-wing. 914 2.5 5 International Journal of Heat and Mass Transfer, 2023, 201, 123576. Development of ventilation systems in a Semi-Confined Room by using straight lobed grilles., 2022, , . Flow and heat transfer studies of multijet impingement cooling for different configurations: A 916 1.7 1 review. Heat Transfer, 0, , . Heat transfer at the stagnation point of a free-falling impinging liquid jet. Thermophysics and Aeromechanics, 2022, 29, 513-518. The Wall-Jet Region of a Turbulent Jet Impinging on Smooth and Rough Plates. Flow, Turbulence and 918 1.4 3 Combustion, 2023, 110, 275-299. Development of an Impingement Jet Cooling System Usable for Small Traction Electric Motor., 2022, , . Flow mechanism and heat transfer characteristic of sweeping jet impinging on confined concave 920 1.6 3 surface. Physics of Fluids, 0, , . Hybrid Nano-Jet Impingement Cooling of Double Rotating Cylinders Immersed in Porous Medium. 1.1 Mathematics, 2023, 11, 51. 922 Prediction of Self-Sustained Oscillations of an Isothermal Impinging Slot Jet. Fluids, 2023, 8, 15. 0.8 3 Temperature uniformity characteristics of array jet impingement cooling with the maximum 2.6 cross-flow scheme. International Journal of Thermal Sciences, 2023, 187, 108161. Substrate Characteristics of Multiple Arrays of Turbulent Swirling Impinging Jets. Journal of Flow 924 0.3 0 Visualization and Image Processing, 2023, , . Review of jet impingement cooling of electronic devices: Emerging role of surface engineering. 2.5 International Journal of Heat and Mass Transfer, 2023, 206, 123888. Heat transfer and skin friction: Beyond the Reynolds analogy. International Journal of Heat and Mass 926 2.5 3 Transfer, 2023, 206, 123960. Conjugate Heat Transfer Analysis for Cooling of a Conductive Panel by Combined Utilization of 927 1.9 Nanoimpinging Jets and Double Rotating Cylinders. Nanomaterials, 2023, 13, 500. Optimization of jet impingement heat transfer: A review on advanced techniques and parameters. 928 1.3 9 Thermal Science and Engineering Progress, 2023, 39, 101697. Mixing in Low Reynolds Number Reacting Impinging Jets in Crossflow. Journal of Fluids Engineering, Transactions of the ASME, 2023, 145, . Heat transfer characteristics of the flat plate integrated with metal foam of varying thickness using 930 1.34 an unconfined circular air-jet impingement. Thermal Science and Engineering Progress, 2023, 41, 101810. Influence of nozzle geometry on wall static pressure coefficient of the submerged turbulent jet 1.4 impinging on a smooth flat surface. International Journal of Ambient Energy, 0, , 1-10.

#	Article	IF	Citations
932	Convective Heat Transfer and Entropy Generation for Nano-Jet Impingement Cooling of a Moving Hot Surface under the Effects of Multiple Rotating Cylinders and Magnetic Field. Mathematics, 2023, 11, 1891.	1.1	1
941	ANALYSIS OF IMPINGEMENT JET HEATING AND COOLING OF THERMOMAGNETIC MATERIAL. , 2023, , .		0
943	Development and analysis of design solutions for universal guiding devices for the launch system of integrated launch vehicle of the Soyuz-2 family. AIP Conference Proceedings, 2023, , .	0.3	0
955	Double slot jet impingement cooling of a round block. AIP Conference Proceedings, 2023, , .	0.3	0
965	Development and Use of a New Architecture of Thermal Manikin for Assessing Local Thermal Comfort. , 2023, , .		0
966	Direct Numerical Simulation on Convective Heat Transfer Characteristics of Cross Flow over Inline Tube Bundles. , 2023, , .		0
971	Computational studies of supersonic combustion flame instabilities; a large-eddy simulation approach. , 2024, , .		0
972	Swirl number effect on the unsteady characteristics of turbulent combustion in axial-swirl combustor. , 2024, , .		0
973	Swirl number effect on the flame dynamics and combustion instabilities; computational studies using LES. , 2024, , .		0
974	Flow and heat transfer characteristics of impinging jets controlled with rotating inclined jet using direct numerical simulation. , 2023, , .		0
975	Turbulent jet impingement: surface roughness effects on wall-heat transfer. , 2023, , .		0
976	Synthetic jet actuators with rigid and temporally variable nozzles. , 2023, , .		0
978	Turbulent jet impingement: surface roughness effects on wall-heat transfer. , 2023, , .		0
979	Flow and heat transfer characteristics of impinging jets controlled with rotating inclined jet using direct numerical simulation. , 2023, , .		0
980	Synthetic jet actuators with rigid and temporally variable nozzles. , 2023, , .		0