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2268	Heat transfer in film-cooled turbulent boundary layers at different blowing ratios as affected by longitudinal vortices. <i>Experimental Thermal and Fluid Science</i> , <b>1988</b> , 1, 347-362	3	5
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2264	Heat transfer characteristics of a return-flow steam-cooled gas turbine blade. <i>Experimental Thermal and Fluid Science</i> , <b>1989</b> , 2, 323-332	3	4
2263	Velocity and temperature measurements in a natural convection boundary layer along a vertical flat plate. <i>Experimental Thermal and Fluid Science</i> , <b>1989</b> , 2, 208-215	3	48
2262	Two-phase flow at the flooding point in an annulus. <i>Experimental Thermal and Fluid Science</i> , <b>1989</b> , 2, 7-16		6
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2216	Measurements of entrainment characteristics of swirling jets. <b>1993</b> , 36, 4009-4018		40
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2204	Journal of Heat Transfer Policy on Reporting Uncertainties in Experimental Measurements and Results. <b>1993</b> , 115, 5-6		250
2203	Convective Heat Transfer Enhancement Due to Intermittency in an Impinging Jet. <b>1993</b> , 115, 91-98		112
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2201	APPLICATION OF SPECTRAL ANALYSIS TECHNIQUES TO CAVITATION IN CENTRIFUGAL PUMPS. <b>1993</b> , 443-450		

2200	MEASUREMENT OF THE TEMPERATURE AND CURE DEPENDENCE OF THE THERMAL CONDUCTIVITY OF EPOXY RESIN. <b>1993</b> , 6, 157-174	7	
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2197	A Comparison of Rate Laws for CO Oxidation Over Pt on Alumina. <b>1993</b> ,	2	
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2104	Liquid crystal images of the transition from jet impingement convection to nucleate boiling part I: Monotonic distribution of the convection coefficient. <i>Experimental Thermal and Fluid Science</i> , <b>1996</b> , 12, 274-287	3	16
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2094	Experimental study of convective heat transfer response to relative humidity in source arrays. <b>1996</b> , 23, 1163-1172		7
2093	Curved two-stream turbulent mixing layers revisited. <i>Experimental Thermal and Fluid Science</i> , <b>1996</b> , 13, 190-205	3	9

2092	A combined experimental and computational study of pressure-driven three-dimensional separation in a turbulent boundary layer. <i>Experimental Thermal and Fluid Science</i> , <b>1996</b> , 13, 252-265	3	
2091	Measurements in three-dimensional wake of a surface-mounted winglike symmetrical ellipsoid. <i>Experimental Thermal and Fluid Science</i> , <b>1996</b> , 13, 266-291	3	3
2090	Effect of Initial Moisture Distribution on the Transient Heat Flow through Wet Porous Insulations. <b>1996</b> , 19, 348-366		3
2089	Heat Transfer Enhancement by Longitudinal Vortices in a Fin-Tube Heat Exchanger Element With Flat Tubes. <b>1996</b> , 118, 209-211		35
2088	Optimization analysis of a disk-shaped heat pipe. <b>1996</b> , 10, 179-182		12
2087	Radiative Efficiency of a Quartz Radiant Heating Tube. <b>1996</b> , 112, 369-373		
2086	Experimental determination of overall thermal resistances of satellite bolted joints. <b>1996</b> , 10, 177-179		6
2085	Optimal Spacing Between Pin Fins With Impinging Flow. <b>1996</b> , 118, 570-577		65
2084	Friction Factor In Sine-Pipe Flow. <b>1996</b> , 118, 341-345		7
2083	Heat Transfer of Air/Water Two-Phase Flow in Helicoidal Pipes. <b>1996</b> , 118, 442-448		5
2082	Design of Experiments Using Uncertainty Information. <b>1996</b> , 118, 532-538		15
2081	On The Drying of Food Products in a Tunnel Dryer. <b>1997</b> , 15, 857-880		7
2080	Experimental CHF and MHF Correlations in Transient Boiling Systems with Vertical Rectangular Parallel Plates. <b>1997</b> , 18, 73-85		4
2079	The Effects of Prandtl Numbers on Local and Average Convective Heat Transfer Characteristics in Helical Pipes. <b>1997</b> , 119, 467-473		161
2078	Experimental Study of the Effect of Transverse Oscillation on Convection Heat Transfer From a Circular Cylinder. <b>1997</b> , 119, 474-482		50
2077	A Study on Converging Thin Annular Jets. <b>1997</b> , 119, 923-928		3
2076	Free Convection Heat Transfer From Wire-and-Tube Heat Exchangers. <b>1997</b> , 119, 370-372		7
2075	Optimal Geometric Arrangement of Staggered Vertical Plates in Natural Convection. <b>1997</b> , 119, 700-708		34

2074	Investigations of Pool Boiling Heat Transfer of Binary Refrigerant Mixtures. <b>1997</b> , 18, 61-72		8
2073	Effects of Bulk Flow Pulsations on Film-Cooled Boundary Layer Structure. <b>1997</b> , 119, 56-66		9
2072	Nearfield Evolution of a Longitudinal Vortex Generated by an Inclined Jet in a Turbulent Boundary Layer. <b>1997</b> , 119, 934-939		17
2071	Major species and temperature profiles of LOX/GH2 combustion. <b>1997</b> ,		6
2070	Bulk Flow Pulsations and Film Cooling: Flow Structure Just Downstream of the Holes. <b>1997</b> , 119, 568-573		11
2069	EXPERIMENTAL RESULTS FOR LOW-TEMPERATURE SILICON MICROMACHINED MICRO HEAT PIPE ARRAYS USING WATER AND METHANOL AS WORKING FLUIDS. <b>1997</b> , 10, 253-272		30
2068	Performance of Plate Finned Tube Heat Exchangers Under Dehumidifying Conditions. <b>1997</b> , 119, 109-117		117
2067	Buoyancy Induced Convection in a Narrow Open-Ended Annulus. <b>1997</b> , 119, 483-494		12
2066	Uncertainty analysis for wheelchair propulsion dynamics. <b>1997</b> , 5, 130-9		19
2065	Theoretical and experimental studies of laminar mixed convection in water pipe flow with density inversion effect. <b>1997</b> , 40, 2019-2033		11
2064	The effects of chaotic advection on heat transfer. <b>1997</b> , 40, 3089-3104		99
2063	Flow visualization of longitudinal vortices induced by an inclined impinging jet in a crossflow—effective cooling of high temperature gas turbine blades. <b>1997</b> , 38, 1145-1153		9
2062	Heat transfer and friction characteristics of typical wavy fin-and-tube heat exchangers. <i>Experimental Thermal and Fluid Science</i> , <b>1997</b> , 14, 174-186	3	156
2061	Impinging radial and inline jets: A comparison with regard to heat transfer, wall pressure distribution, and pressure loss. <i>Experimental Thermal and Fluid Science</i> , <b>1997</b> , 14, 194-204	3	15
2060	An experimental study of condensation heat transfer in a horizontally rotating cylinder with a scraper. <i>Experimental Thermal and Fluid Science</i> , <b>1997</b> , 14, 205-212	3	2
2059	Velocity and turbulence characteristics of a semiconfined orthogonally impinging slot jet. <i>Experimental Thermal and Fluid Science</i> , <b>1997</b> , 14, 60-67	3	96
2058	Void fraction distributions in a kettle reboiler. <i>Experimental Thermal and Fluid Science</i> , <b>1997</b> , 14, 297-311	3	11
2057	Nucleation site density in pool boiling of saturated pure liquids: Effect of surface microroughness and surface and liquid physical properties. <i>Experimental Thermal and Fluid Science</i> , <b>1997</b> , 15, 32-42	3	157

2056	Effects of heater-side factors on the saturated pool boiling critical heat flux. <i>Experimental Thermal and Fluid Science</i> , <b>1997</b> , 15, 43-51	3	64
2055	Visual observation of two-phase flow pattern of R-22, R-134a, and R-407C in a 6.5-mm smooth tube. <i>Experimental Thermal and Fluid Science</i> , <b>1997</b> , 15, 395-405	3	87
2054	The uncertainties in measuring vapour compression plant performances. <b>1997</b> , 21, 65-70		9
2053	Effect of rain on the heat gain through building walls in tropical climates. <b>1997</b> , 32, 465-477		10
2052	Heat transfer to two-phase slug flows under reduced-gravity conditions. <b>1997</b> , 23, 301-311		6
2051	The effects of inclination angle on flooding in a helically fluted tube with a twisted insert. <b>1997</b> , 23, 1111-1129	15	
2050	Single and multiple discharge from a stratified two-phase region through small branches. <b>1997</b> , 176, 233-245		13
2049	Identification du coefficient de transfert thermique sur la surface externe d'un échangeur de chaleur à tubes et ailettes planes en fonction de l'humidité de l'air, en l'absence de condensation. <b>1997</b> , 36, 289-301		3
2048	Geometrical effects on the subcooled flow boiling critical heat flux. <b>1997</b> , 36, 807-814		17
2047	Application of infrared thermography to the evaluation of local convective heat transfer on arrays of cubical protrusions. <b>1997</b> , 18, 152-159		25
2046	Effect of periodic unsteadiness on heat transfer in a turbulent boundary layer downstream of a cylinder-wall junction. <b>1997</b> , 18, 107-115		4
2045	Two-phase heat transfer characteristics for R-22/R-407C in a 6.5-mm smooth tube. <b>1997</b> , 18, 550-558		25
2044	Heat transfer and ice formations deposited upon cold tube bundles immersed in flowing water. Convection analysis. <b>1997</b> , 40, 557-572		11
2043	Heat transfer behaviors of a confined slot jet impingement. <b>1997</b> , 40, 1095-1107		85
2042	Nucleate pool boiling from coated surfaces in saturated R-134a and R-407c. <b>1997</b> , 40, 519-532		38
2041	Pool boiling of R-22, R-124 and R-134a on a plain tube. <b>1997</b> , 40, 1657-1666		13
2040	Natural convection heat transfer in vertical channels with and without transverse square ribs. <b>1997</b> , 40, 2173-2185		51
2039	Optimal geometric arrangement of staggered plates in forced convection. <b>1997</b> , 40, 1795-1805		32

2038	An analytical model for near-saturated pool boiling critical heat flux on vertical surfaces. <b>1997</b> , 40, 2327-2339	82
2037	Local convective heat transfer to submerged pulsating jets. <b>1997</b> , 40, 3305-3321	72
2036	Single-phase heat transfer in micro-fin tubes. <b>1997</b> , 40, 4345-4357	65
2035	Obstruction of pipelines due to paraffin deposition during the flow of crude oils. <b>1997</b> , 40, 4319-4328	64
2034	Local convective heat transfer from an array of wall-mounted cubes. <b>1998</b> , 41, 335-346	59
2033	Experimental studies of heat transfer and fluid flow across corrugated-undulated heat exchanger surfaces. <b>1998</b> , 41, 899-914	71
2032	Developing turbulent mixed convection in a horizontal circular tube with strip-type inserts. <b>1998</b> , 41, 1049-1063	9
2031	Application of the transfer configuration factors in radiation heat transfer. <b>1998</b> , 41, 2893-2907	6
2030	The thermal-hydraulic characteristics of staggered circular finned-tube heat exchangers under dry and dehumidifying conditions. <b>1998</b> , 41, 3321-3337	28
2029	Heat and mass transfer for plate fin-and-tube heat exchangers, with and without hydrophilic coating. <b>1998</b> , 41, 3109-3120	87
2028	The correction to take account of variable property effects on turbulent forced convection to water in a pipe. <b>1998</b> , 41, 665-669	13
2027	An experimental study of in-tube evaporation of R-22 inside a 6.5-mm smooth tube. <b>1998</b> , 19, 259-269	12
2026	A note on computational uncertainty. <b>1998</b> , 94, 285-291	
2025	Experimental measurement of the water-to-cover heat transfer coefficient inside shallow solar stills. <b>1998</b> , 18, 69-72	8
2024	Three-dimensional electron-kinetic theory approach for laser heating: Moving heat source consideration. <b>1998</b> , 256, 439-462	6
2023	Experimental study of flow and heat transfer in rib-roughened rectangular channels. <i>Experimental Thermal and Fluid Science</i> , <b>1998</b> , 16, 349-365	3 50
2022	Recovery of reattached turbulent shear layers. <i>Experimental Thermal and Fluid Science</i> , <b>1998</b> , 17, 57-62	3 7
2021	Evaluation of the performance of supersonic exhaust diffuser using scaled down models. <i>Experimental Thermal and Fluid Science</i> , <b>1998</b> , 17, 217-229	3 49

2020	Measurement of the effective thermal conductivity of a Mg/MgH <sub>2</sub> packed bed with oscillating heating. <i>Experimental Thermal and Fluid Science</i> , <b>1998</b> , 17, 347-355	3	35
2019	Measurement and correlation of volumetric heat transfer coefficients of cellular ceramics. <i>Experimental Thermal and Fluid Science</i> , <b>1998</b> , 17, 285-293	3	114
2018	Measurement of the pressure-composition isotherms of high-temperature and low-temperature metal hydrides. <i>Experimental Thermal and Fluid Science</i> , <b>1998</b> , 18, 70-81	3	19
2017	Experimental design for flowfield studies of louvered fins. <i>Experimental Thermal and Fluid Science</i> , <b>1998</b> , 18, 258-269	3	37
2016	Experimental and 3-D Numerical Analysis of the Thermal-Hydraulic Characteristics of Elliptic Finned-Tube Heat Exchangers. <b>1998</b> , 19, 55-67		80
2015	EXPERIMENTAL STUDY OF MARANGONI-BENARD CONVECTION IN A LIQUID LAYER INDUCED BY EVAPORATION. <b>1998</b> , 11, 187-205		44
2014	Experimental investigation of oxygen rich LOX/GH <sub>2</sub> combustion using linewise Raman imaging. <b>1998</b> ,		1
2013	Planar Doppler velocimetry - Three-component velocimetry in supersonic jets. <b>1998</b> ,		15
2012	Optimal experiment design. <b>1998</b> , 9, 864-876		110
2011	Gas-assisted laser repetitive pulsed heating of a steel surface. <b>1998</b> , 212, 741-757		13
2010	An infrared thermography imaging system for convective heat transfer measurements in complex flows. <b>1998</b> , 9, 1974-1981		48
2009	Development of a point plume in the presence of background rotation. <b>1998</b> , 10, 2369-2383		27
2008	A study of non-redirection louvre fin-and-tube heat exchangers. <b>1998</b> , 212, 1-14		13
2007	Toward Establishing Credibility in Computational Fluid Dynamics Simulations. <b>1998</b> , 36, 668-675		49
2006	Comprehensive Study of Convex-Louver and Wavy Fin-and-Tube Heat Exchangers. <b>1998</b> , 12, 423-430		63
2005	Condensation in Smooth Horizontal Tubes. <b>1998</b> , 120, 193-213		459
2004	A Note on Particle Size Measurements in Two-Phase Flows. <b>1998</b> , 120, 390-397		4
2003	Natural Convection Air Cooling of a Discrete Heat Source on a Conducting Board in a Shallow Horizontal Enclosure. <b>1998</b> , 120, 89-97		6



2002	Aspects of Vane Film Cooling With High Turbulence: Part I Heat Transfer. <b>1998</b> , 120, 768-776	26
2001	Thermal and Hydraulic Performance of a Rectangular Duct With Multiple V-Shaped Ribs. <b>1998</b> , 120, 1072-1077	24
2000	Elements of an Approach to the Assessment of Systematic Uncertainty in Transient Measurements. <b>1998</b> , 120, 755-759	
1999	Two-Phase Flow From a Stratified Region Through a Small Side Branch. <b>1998</b> , 120, 605-612	20
1998	Aspects of Vane Film Cooling With High Turbulence: Part II Adiabatic Effectiveness. <b>1998</b> , 120, 777-784	37
1997	Heat Transfer and Flow Phenomena in a Swirl Chamber Simulating Turbine Blade Internal Cooling. <b>1998</b> ,	10
1996	Measurements of Heat Transfer Characteristics of Gap Leakage Around a Misaligned Component Interface. <b>1998</b> ,	10
1995	Turbulent Boundary Layers Subjected to Multiple Strains. <b>1999</b> , 121, 526-532	4
1994	Changes in Particulate Composition and Morphology When Using of Vegetable Oil Lubricant in a Low Heat Rejection Engine. <b>1999</b> ,	4
1993	Experimental Study of Turbulent Flow Heat Transfer and Pressure Drop in a Plate Heat Exchanger With Chevron Plates. <b>1999</b> , 121, 110-117	212
1992	Experimental and Numerical Investigation of Forced Convective Characteristics of Arrays of Channel Mounted Obstacles. <b>1999</b> , 121, 34-42	46
1991	Experimental Study of the Local Convection Heat Transfer From a Wall-Mounted Cube in Turbulent Channel Flow. <b>1999</b> , 121, 564-573	78
1990	Enhanced Heat Transfer Characteristics of Viscous Liquid Flows in a Chevron Plate Heat Exchanger. <b>1999</b> , 121, 1011-1017	53
1989	Heat Transfer and Flow Phenomena in a Swirl Chamber Simulating Turbine Blade Internal Cooling. <b>1999</b> , 121, 804-813	42
1988	Optimum Design of Air-Cooled Fin-and-Tube Heat Exchangers: Accounting for the Effect of Complex Circuiting. <b>1999</b> , 163-184	
1987	Experimental evaluation of the thermal properties of two tissue equivalent phantom materials. <b>1999</b> , 15, 509-18	11
1986	Planar Doppler Velocimetry: Three-Component Velocimetry in Supersonic Jets. <b>1999</b> , 37, 700-707	19
1985	Counter-Rotating Vortices Embedded in a Turbulent Boundary Layer with Inclined Jets. <b>1999</b> , 37, 1277-1284	8

1984	Composition shift in liquid-recirculation refrigerating systems. <b>1999</b> , 22, 486-498		13
1983	An investigation of the airside performance of the slit fin-and-tube heat exchangers. <b>1999</b> , 22, 595-603		81
1982	Developing convective heat transfer in deep rectangular microchannels. <b>1999</b> , 20, 149-157		249
1981	Heat transfer characteristics of shrouded longitudinal ribs in turbulent forced convection. <b>1999</b> , 20, 374-384		11
1980	Temperature measurements in convective heat transfer flows using dual-broadband, pure-rotational coherent anti-Stokes Raman spectroscopy (CARS). <i>Experimental Thermal and Fluid Science</i> , <b>1999</b> , 19, 13-26	3	16
1979	Experimental studies on the pressure drop across the various components of a PHWR fuel channel. <i>Experimental Thermal and Fluid Science</i> , <b>1999</b> , 20, 34-44	3	18
1978	Turbulent heat transfer, pressure drop and fin efficiency in annular regions with continuous longitudinal rectangular fins. <i>Experimental Thermal and Fluid Science</i> , <b>1999</b> , 20, 55-65	3	29
1977	Entry region of louvered fin heat exchangers. <i>Experimental Thermal and Fluid Science</i> , <b>1999</b> , 19, 223-232	3	22
1976	Heat transfer from a horizontal wafer-based disk of multi-chip modules. <b>1999</b> , 42, 1007-1022		11
1975	Orientation effects on pool boiling critical heat flux (CHF) and modeling of CHF for near-vertical surfaces. <b>1999</b> , 42, 1665-1688		135
1974	Heat transfer in a swirl chamber at different temperature ratios and Reynolds numbers. <b>1999</b> , 42, 4081-4091		39
1973	Viscosity Measurements of Industrial Alloys Using the Oscillating Cup Technique. <b>1999</b> , 20, 1791-1800		9
1972	Measurements of contra-rotating vortices in a turbulent boundary layer. <b>1999</b> ,		1
1971	Flowfield Measurements in the Endwall Region of a Stator Vane. <b>1999</b> ,		5
1970	Thermal characterization of aerospace structures. <b>1999</b> ,		1
1969	Modal Effects on the Local Heat Transfer Characteristics of a Vibrating Body. <b>2000</b> , 122, 233-239		2
1968	Local Swirl Chamber Heat Transfer and Flow Structure at Different Reynolds Numbers. <b>2000</b> , 122, 375-385		50
1967	The testing and evaluation of trial refrigerants: Part 1. System description. <b>2000</b> , 24, 1217-1241		2

1966	Characteristics of air-water two-phase flow in a 3-mm smooth tube. <b>2000</b> , 78, 1011-1016		8
1965	An experimental study of the airside performance of the superslit fin-and-tube heat exchangers. <b>2000</b> , 43, 4475-4482		49
1964	Experimental investigation of laminar mixed convection in an inclined semicircular duct under buoyancy assisted and opposed conditions. <b>2000</b> , 43, 1103-1111		13
1963	Condensation of R134a flowing inside helicoidal pipe. <b>2000</b> , 43, 2553-2564		58
1962	Heat transfer and friction characteristics of plain fin-and-tube heat exchangers, part I: new experimental data. <b>2000</b> , 43, 2681-2691		167
1961	Heat and momentum transfer for compact louvered fin-and-tube heat exchangers in wet conditions. <b>2000</b> , 43, 3443-3452		67
1960	Uncertainties in parameter estimation: the optimal experiment design. <b>2000</b> , 43, 3331-3339		49
1959	Experimental evaluation of R22 and R407C evaporative heat transfer coefficients in a vapour compression plant. <b>2000</b> , 23, 366-377		26
1958	Turbulence measurements of an inclined rectangular jet embedded in a turbulent boundary layer. <b>2000</b> , 21, 291-296		9
1957	The effect of inclination on the heat transfer between a flat surface and an impinging two-dimensional air jet. <b>2000</b> , 21, 156-163		100
1956	Alterations to coherent flow structures and heat transfer due to pulsations in an impinging air-jet. <b>2000</b> , 39, 236-248		37
1955	Two-phase pressure drop of refrigerants during flow boiling in small channels: an experimental investigation and correlation development. <b>2000</b> , 26, 1739-1754		207
1954	Additional effects on internal flow of non-Newtonian fluids in the presence of a particle. <b>2000</b> , 95, 85-100		2
1953	Detailed measurements of heat transfer coefficients in a rectangular duct using hue-based calibrated liquid crystal. <b>2000</b> , 27, 13-22		3
1952	Condensate carryover phenomena in dehumidifying, finned-tube heat exchangers. <i>Experimental Thermal and Fluid Science</i> , <b>2000</b> , 22, 175-182	3	19
1951	Convective boiling of halocarbon refrigerants flowing in a horizontal copper tube An experimental study. <i>Experimental Thermal and Fluid Science</i> , <b>2000</b> , 23, 93-104	3	44
1950	Experiments on the local heat transfer characteristics of a circulating fluidized bed. <i>Experimental Thermal and Fluid Science</i> , <b>2000</b> , 20, 170-179	3	26
1949	Wet Air Side Performance of Louver Fin Automotive Evaporators. <b>2000</b> ,		16

1948	Experimental Studies of the Impact of CETANER <sub>10</sub> on Diesel Combustion and Emissions. <b>2000,</b>	16
1947	Optimization and Comparison of Two Methods for Determination of Diesel Particulate Emissions. <b>2000,</b>	1
1946	Emission Characteristics of a Navistar 7.3L Turbodiesel Fueled with Blends of Oxygenates and Diesel. <b>2000,</b>	9
1945	Effects of Gap Leakage on Fluid Flow in a Contoured Turbine Nozzle Guide Vane. <b>2000,</b>	8
1944	Thermal Characterization of Aerospace Structures. <b>2000, 14, 322-329</b>	4
1943	Solar Absorber Plates: Design and Application to Microgravity Capillary-Pumped-Loop Experiments. <b>2000, 37, 100-107</b>	
1942	Experimental study on heat transfer and friction in pin fin channel flow. <b>2000, 23, 117-123</b>	0
1941	Heat Transfer and Pressure Drop of Laminar Flow in Horizontal Tubes With/Without Longitudinal Inserts. <b>2000, 122, 465-475</b>	24
1940	Flowfield Measurements in the Endwall Region of a Stator Vane. <b>2000, 122, 458-466</b>	40
1939	High Free-Steam Turbulence Effects on Endwall Heat Transfer for a Gas Turbine Stator Vane. <b>2000, 122, 699-708</b>	47
1938	Pool Boiling Heat Transfer in Aqueous Solutions of an Anionic Surfactant. <b>2000, 122, 708-715</b>	95
1937	Measurements and Predictions of a Highly Turbulent Flowfield in a Turbine Vane Passage. <b>2000, 122, 666-676</b>	5
1936	Determination of the Effective Thermal Conductivity Tensor of Heterogeneous Media Using a Self-Consistent Finite Element Method: Application to the Pseudo-percolation Thresholds of Mixtures Containing Nonspherical Inclusions. <b>2000, 122, 171-175</b>	3
1935	Friction Factor in U-Type Undulated Pipe Flow. <b>2000, 122, 260-263</b>	16
1934	Channel Height Effect on Heat Transfer and Friction in a Dimpled Passage. <b>2000, 122, 307-313</b>	109
1933	A general method for calculating the heat island correction and uncertainties for button gauges. <b>2000, 11, 920-932</b>	8
1932	Flowfield Measurements for a Highly Turbulent Flow in a Stator Vane Passage. <b>2000, 122, 255-262</b>	52
1931	Effect of Mach Number on Secondary Flow Characteristics. <b>2000, 17,</b>	5

1930	An experimental study of a diffuser in ground effect. <b>2000,</b>	2
1929	Experimental Analysis of Thermal Instability in Natural Convection Between Horizontal Parallel Plates Uniformly Heated. <b>2000,</b> 122, 50-57	15
1928	Effects of oxygenated blending compounds on emissions from a turbocharged direct injection diesel engine. <b>2000,</b> 1, 57-70	63
1927	Experimental Study of Major Species and Temperature Profiles of Liquid Oxygen/Gaseous Hydrogen Rocket Combustion. <b>2001,</b> 17, 788-793	14
1926	Experimental validation of an inverse heat conduction problem using thermocouple and infrared data. <b>2001,</b>	6
1925	Experimental and Numerical Analysis of Turbulent Opposed Impinging Jets. <b>2001,</b> 39, 1901-1908	25
1924	An electrohydrodynamic polarization micropump for electronic cooling. <b>2001,</b> 10, 98-106	100
1923	Flow structure due to dimple depressions on a channel surface. <b>2001,</b> 13, 3442-3451	191
1922	Emission Characteristics of a Navistar 7.3L Turbodiesel Fueled with Blends of Dimethyl Ether and Diesel Fuel. <b>2001,</b>	14
1921	Preliminary Investigation On the Viability of 1,3-Dioxolane as an Alternative to MTBE in Reformulated Gasoline. <b>2001,</b>	2
1920	Critical Heat Flux and Boiling Heat Transfer to Water in a 3-mm-Diameter Horizontal Tube. <b>2001,</b>	3
1919	Effect of Turbulence With Different Vortical Structures on Stagnation Region Heat Transfer. <b>2001,</b> 123, 665-674	8
1918	Heat Transfer and Pressure Drop Characteristics During R22 Evaporation in an Oval Microfin Tube. <b>2001,</b> 123, 301-308	12
1917	Full-Coverage Film Cooling With Short Normal Injection Holes. <b>2001,</b>	13
1916	Full-Coverage Film Cooling With Short Normal Injection Holes. <b>2001,</b> 123, 798-805	57
1915	Higher Order Perturbation Analysis of Stochastic Thermal Systems With Correlated Uncertain Properties. <b>2001,</b> 123, 390-398	8
1914	Detailed Boundary Layer Measurements on a Turbine Stator Vane at Elevated Freestream Turbulence Levels. <b>2001,</b>	6
1913	Convective Heat Transfer from In-Tube Cooling of Turbulent Supercritical Carbon Dioxide: Part 2 Experimental Data and Numerical Predictions. <b>2001,</b> 7, 367-382	26

1912	Shock Wave Film Cooling Interactions in Transonic Flows. <b>2001</b> , 123, 788-797		23
1911	Flow Field Simulations of a Gas Turbine Combustor. <b>2001</b> ,		7
1910	Interfacial shear in downward two-phase annular co-current flow. <b>2001</b> , 27, 1095-1108		10
1909	Heat transfer and pressure drop measurements in rib-roughened rectangular ducts. <i>Experimental Thermal and Fluid Science</i> , <b>2001</b> , 24, 25-34	3	110
1908	Experiments on elliptic sections in one- and two-row arrangements of plate fin and tube heat exchangers. <i>Experimental Thermal and Fluid Science</i> , <b>2001</b> , 24, 67-75	3	61
1907	Pressure drop, heat transfer and performance of single-phase turbulent flow in spirally corrugated tubes. <i>Experimental Thermal and Fluid Science</i> , <b>2001</b> , 24, 131-138	3	77
1906	Dynamic and equilibrium surface tension of aqueous surfactant and polymeric solutions. <i>Experimental Thermal and Fluid Science</i> , <b>2001</b> , 25, 55-64	3	82
1905	Condensation heat transfer of a pure fluid and binary mixture outside a bundle of smooth horizontal tubes. Comparison of experimental results and a classical model. <b>2001</b> , 24, 841-855		33
1904	Experimental and theoretical analysis of air humidification/dehumidification processes using hydrophobic capillary contactors. <b>2001</b> , 21, 1119-1135		77
1903	Uncertainty in measuring the event pollutant removal performance of online detention tanks with permanent outflow. <b>2001</b> , 3, 91-106		5
1902	Measurement of thermophysical properties of polyurethane foam insulation during transient heating. <b>2001</b> , 40, 133-144		16
1901	An analytical and experimental analysis of a very fast thermal transient. <b>2001</b> , 25, 979-991		1
1900	Solar thermal decomposition kinetics of ZnO in the temperature range 1950-2400K. <b>2001</b> , 56, 4505-4515		82
1899	Heat transfer studies of a porous heat sink characterized by straight circular ducts. <b>2001</b> , 44, 1593-1603		9
1898	Turbulent mixed convection flow over a backward-facing step. <b>2001</b> , 44, 2661-2669		27
1897	A comparative study of compact enhanced fin-and-tube heat exchangers. <b>2001</b> , 44, 3565-3573		99
1896	Heat transfer enhancement by the chimney effect in a vertical isoflux channel. <b>2001</b> , 44, 4345-4357		51
1895	Flow structure and local Nusselt number variations in a channel with dimples and protrusions on opposite walls. <b>2001</b> , 44, 4413-4425		136

1894	Effect of inclination on the air-side performance of a brazed aluminum heat exchanger under dry and wet conditions. <b>2001</b> , 44, 4613-4623	30
1893	Two-Phase Flow Resistance of Refrigerants R-22, R-410A and R-407C in Small Diameter Tubes. <b>2001</b> , 79, 553-560	18
1892	Heat transfer distribution in rectangular ducts with V-shaped ribs. <b>2001</b> , 37, 315-320	39
1891	Heat transfer and pressure drop in a rectangular channel with diamond-shaped elements. <b>2001</b> , 44, 3529-3541	62
1890	Heat transfer and friction correlations and thermal performance analysis for a finned surface. <b>2001</b> , 42, 1071-1083	60
1889	Computational Design and Experimental Evaluation of Using a Leading Edge Fillet on a Gas Turbine Vane. <b>2001</b> ,	11
1888	Elliptical Pin Fins as an Alternative to Circular Pin Fins for Gas Turbine Blade Cooling Applications: Part 1 Endwall Heat Transfer and Total Pressure Loss Characteristics. <b>2001</b> ,	11
1887	Local Heat Transfer and Flow Structure on and Above a Dimpled Surface in a Channel. <b>2001</b> , 123, 115-123	149
1886	Near Wall Measurements for a Turbulent Impinging Slot Jet (Data Bank Contribution)1. <b>2001</b> , 123, 112-120	44
1885	Effects of Bulk Flow Pulsations on Phase-Averaged and Time-Averaged Film-Cooled Boundary Layer Flow Structure. <b>2001</b> , 123, 559-566	4
1884	Experimental and Numerical Study of Turbulent Heat Transfer in Twisted Square Ducts. <b>2001</b> , 123, 868-877	26
1883	The Force and Pressure of a Diffuser-Equipped Bluff Body in Ground Effect. <b>2001</b> , 123, 105-111	35
1882	Jet Impingement Boiling From a Circular Free-Surface Jet During Quenching: Part 1 Single-Phase Jet. <b>2001</b> , 123, 901-910	68
1881	Parametric study of the air-side performance of slit fin-and-tube heat exchangers in wet conditions. <b>2001</b> , 215, 1111-1121	22
1880	Heat Transfer in a Channel with Dimples and Protrusions on Opposite Walls. <b>2001</b> , 15, 275-283	100
1879	Two-Phase Pressure Drop of Air-Water in Small Horizontal Tubes. <b>2001</b> , 15, 409-415	9
1878	Thermal Performance Testing of Industrial Heat Exchangers. <b>2001</b> , 1-55	1
1877	AIRSIDE PERFORMANCE OF STAGGERED TUBE BUNDLE HAVING SHALLOW TUBE ROWS. <b>2001</b> , 187, 129-147	11

1876	Measurement of condensate film thickness on reflective surfaces with infrared thermography. <b>2002</b> , 13, 1467-1474	2
1875	Rectangular Jet Impingement Heat Transfer on a Vehicle Windshield. <b>2002</b> , 16, 154-157	4
1874	Transonic Film Cooling Effectiveness from Shaped Holes on a Simulated Turbine Airfoil. <b>2002</b> , 16, 228-237	28
1873	Microfabricated Shear-Stress Sensors, Part 3: Reducing Calibration Uncertainty. <b>2002</b> , 40, 1582-1588	4
1872	Numerical Investigation of Forced Convection in a Horizontal Channel With a Built-In Triangular Prism. <b>2002</b> , 124, 571-573	13
1871	Enclosed Buoyant Convection With Internal Heat Generation Under Oscillating Sidewall Temperature. <b>2002</b> , 124, 577-580	15
1870	Condensation Heat Transfer on Enhanced Surface Tubes: Experimental Results and Predictive Theory. <b>2002</b> , 124, 754-761	37
1869	Computational Design and Experimental Evaluation of Using a Leading Edge Fillet on a Gas Turbine Vane. <b>2002</b> , 124, 167-175	59
1868	Electrical and Thermal Layout Design and Optimization Considerations for DPS Active IPEM. <b>2002</b> , 253	14
1867	Experiments and Modeling of the Heat Transfer of In-Line Square Pin Fin Heat Sinks With Top By-Pass Flow. <b>2002</b> , 195	1
1866	Characterization of Heat Sink Flow Bypass in Plate Fin Heat Sinks. <b>2002</b> , 189	5
1865	The uncertainty tree: Reducing the uncertainty of uncertainty analysis. <b>2002</b> , 73, 3698-3700	2
1864	A New Approach to Correlate the Frictional Performance of Fin-and-Tube Heat Exchangers in Wet Conditions. <b>2002</b> , 23, 15-21	4
1863	An Experimental Study of Convective Boiling in a Compact Serrated Plate-Fin Heat Exchanger. <b>2002</b> , 9, 1-15	7
1862	New Experimental Data for Enthalpy of Reaction and Temperature- and Degree-of-Cure-Dependent Specific Heat and Thermal Conductivity of the Hercules 3501-6 Epoxy System. <b>2002</b> , 36, 2061-2072	16
1861	Combustor Turbine Interface Studies: Part 2 [Flow and Thermal Field Measurements. <b>2002</b> , 1003	5
1860	Nusselt Number Behavior on Deep Dimpled Surfaces Within a Channel. <b>2002</b> , 49	7
1859	Experimental Investigation of Convective Melting of Granular Packed Bed Under Microgravity. <b>2002</b> , 124, 516-524	3



1858	Combustor Turbine Interface Studies: Part 1 [Endwall Effectiveness Measurements. <b>2002</b> , 993	5
1857	Effects of Aeroderivative Combustor Turbulence on Endwall Heat Transfer Distributions Acquired in a Linear Vane Cascade. <b>2002</b> , 981	1
1856	The Relationship Between Frictional Resistance and Roughness for Surfaces Smoothed by Sanding. <b>2002</b> , 124, 492-499	38
1855	Spatially-Resolved Heat Transfer and Flow Structure in a Rectangular Channel With 45° Angled Rib Turbulators. <b>2002</b> , 521	4
1854	Effects of Bulk Flow Pulsations on Film Cooling With Compound Angle Holes: Heat Transfer Coefficient Ratio and Heat Flux Ratio. <b>2002</b> , 124, 142-151	11
1853	Flow Field Simulations of a Gas Turbine Combustor. <b>2002</b> , 124, 508-516	33
1852	Detailed Boundary Layer Measurements on a Turbine Stator Vane at Elevated Freestream Turbulence Levels. <b>2002</b> , 124, 107-118	31
1851	Experimental Measurements of the Flow and Heat Transfer of a Square Jet Impinging on an Array of Square Pin Fins. <b>2002</b> , 179	2
1850	Combined Free and Forced Convection Film Condensation on a Finite-Size Horizontal Wavy Plate. <b>2002</b> , 124, 573-576	3
1849	Sources of bias errors in flume experiments on suspended-sediment transport. <b>2002</b> , 40, 695-708	24
1848	TURBULENT NATURAL-CONVECTION FLOW OVER A VERTICAL FORWARD-FACING STEP. <b>2002</b> , 15, 49-69	2
1847	Effect of Oxygenated Fuel on Combustion and Emissions in a Light-Duty Turbo Diesel Engine. <b>2002</b> , 16, 294-301	111
1846	Effect on Natural Convection of the Distance Between an Inclined Discretely Heated Plate and a Parallel Shroud Below. <b>2002</b> , 124, 441-451	10
1845	Validation of models for air cooled plane fin heat sinks used in computer cooling.	14
1844	Experimental Analysis of Chimney Effect with Radiation on an Asymmetrically Heated Vertical Channel. <b>2002</b> ,	
1843	Two-Phase Friction Pressure Drop of Small Diameter U-type Wavy Pipes. <b>2002</b> ,	
1842	Apparatus for accurate measurement of interface resistance of high performance thermal interface materials.	9
1841	EXPERIMENTAL INVESTIGATION OF HYDRAULIC AND SINGLE-PHASE HEAT TRANSFER IN 0.130-MM CAPILLARY TUBE. <b>2002</b> , 6, 85-97	85

1840	Numerical Model of the Plasma Jet Generated by an Electrothermal-Chemical Igniter. <b>2002</b> , 16, 157-160	13
1839	Temperature Measurement of a Vehicle's Windshield Using Liquid Crystals. <b>2002</b> ,	3
1838	Modification of Near-Wall Structure in a Shear-Driven 3-D Turbulent Boundary Layer. <b>2002</b> , 124, 118-126	3
1837	Validation of a Noninvasive Thermal Perfusion System Using a Canine Medial Saphenous Fasciocutaneous Free Tissue Flap Model. <b>2002</b> , 9	2
1836	TURBULENCE MEASUREMENT OF VORTEX FLOW GENERATED BY A BLUFF BODY IN GROUND EFFECT. <b>2002</b> , 435-444	
1835	Measurement and Prediction of the Influence of Catalytic and Dry Low NOx Combustor Turbulence on Vane Surface Heat Transfer. <b>2002</b> , 969	2
1834	Heat transfer from a plate impinging swirl jet. <b>2002</b> , 26, 305-320	18
1833	Thermal performance analysis of a tube finned surface. <b>2002</b> , 26, 321-333	8
1832	Heat transfer from a surface fitted with rectangular blocks at different orientation angle. <b>2002</b> , 38, 649-655	27
1831	Effect of passive techniques on interior temperature in small houses in the dry, hot climate of northwestern Mexico. <b>2002</b> , 26, 121-135	9
1830	Experimental evaluation of electronic and thermostatic expansion valves performances using R22 and R407C. <b>2002</b> , 22, 205-218	30
1829	Effects of backward- and forward-facing steps on turbulent natural convection flow along a vertical flat plate. <b>2002</b> , 41, 376-385	15
1828	Heat and fluid flow resulting from the chimney effect in a symmetrically heated vertical channel with adiabatic extensions. <b>2002</b> , 41, 1101-1111	31
1827	Pressure drop and void fraction profiles during horizontal flow through thin and thick orifices. <i>Experimental Thermal and Fluid Science</i> , <b>2002</b> , 26, 513-523	3 58
1826	Flooding in small-scale passages. <i>Experimental Thermal and Fluid Science</i> , <b>2002</b> , 26, 525-533	3 10
1825	A condensation heat transfer correlation for millimeter-scale tubing with flow regime transition. <i>Experimental Thermal and Fluid Science</i> , <b>2002</b> , 26, 473-485	3 174
1824	Scaling of heat transfer coefficients along louvered fins. <i>Experimental Thermal and Fluid Science</i> , <b>2002</b> , 26, 547-563	3 41
1823	Pressure drops and flow patterns in sand-mixture pipes. <i>Experimental Thermal and Fluid Science</i> , <b>2002</b> , 26, 693-702	3 84

1822	Heat transfer measurements in a rotorstator system with three-dimensional non-axisymmetric flow conditions. <i>Experimental Thermal and Fluid Science</i> , <b>2002</b> , 27, 47-58	3	3
1821	Collector efficiency of double-flow solar air heaters with fins attached. <b>2002</b> , 27, 715-727		93
1820	Two-phase pressure drop, boiling heat transfer, and critical heat flux to water in a small-diameter horizontal tube. <b>2002</b> , 28, 927-941		285
1819	Air-side thermal hydraulic performance of multi-louvered fin aluminum heat exchangers. <b>2002</b> , 25, 390-400		165
1818	Effect of inlet humidity condition on the air-side performance of an inclined brazed aluminum evaporator. <b>2002</b> , 25, 611-620		23
1817	Heat transfer and flow pattern during two-phase flow boiling of R-134a in horizontal smooth and microfin tubes. <b>2002</b> , 25, 789-798		52
1816	Air-side performance of brazed aluminum heat exchangers under dehumidifying conditions. <b>2002</b> , 25, 924-934		65
1815	Modeling and experimental evaluation of an automotive air conditioning system with a variable capacity compressor. <b>2002</b> , 25, 1157-1172		89
1814	Elevated freestream turbulence effects on heat transfer for a gas turbine vane. <b>2002</b> , 23, 137-147		19
1813	Turbulent mixed convection flow over a backward-facing stepThe effect of the step heights. <b>2002</b> , 23, 758-765		28
1812	The influence of additive molecular weight and ionic nature on the pool boiling performance of aqueous surfactant solutions. <b>2002</b> , 45, 483-493		62
1811	Heat transfer enhancement with a surfactant on horizontal bundle tubes of an absorber. <b>2002</b> , 45, 735-741		20
1810	An experimental and numerical study of heat transfer off an inclined surface subject to an impinging airflow. <b>2002</b> , 45, 1615-1629		29
1809	Frost formation and frost crystal growth on a cold plate in atmospheric air flow. <b>2002</b> , 45, 4289-4303		35
1808	Heat transfer in a dimpled channel: combined influences of aspect ratio, temperature ratio, Reynolds number, and flow structure. <b>2002</b> , 45, 2011-2020		198
1807	A Reynolds analogy for real component surface roughness. <b>2002</b> , 45, 3089-3099		26
1806	Single-sided steam condensing inside a rectangular horizontal channel. <b>2002</b> , 45, 3715-3724		4
1805	Photoelastic validation of a theoretical solution for an edge cracked disk. <b>2003</b> , 43, 410-419		1

1804	Visualization of air flow using infrared thermography. <b>2003</b> , 34, 275-284	12
1803	Experimental study of the velocity field in a vortex-flow heat exchanger with isothermal conditions. <b>2003</b> , 34, 418-429	
1802	Comparison of three roughness function determination methods. <b>2003</b> , 35, 372-379	38
1801	Heat transfer and pressure drop characteristics of enhanced titanium tubes. <b>2003</b> , 159, 33-41	15
1800	Turbulent heat transfer and flow characteristics in a horizontal circular tube with strip-type inserts. Part I. Fluid mechanics. <b>2003</b> , 46, 823-835	8
1799	Effusivity-based correlation of surface property effects in pool boiling CHF of dielectric liquids. <b>2003</b> , 46, 3755-3764	92
1798	Boiling incipience of highly wetting liquids in horizontal confined space. <b>2003</b> , 46, 4245-4256	7
1797	Oscillation effects on frost formation and liquid droplet solidification on a cold plate in atmospheric air flow. <b>2003</b> , 26, 69-78	17
1796	Experimental study and modelling of heat transfer during condensation of pure fluid and binary mixture on a bundle of horizontal finned tubes. <b>2003</b> , 26, 214-223	18
1795	Heat transfer and pressure drop in a plate-type evaporator. <b>2003</b> , 26, 180-188	11
1794	Experimental investigation of Seyhan River and dam lake as heat source/sink for a heat pump. <b>2003</b> , 28, 157-169	51
1793	Measurements of laminar mixed convection flow adjacent to an inclined surface with uniform wall heat flux. <b>2003</b> , 42, 57-62	10
1792	Frictional performance of R-22 and R-410A inside a 5.0 mm wavy diameter tube. <b>2003</b> , 46, 755-760	22
1791	Turbulent heat transfer and flow characteristics in a horizontal circular tube with strip-type inserts. Part II. Heat transfer. <b>2003</b> , 46, 837-849	7
1790	Cooling of cylindrical vertical tanks submitted to natural internal convection. <b>2003</b> , 46, 2015-2026	43
1789	Flow structure and local Nusselt number variations in a channel with angled crossed-rib turbulators. <b>2003</b> , 46, 3153-3166	15
1788	Non-thermal equilibrium melting of granular packed bed in horizontal forced convection. Part I: experiment. <b>2003</b> , 46, 5017-5030	18
1787	Experimental analysis of asymmetrical isoflux channel-chimney systems. <b>2003</b> , 42, 837-846	20

1786	Experimental investigation of the influence of buoyancy on turbulent flow adjacent to a horizontal plate induced by a trip wire. <b>2003</b> , 42, 1013-1020	3
1785	Thermal design of symmetrically and asymmetrically heated channel chimney systems in natural convection. <b>2003</b> , 23, 605-621	16
1784	Guide: Assessing Experimental Uncertainty [Supplement to AIAA S-071A-1999 (AIAA G-045-2003)]. <b>2003</b> ,	
1783	An Experimental Analysis of Camber Effects of a 6-Bladed Flapped Autorotational Aerodynamic Decelerator. <b>2003</b> ,	1
1782	Frictional Performance of U-Type Wavy Tubes. <b>2003</b> , 125, 880-886	7
1781	Variable Property Nusselt Numbers in a Channel with Pin Fins. <b>2003</b> , 17, 103-111	13
1780	Observations of Early-Stage Frost Formation on a Cold Plate in Atmospheric Air Flow. <b>2003</b> , 125, 95-102	30
1779	Heat Transfer Enhancement Using a Convex-Patterned Surface. <b>2003</b> , 125, 274-280	17
1778	Nusselt Number Behavior on Deep Dimpled Surfaces Within a Channel. <b>2003</b> , 125, 11-18	76
1777	Variable Property and Temperature Ratio Effects on Nusselt Numbers in a Rectangular Channel With 45 Deg Angled Rib Turbulators. <b>2003</b> , 125, 769-778	16
1776	Influence of Diffuser Angle on a Bluff Body in Ground Effect. <b>2003</b> , 125, 332-338	24
1775	Turbulent Boundary Layers Over Surfaces Smoothed by Sanding. <b>2003</b> , 125, 863-870	67
1774	Experimental Study of Electrohydrodynamic Induction Pumping of a Dielectric Micro Liquid Film in External Horizontal Condensation Process. <b>2003</b> , 125, 1096-1105	19
1773	Effects of Aeroderivative Combustor Turbulence on Endwall Heat Transfer Distributions Acquired in a Linear Vane Cascade. <b>2003</b> , 125, 210-220	28
1772	Spatially Resolved Heat Transfer and Friction Factors in a Rectangular Channel With 45-Deg Angled Crossed-Rib Turbulators. <b>2003</b> , 125, 575-584	19
1771	Computational Predictions of Endwall Film-Cooling for a First Stage Vane. <b>2003</b> , 163	24
1770	Effects of Surface Roughness and Turbulence Intensity on the Aerodynamics Losses Produced by a Suction Surface of a Simulated Turbine Airfoil. <b>2003</b> , 77	1
1769	Experimental Characterization of Compact Heat Exchangers With Short Flow Lengths at Simulated Elevated Altitudes. <b>2003</b> , 125, 171-180	1

1768	Experimental Surface Heat Transfer and Flow Structure in a Curved Channel With Laminar, Transitional, and Turbulent Flows. <b>2003</b> , 601	
1767	Effects of Catalytic and Dry Low NOx Combustor Turbulence on Endwall Heat Transfer Distributions. <b>2003</b> , 317	1
1766	Influence of Loading Distribution on the Performance of Transonic HP Turbine Blades. <b>2003</b> , 125	2
1765	Heat Transfer and Flow Friction Characteristics for Compact Cold Plates. <b>2003</b> , 125, 104-113	6
1764	Effect of Fin Geometry on Condensation of R407C in a Staggered Bundle of Horizontal Finned Tubes. <b>2003</b> , 125, 653-660	6
1763	Measurement and Prediction of the Influence of Catalytic and Dry Low NOx Combustor Turbulence on Vane Surface Heat Transfer. <b>2003</b> , 125, 221-231	22
1762	An Experimental Study of Pin Fin Heat Sinks and Determination of End Wall Heat Transfer. <b>2003</b> , 445	1
1761	Experimental Investigation on Mixed Convection in a Channel With an Open Cavity Below. <b>2003</b> , 257	
1760	Combustor Turbine Interface StudiesPart 1: Endwall Effectiveness Measurements. <b>2003</b> , 125, 193-202	34
1759	Combustor Turbine Interface StudiesPart 2: Flow and Thermal Field Measurements. <b>2003</b> , 125, 203-209	33
1758	Heat Transfer Testing of Enhanced Finned-Tube Bundles Using the Single-Blow Technique. <b>2003</b> , 115	1
1757	Three-Dimensional Turbulent Flow in the Exit Head Section of a Heat Exchanger. <b>2004</b> , 126, 72-80	2
1756	Combustion and Emissions Performance of Low Sulfur, Ultra Low Sulfur and Biodiesel Blends in a DI Diesel Engine. <b>2004</b> ,	38
1755	Methodology for computation and measurement of thermal conductivity for thin film composite substrates.	0
1754	Experimental and Numerical Investigation on the Performance of a Family of Three HP Transonic Turbine Blades. <b>2004</b> , 1015	4
1753	Flowfield Measurements in a Ribbed Channel Relevant to Internal Turbine Blade Cooling. <b>2004</b> , 383	10
1752	Local Heat Transfer and Pressure Drop for Finned-Tube Heat Exchangers Using Oval Tubes and Vortex Generators. <b>2004</b> , 126, 826-835	38
1751	Effect of Ethoxylation and Molecular Weight of Cationic Surfactants on Nucleate Boiling in Aqueous Solutions. <b>2004</b> , 126, 34-42	27

1750	Spatially Resolved Surface Heat Transfer for Parallel Rib Turbulators With 45 Deg Orientations Including Test Surface Conduction Analysis. <b>2004</b> , 126, 193-201	30
1749	Frictional Resistance of Antifouling Coating Systems. <b>2004</b> , 126, 1039-1047	107
1748	Detailed Experimental Validation of the Thermal and Fluid Dynamic Behavior of Hermetic Reciprocating Compressors. <b>2004</b> , 10, 291-306	3
1747	Experimental hydraulic characterization of pin fin heat sinks with top and side bypass.	
1746	Air-Water Two-Phase Pressure Drop in U-Type Wavy Tubes. <b>2004</b> , 18, 364-369	1
1745	Some Observations of the Frost Formation in Fin Arrays. <b>2004</b> , 25, 35-47	6
1744	Effects of Surface Finish on Aerodynamic Performance of a Sailboat Centerboard. <b>2004</b> , 41, 1073-1081	1
1743	Conditions of Onset of Boiling in a Vertical Thermosiphon Reboiler. <b>2004</b> , 18, 448-456	3
1742	Mach Number/Surface Roughness Effects on Symmetric Transonic Turbine Airfoil Aerodynamic Losses. <b>2004</b> , 20, 1117-1125	11
1741	Diffusion characteristics of a plane jet discharged in a wavy crossflowing stream. <b>2004</b> , 218, 411-423	2
1740	Heat transfer in rectangular channels with transverse and V-shaped broken ribs. <b>2004</b> , 47, 229-243	213
1739	On enhancement of heat transfer with ribs. <b>2004</b> , 24, 43-57	18
1738	Effects of heating height on flame appearance, temperature field and efficiency of an impinging laminar jet flame used in domestic gas stoves. <b>2004</b> , 45, 1583-1595	68
1737	Nucleate Pool Boiling Heat Transfer of Multicomponent Mixtures. <b>2004</b> , 82, 43-52	5
1736	a study on the propagation of measurement uncertainties into the result on a turbine performance test. <b>2004</b> , 18, 689-698	4
1735	Experimental analysis of the flowfield at the exit of a premixer for combustion applications. <i>Experimental Thermal and Fluid Science</i> , <b>2004</b> , 28, 781-789	3 4
1734	Heat transfer in nucleate pool boiling of multicomponent mixtures. <i>Experimental Thermal and Fluid Science</i> , <b>2004</b> , 29, 87-103	3 38
1733	Effects of fan-starting methods on the reverse-cycle defrost performance of an air-to-water heat pump. <b>2004</b> , 27, 869-875	35

1732	Experimental pure fluid and binary mixture performance in a heat pump equipped with a distillation column. <b>2004</b> , 27, 940-947		1
1731	Evaporative heat transfer in vertical circular microchannels. <b>2004</b> , 24, 1241-1253		63
1730	Flow vaporization of CO <sub>2</sub> in microchannel tubes. <i>Experimental Thermal and Fluid Science</i> , <b>2004</b> , 28, 111-131		129
1729	A comparison of rotary regenerator theory and experimental results for an air preheater for a thermal power plant. <i>Experimental Thermal and Fluid Science</i> , <b>2004</b> , 28, 257-264	3	24
1728	Experimental investigation of thermal performance of a solar assisted heat pump system with an energy storage. <b>2004</b> , 28, 163-175		45
1727	An investigation on void fraction of vapor-liquid two-phase flow for smooth and microfin tubes with R134a at adiabatic condition. <b>2004</b> , 30, 291-310		33
1726	Vortices behind a bluff body with an upswept aft section in ground effect. <b>2004</b> , 25, 1-9		33
1725	Simplified models for coupled heat and mass transfer in falling-film absorbers. <b>2004</b> , 47, 395-406		25
1724	Influence of shaped injection holes on turbine blade leading edge film cooling. <b>2004</b> , 47, 245-256		69
1723	Spatially-resolved heat transfer and flow structure in a rectangular channel with pin fins. <b>2004</b> , 47, 1731-1743		65
1722	Comparisons of flow structure and local Nusselt numbers in channels with parallel- and crossed-rib turbulators. <b>2004</b> , 47, 1573-1586		26
1721	An experimental study of fluid mechanics and heat transfer in an impinging slot jet flow. <b>2004</b> , 47, 1827-1845		119
1720	Measurements and correlations of frictional single-phase and two-phase pressure drops of R-410A flow in small U-type return bends. <b>2004</b> , 47, 2241-2249		30
1719	Transient thermal structure, turbulence, and heat transfer in a reattaching slot jet flow. <b>2004</b> , 47, 5219-5234		9
1718	On the accuracy of void fraction measurements by single-beam gamma-densitometry for gas-liquid two-phase flows in pipes. <i>Experimental Thermal and Fluid Science</i> , <b>2004</b> , 28, 533-544	3	55
1717	Experimentation and correlation of R744 two-phase flow through short tubes. <i>Experimental Thermal and Fluid Science</i> , <b>2004</b> , 28, 565-573	3	29
1716	A new semi-empirical model for predicting heat transfer characteristics in porous channels. <i>Experimental Thermal and Fluid Science</i> , <b>2004</b> , 29, 9-21	3	6
1715	Experimental investigation of various turbulator inserts in gas-heated channels. <i>Experimental Thermal and Fluid Science</i> , <b>2004</b> , 28, 877-886	3	13



1714	Pressure drops of single and two-phase flows through T-type microchannel mixers. <b>2004</b> , 102, 11-24	45
1713	Solar thermal decomposition of zinc oxide: an initial investigation of the recombination reaction in the temperature range 1100-1250K. <b>2004</b> , 59, 2695-2704	37
1712	Pressure drop measurements in a low pressure steam condenser with a horizontal bundle of staggered tubes. <b>2004</b> , 24, 1365-1379	4
1711	Evaporation of refrigerants in a smooth horizontal tube: prediction of R22 and R507 heat transfer coefficients and pressure drop. <b>2004</b> , 24, 2189-2206	30
1710	High heat flux cooling solutions for thermal management of high power density gallium nitride HEMT.	4
1709	Heat Transfer in High Moisture Content Gas Flow Across a Cylinder at Moderate Reynolds Numbers. <b>2004</b> , 25, 23-32	
1708	Solar thermal decomposition of zinc oxide: an initial investigation of the recombination reaction in the temperature range 1100-1250 K. <b>2004</b> , 59, 2695-2695	
1707	An Experimental Study on the Influence of Flow Maldistribution on the Pressure Drop Across a Plate Heat Exchanger. <b>2004</b> , 126, 680-691	54
1706	Impingement air cooled plate fin heat sinks. Part II - Thermal resistance model.	2
1705	Impingement air cooled plate fin heat sinks. Part I - Pressure drop model.	2
1704	Heat-Transfer and Friction Characteristics for the Louver-Fin Heat Exchanger. <b>2004</b> , 18, 58-64	32
1703	The Need for a Shear Stress Calibration Standard (Invited). <b>2004</b> ,	1
1702	Influence of Loading Distribution on the Performance of Transonic High Pressure Turbine Blades. <b>2004</b> , 126, 288-296	19
1701	Effects of Dimple Depth on Nusselt Numbers and Friction Factors for Internal Cooling in a Channel. <b>2004</b> , 989	19
1700	Effects of Surface Roughness and Turbulence Intensity on the Aerodynamic Losses Produced by the Suction Surface of a Simulated Turbine Airfoil. <b>2004</b> , 126, 257-265	20
1699	Transient Convective Heat Transfer of Air Jet Impinging Onto a Confined Ceramic-Based MCM Disk. <b>2004</b> , 126, 159-172	10
1698	Adiabatic Effectiveness Measurements of Endwall Film-Cooling for a First Stage Vane. <b>2004</b> , 353	26
1697	Cooling the Tip of a Turbine Blade Using Pressure Side Holes: Part 1 [Adiabatic Effectiveness Measurements. <b>2004</b> , 263	4

1696	Experimental Surface Heat Transfer and Flow Structure in a Curved Channel With Laminar, Transitional, and Turbulent Flows. <b>2004</b> , 126, 414-423	9
1695	Measurement and Prediction of Heat Transfer Distributions on an Aft-Loaded Vane Subjected to the Influence of Catalytic and Dry Low NOx Combustor Turbulence. <b>2004</b> , 126, 139-149	12
1694	Heat Transfer and Film-Cooling Measurements on a Stator Vane With Fan-Shaped Cooling Holes. <b>2005</b> , 299	3
1693	Experimental Analysis of Opposing Flow in Mixed Convection in a Channel With an Open Cavity Below. <b>2005</b> , 617	
1692	Cooling the Tip of a Turbine Blade Using Pressure Side HolesPart II: Heat Transfer Measurements. <b>2005</b> , 127, 278-286	17
1691	Measured Adiabatic Effectiveness and Heat Transfer for Blowing From the Tip of a Turbine Blade. <b>2005</b> , 127, 251-262	9
1690	Aerodynamic Performance of a Family of Three High Pressure Transonic Turbine Blades at Off-Design Incidence. <b>2005</b> , 451	2
1689	Condensation Heat Transfer Characteristics of R134A on Smooth or Finned Horizontal Tube. <b>2005</b> , 255	
1688	Influence of Surface Roughness on the Aerodynamic Losses of a Turbine Vane. <b>2005</b> , 689	2
1687	Meso Scale Pulsating Jets for Electronics Cooling. <b>2005</b> , 127, 503-511	63
1686	Turbulent Augmentation of Internal Convection Over Pins in Staggered-Pin Fin Arrays. <b>2005</b> , 127, 183-190	63
1685	Adiabatic Effectiveness Measurements of Endwall Film-Cooling for a First-Stage Vane. <b>2005</b> , 127, 297-305	68
1684	Cooling the Tip of a Turbine Blade Using Pressure Side HolesPart I: Adiabatic Effectiveness Measurements. <b>2005</b> , 127, 270-277	21
1683	Experimental study of the effect of winglet location on heat transfer enhancement and pressure drop in fin-tube heat exchangers. <b>2005</b> , 25, 1684-1696	80
1682	Nucleate pool boiling of aqueous polymer solutions on a cylindrical heater. <b>2005</b> , 125, 185-196	23
1681	Effect of annular fins on heat transfer of a horizontal immersed tube in bubbling fluidized beds. <b>2005</b> , 154, 9-13	18
1680	Effect of engine parameters and gaseous fuel type on the cyclic variability of dual fuel engines. <b>2005</b> , 84, 961-971	83
1679	Experimental uncertainty of measured entropy production with pulsed laser PIV and planar laser induced fluorescence. <b>2005</b> , 48, 1450-1461	31

1678	Microscale heat transfer enhancement using thermal boundary layer redeveloping concept. <b>2005</b> , 48, 1662-1674		146
1677	The split of stratified gas-liquid flow at a small diameter T-junction. <b>2005</b> , 31, 514-528		43
1676	Evaporation of R407C and R410A in a horizontal herringbone microfin tube: heat transfer and pressure drop. <b>2005</b> , 28, 901-911		34
1675	Flow-boiling of R22, R134a, R507, R404A and R410A inside a smooth horizontal tube. <b>2005</b> , 28, 872-880		48
1674	Evaporating heat transfer of R22 and R410A in horizontal smooth and microfin tubes. <b>2005</b> , 28, 940-948		49
1673	An experimental study on the cross-flow vibration of a flexible cylinder in cylinder arrays. <i>Experimental Thermal and Fluid Science</i> , <b>2005</b> , 29, 523-536	3	24
1672	An investigation of thermal comfort inside an automobile during the heating period. <b>2005</b> , 36, 301-12		24
1671	A simple technique for refrigerant mass measurement. <b>2005</b> , 25, 1115-1125		18
1670	Experimental research on refrigerant mass flow coefficient of electronic expansion valve. <b>2005</b> , 25, 2351-2366		23
1669	Methane flame stability in a jet impinging onto a wall. <b>2005</b> , 46, 727-739		19
1668	Influence of oblique angle and heating height on flame structure, temperature field and efficiency of an impinging laminar jet flame. <b>2005</b> , 46, 941-958		45
1667	A tube-by-tube reduction method for simultaneous heat and mass transfer characteristics for plain fin-and-tube heat exchangers in dehumidifying conditions. <b>2005</b> , 41, 756-765		26
1666	The effect of different X-wire calibration schemes on some turbulence statistics. <b>2005</b> , 38, 80-89		29
1665	Outer layer similarity in fully rough turbulent boundary layers. <b>2005</b> , 38, 328-340		111
1664	Improvements on the accuracy of derivative estimation from DPIV velocity measurements. <b>2005</b> , 39, 1040-1050		63
1663	Water-to-water heat transfer in tube-tube heat exchanger: Experimental and analytical study. <b>2005</b> , 25, 2715-2729		6
1662	Flow boiling heat transfer with HFC mixtures in a smooth horizontal tube. Part I: Experimental investigations. <i>Experimental Thermal and Fluid Science</i> , <b>2005</b> , 29, 189-198	3	32
1661	Natural convection in a tank of oil: experimental validation of a numerical code with prescribed boundary condition. <i>Experimental Thermal and Fluid Science</i> , <b>2005</b> , 29, 671-680	3	28

1660	Condensation heat transfer and pressure drop characteristics of R-134a in an annular helical pipe. <b>2005</b> , 32, 1307-1316	29
1659	Convective boiling heat transfer characteristics of CO <sub>2</sub> in microchannels. <b>2005</b> , 48, 235-242	78
1658	Convective heat transfer from a partially premixed impinging flame jet. Part I: Time-averaged results. <b>2005</b> , 48, 1236-1251	29
1657	Experiments and modeling of the hydraulic resistance and heat transfer of in-line square pin fin heat sinks with top by-pass flow. <b>2005</b> , 48, 5058-5071	62
1656	Heat transfer and film-cooling for the endwall of a first stage turbine vane. <b>2005</b> , 48, 5255-5269	56
1655	Evaporation of R134a in a horizontal herringbone microfin tube: heat transfer and pressure drop. <b>2005</b> , 28, 889-900	19
1654	Condensation heat transfer of R22 and R410A in horizontal smooth and microfin tubes. <b>2005</b> , 28, 949-957	38
1653	Turbulent mixed convection flow over a forward-facing step—the effect of step heights. <b>2005</b> , 44, 155-162	50
1652	A criterion for experimental validation of slip-flow models for incompressible rarefied gases through microchannels. <b>2005</b> , 1, 190-196	38
1651	Thermal performance of a single-row fin-and-tube heat exchanger. <b>2005</b> , 14, 172-180	12
1650	Uncertainty Analysis of Aerodynamic Coefficients in an Automotive Wind Tunnel. <b>2005</b> ,	2
1649	Task Committee on Experimental Uncertainty and Measurement Errors in Hydraulic Engineering: An Update. <b>2005</b> , 1	4
1648	Experimental Investigation of a Pilot Compression Chiller With Alternatives Refrigerants R401a and R134a. <b>2005</b> , 43	
1647	Comparisons of flow structure above dimpled surfaces with different dimple depths in a channel. <b>2005</b> , 17, 045105	51
1646	Experimental Investigation of Natural Convection in an Asymmetrically Heated Vertical Channel with an Asymmetric Chimney. <b>2005</b> , 127, 888-896	13
1645	Design, fabrication, and characterization of thin film PZT membranes for high flux electronics cooling applications. <b>2005</b> , 14, 1239-1249	4
1644	Flow induced vibrations of a triangular tube array in various arrangements of orientation and natural frequency. <b>2005</b> , 28, 605-616	4
1643	Comparison of Measurements and Predictions for Blowing from a Turbine Blade Tip. <b>2005</b> , 21, 335-343	12

1642	Mach Number and Freestream Turbulence Effects on Turbine Vane Aerodynamic Losses. <b>2005</b> , 21, 988-996	10
1641	Prediction of electronic component-board transient conjugate heat transfer. <b>2005</b> , 28, 817-829	8
1640	Flow and Thermal Field Measurements in a Combustor Simulator Relevant to a Gas Turbine Aeroengine. <b>2005</b> , 127, 257-267	19
1639	Thermal Design and Optimization Methodology for Integrated Power Electronics Modules. <b>2005</b> , 127, 59-66	5
1638	Experimental Characterization of Film-Cooling Effectiveness Near Combustor Dilution Holes. <b>2005</b> , 1339	11
1637	Heat Transfer, Pressure Loss and Flow Field Measurements Downstream of Staggered Two-Row Circular and Elliptical Pin Fin Arrays. <b>2005</b> , 127, 458-471	55
1636	Nusselt Numbers and Flow Structure on and Above a Shallow Dimpled Surface Within a Channel Including Effects of Inlet Turbulence Intensity Level. <b>2005</b> , 127, 321-330	39
1635	Additive Adsorption and Interfacial Characteristics of Nucleate Pool Boiling in Aqueous Surfactant Solutions. <b>2005</b> , 127, 684-691	58
1634	Effects Of Dimple Depth on Channel Nusselt Numbers and Friction Factors. <b>2005</b> , 127, 839-847	123
1633	A Novel Semi-empirical Model for Evaluating Thermal Performance of Porous Metallic Foam Heat Sinks. <b>2005</b> , 127, 223-234	3
1632	Effects of Catalytic and Dry Low NOx Combustor Turbulence on Endwall Heat Transfer Distributions. <b>2005</b> , 127, 414-424	8
1631	Experimental Investigation of Flow Structure and Nusselt Number in a Low-Speed Linear Blade Passage With and Without Leading-Edge Fillets. <b>2005</b> , 127, 499-512	14
1630	Discrete Green's Function Measurements in Internal Flows. <b>2005</b> , 127, 692-698	13
1629	Effect of Hole Geometry on the Thermal Performance of Fan-Shaped Film Cooling Holes. <b>2005</b> , 127, 718-725	123
1628	Condensation of Ethylene Glycol on Integral-Fin Tubes: Effect of Fin Geometry and Vapor Velocity. <b>2005</b> , 127, 1197-1206	8
1627	Cooling of a Finned Cylinder by a Jet Flow of Air. <b>2005</b> , 127, 1416-1421	13
1626	Discrete Green's Function Measurements in a Single Passage Turbine Model. <b>2005</b> , 127, 366-377	11
1625	Heat Transfer in Water-Cooled Silicon Carbide Milli-Channel Heat Sinks for High Power Electronic Applications. <b>2005</b> , 127, 59-65	20

1624	Flow Boiling Heat Transfer of CO <sub>2</sub> at Low Temperatures in a Horizontal Smooth Tube. <b>2005</b> , 127, 1305-1312	29
1623	Development of an electrohydrodynamic injection micropump and its potential application in pumping fluids in cryogenic cooling systems. <b>2005</b> , 14, 747-755	44
1622	Similarity in the far field of a turbulent round jet. <b>2005</b> , 17, 025101	60
1621	Experimental Investigation of Local Heat Transfer in a Square Duct With Continuous and Truncated Ribs. <b>2005</b> , 18, 179-197	65
1620	A microfabricated wall shear-stress sensor with capacitive sensing. <b>2005</b> , 14, 167-175	34
1619	Small-Channel Flow Boiling of One-Component Fluids and an Ethylene Glycol/Water Mixture*View all notes. <b>2005</b> , 18, 243-257	11
1618	Investigations on the Packed Bed for High-Temperature Thermal Energy Storage. <b>2005</b> , 2, 337-351	10
1617	Experimental Investigation of Heat Transfer in Impingement Air Cooled Plate Fin Heat Sinks. <b>2005</b> ,	2
1616	The Influence of Gravity on Joint Shape for Through-Hole Soldering. <b>2005</b> ,	0
1615	An Experimental and Theoretical Investigation of the Effect of Flow Maldistribution on the Thermal Performance of Plate Heat Exchangers. <b>2005</b> , 127, 332-343	46
1614	Experimental support for Townsend's Reynolds number similarity hypothesis on rough walls. <b>2005</b> , 17, 035102	195
1613	Experimental Study of Fin Effectiveness and Local Convection Coefficients for Different Fin Forms. <b>2006</b> ,	
1612	Forced Convection Heat Transfer at the Heat Exchanger of the Thermoacoustic Refrigerating System. <b>2006</b> ,	
1611	Vortex trajectory hysteresis above self-formed vortex ripples. <b>2006</b> , 44, 437-450	16
1610	A label-free high throughput resistive-pulse sensor for simultaneous differentiation and measurement of multiple particle-laden analytes. <b>2006</b> , 16, 1530-1539	27
1609	Experimental Investigation of Mixed Convection in a Channel With an Open Cavity. <b>2006</b> , 19, 53-68	44
1608	Hydrodynamic Characteristics of a Novel Annular Spouted Bed with Multiple Air Nozzles. <b>2006</b> , 45, 4830-4836	10
1607	Performance of Plate Heat Exchangers for Evaporation of Ammonia. <b>2006</b> , 27, 45-55	38

1606	Influence of Loading Distribution on the Off-Design Performance of High-Pressure Turbine Blades. <b>2006</b> , 809		1
1605	A Comparison of Cylindrical and Fan-Shaped Film-Cooling Holes on a Vane Endwall at Low and High Freestream Turbulence Levels. <b>2006</b> , 25		5
1604	Experimental Analysis of Laminar-to-Turbulent Transition for Gas Flows in Smooth Microtubes. <b>2006</b> , 419		
1603	The Use of High Blockage Ribs to Enhance Heat Transfer Coefficient Distributions in a Model of an Integrally Cast Cooling Manifold. <b>2006</b> , 1027		1
1602	Heat Transfer and Film-Cooling Measurements on a Stator Vane With Fan-Shaped Cooling Holes. <b>2006</b> , 128, 53-61		40
1601	High Resolution Film Cooling Effectiveness Comparison of Axial and Compound Angle Holes on the Suction Side of a Turbine Vane. <b>2006</b> , 195		4
1600	Unsteady Aerodynamics and Interactions Between a High-Pressure Turbine Vane and Rotor. <b>2006</b> , 128, 35-42		6
1599	Optimization of an Innovative Rotary Shaft Pump (RSP). <b>2006</b> , 128, 1281-1288		2
1598	Separate Effects of Mach Number and Reynolds Number on Jet Array Impingement Heat Transfer. <b>2006</b> , 581		1
1597	Experimental Investigation on the Effect of Longitudinal Aspect Ratio on Natural Convection in Inclined Channels Heated Below. <b>2006</b> , 337		
1596	Film cooling performance on curved walls with compound angle hole configuration. <b>2001</b> , 934, 353-60		14
1595	Experimental study of the air side performance of louver and wave fin-and-tube coils. <i>Experimental Thermal and Fluid Science</i> , <b>2006</b> , 30, 621-631	3	10
1594	Measurements of heat transfer between particles and gas in packed beds at low to medium Reynolds numbers. <i>Experimental Thermal and Fluid Science</i> , <b>2006</b> , 30, 545-558	3	22
1593	Friction characteristics of compressible gas flows in microtubes. <i>Experimental Thermal and Fluid Science</i> , <b>2006</b> , 30, 733-744	3	33
1592	Structure of turbulent heat flux in a flow over a heated wavy wall. <b>2006</b> , 49, 3514-3529		27
1591	Effects of winglets to augment tube wall heat transfer in louvered fin heat exchangers. <b>2006</b> , 49, 4058-4069		39
1590	Heat transfer and thermal performance analysis of a surface with hollow rectangular fins. <b>2006</b> , 26, 209-216		27
1589	An experimental investigation of the port flow maldistribution in small and large plate package heat exchangers. <b>2006</b> , 26, 1919-1926		52

1588	Experimental study on friction factor and numerical simulation on flow and heat transfer in an alternating elliptical axis tube. <b>2006</b> , 26, 2336-2344	35
1587	Parameter sensitivity examination and discussion of PEM fuel cell simulation model validation: Part II: Results of sensitivity analysis and validation of the model. <b>2006</b> , 160, 374-385	60
1586	Spectral-Directional Emittance of 99.99% Aluminum, Thermally Oxidized Below Its Melting Point. <b>2006</b> , 27, 554-568	7
1585	High temperature, spectral-directional emittance of high purity nickel oxidized in air. <b>2006</b> , 41, 7240-7246	5
1584	Velocity-defect scaling for turbulent boundary layers with a range of relative roughness. <b>2006</b> , 40, 188-195	54
1583	Confidence intervals in the determination of turbulence parameters. <b>2006</b> , 40, 514-522	53
1582	Experimental two-phase pressure gradients during evaporation of pure and mixed refrigerants in a smooth horizontal tube. Comparison with correlations. <b>2006</b> , 42, 709-725	27
1581	Liquid crystal thermography and true-colour digital image processing. <b>2006</b> , 38, 243-256	53
1580	Refrigerant mass charge distribution in a domestic refrigerator, Part I: Transient conditions. <b>2006</b> , 26, 829-837	45
1579	Refrigerant mass charge distribution in a domestic refrigerator. Part II: steady state conditions. <b>2006</b> , 26, 866-871	25
1578	Experimental evaluation of a domestic refrigerator working with LPG. <b>2006</b> , 26, 1593-1603	62
1577	Experimental validation of large eddy simulations of flow and heat transfer in a stationary ribbed duct. <b>2006</b> , 27, 243-258	80
1576	Simultaneous heat and mass transfer characteristics for wavy fin-and-tube heat exchangers under dehumidifying conditions. <b>2006</b> , 49, 132-143	63
1575	Parametric investigation of cylinder and jacket side convective heat transfer coefficients of gasoline engines. <b>2006</b> , 47, 800-816	31
1574	Modelling of a cascade refrigeration system using artificial neural network. <b>2006</b> , 30, 1200-1215	38
1573	Enhanced Thermal-Hydraulic Performance of a Wavy-Plate-Fin Compact Heat Exchanger: Effect of Corrugation Severity. <b>2006</b> , 701	5
1572	Effects of Surface Deposition, Hole Blockage, and TBC Spallation on Vane Endwall Film-Cooling. <b>2006</b> , 407	6
1571	An Experimental and Computational Sensitivity Analysis of Synthetic Jet Cooling Performance. <b>2006</b> , 93	11



1570	High Resolution Film Cooling Effectiveness Measurements of Axial Holes Embedded in a Transverse Trench With Various Trench Configurations. <b>2006</b> , 205	23
1569	Aerodynamic Losses of a Cambered Turbine Vane: Influences of Surface Roughness and Freestream Turbulence Intensity. <b>2006</b> , 128, 536-546	23
1568	Experimental Investigation of Heat Transfer in Impingement Air Cooled Plate Fin Heat Sinks. <b>2006</b> , 128, 412-418	25
1567	Cooling Performance of Using a Confined Slot Jet Impinging onto Heated Heat Sinks. <b>2006</b> , 128, 82-91	9
1566	Influence of Surface Roughness on the Aerodynamic Losses of a Turbine Vane. <b>2006</b> , 128, 568-578	12
1565	Turbulent Transport in Pin Fin Arrays: Experimental Data and Predictions. <b>2006</b> , 128, 71-81	51
1564	Experimental Measurements of the Flow and Heat Transfer of a Square Jet Impinging on an Array of Square Pin Fins. <b>2006</b> , 128, 61-70	26
1563	Experimental Investigation of Droplet Dynamics on Solid Surfaces: Spreading and Recoil Effects. <b>2006</b> , 583	3
1562	Measurement of Total Hemispherical Emittance and Specific Heat of Aluminum and Inconel 718 by a Calorimetric Technique. <b>2006</b> , 128, 302-306	23
1561	Natural Convection Measurements for a Concentric Spherical Enclosure. <b>2006</b> , 128, 580-587	13
1560	Detection and counting of micro-scale particles and pollen using a multi-aperture Coulter counter. <b>2006</b> , 17, 1706-1714	57
1559	Correlation Equation for Heat Transfer Coefficients for Circular Pin Fins. <b>2006</b> , 34, 211-219	2
1558	Drag and Heat Transfer Reduction Phenomena of Drag-Reducing Surfactant Solutions in Straight and Helical Pipes. <b>2006</b> , 128, 800-810	33
1557	Effect of Midpassage Gap, Endwall Misalignment, and Roughness on Endwall Film-Cooling. <b>2006</b> , 128, 62-70	49
1556	Enhancement of Heat Transfer in a Circular Tube With Tangential Swirl Generators. <b>2006</b> , 19, 81-93	19
1555	Wavelet multiresolution analysis of the three vorticity components in a turbulent far wake. <b>2006</b> , 73, 036307	7
1554	Validation of Local Similarity Solutions to Conjugate Free Convection for Vertical Plate. <b>2007</b> , 21, 720-729	
1553	Heat Transfer in Oscillating Circular Pipes. <b>2007</b> , 20, 73-84	4

1552	Void Fraction Variations in a Fractal-Like Branching Microchannel Network. <b>2007</b> , 28, 806-816	13
1551	Examination of a critical roughness height for outer layer similarity. <b>2007</b> , 19, 095104	129
1550	Spray flash evaporator for low-temperature saline water desalination application. <b>2007</b> , 2, 393	1
1549	Aerodynamic Measurements in a Linear Turbine Blade Passage With Three-Dimensional Endwall Contouring. <b>2007</b> , 855	12
1548	Gill Slot Trailing Edge Aerodynamics: Effects of Blowing Rate, Reynolds Number, and External Turbulence on Aerodynamics Losses and Pressure Distribution. <b>2007</b> , 363	3
1547	Separate Effects of Mach Number and Reynolds Number on Jet Array Impingement Heat Transfer. <b>2007</b> , 129, 269-280	40
1546	Investigation of Velocity Profiles for Effusion Cooling of a Combustor Liner. <b>2007</b> , 129, 518-526	42
1545	High-Resolution Film Cooling Effectiveness Comparison of Axial and Compound Angle Holes on the Suction Side of a Turbine Vane. <b>2007</b> , 129, 202-211	17
1544	Effects of Surface Deposition, Hole Blockage, and Thermal Barrier Coating Spallation on Vane Endwall Film Cooling. <b>2007</b> , 129, 599-607	38
1543	Pressure Drop of Impingement Air Cooled Plate Fin Heat Sinks. <b>2007</b> , 129, 190-194	8
1542	Discrete Green's Function Measurements in a Serpentine Cooling Passage. <b>2007</b> , 129, 1686-1696	9
1541	Optically Based Rapid Heat Transfer Measurements in Complex Internal Flows. <b>2007</b> , 129, 1655-1665	2
1540	Experimental Investigation on Port-to-Channel Flow Maldistribution in Plate Heat Exchangers. <b>2007</b> , 28, 435-443	24
1539	Fabrication of a Complicated Heat Transfer Microchannel System for CPU Cooling Study. <b>2007</b> ,	
1538	High-Resolution Film Cooling Effectiveness Measurements of Axial Holes Embedded in a Transverse Trench With Various Trench Configurations. <b>2007</b> , 129, 294-302	65
1537	A Fully Wet and Fully Dry Tiny Circular Fin Method for Heat and Mass Transfer Characteristics for Plain Fin-and-Tube Heat Exchangers Under Dehumidifying Conditions. <b>2007</b> , 129, 1256-1267	12
1536	Area-Averaged Void Fraction Analysis of Flow Boiling in a Microscale Branching Channel Network. <b>2007</b> , 335	2
1535	Experimental and Computational Comparisons of Fan-Shaped Film Cooling on a Turbine Vane Surface. <b>2007</b> , 129, 23-31	32

1534	Influence of Loading Distribution on the Off-Design Performance of High-Pressure Turbine Blades. <b>2007</b> , 129, 563-571	3
1533	Convective Cooling of a PCB Like Surface With Mixed Heating Conditions in a Vertical Channel. <b>2007</b> , 129, 129-143	2
1532	Influence of Boundary Layer Behavior on Aerodynamic Coefficients of a Swept-Back Wing. <b>2007</b> , 129, 674-681	5
1531	Effect of Hole Spacing on Jet Array Impingement Heat Transfer. <b>2007</b> , 963	3
1530	Experimental Investigation of Secondary Flow Structure in a Blade Passage With and Without Leading Edge Fillets. <b>2007</b> , 129, 253-262	20
1529	Flowfield in a Film-Cooled Three-Dimensional Contoured Endwall Passage: Aerodynamic Measurements. <b>2007</b> , 871	7
1528	Effect of Temperature Ratio on Jet Array Impingement Heat Transfer. <b>2007</b> , 977	
1527	The Effects of Varying the Combustor-Turbine Gap. <b>2007</b> , 129, 756-764	44
1526	Effects of Deposits on Film Cooling of a Vane Endwall Along the Pressure Side. <b>2007</b> ,	1
1525	Uncertainty Analysis Applied to Feedforward Neural Networks. <b>2007</b> , 54, 114-124	
1524	Heat transfer and pressure drop correlations for the multi-louvered fin compact heat exchangers. <b>2007</b> , 48, 1506-1515	93
1523	An Experimental Investigation of Free Cooling by Natural Convection of Vertical Surfaces for Building Integrated Photovoltaic (BIPV) Applications. <b>2007</b> ,	2
1522	Analysis of Heat Transfer from Flat Surface due to Circular Jet Impingement. <b>2007</b> ,	
1521	Heat and Mass Transfer Characteristics for Finned Tube Heat Exchangers with Humidification. <b>2007</b> , 21, 361-371	13
1520	Natural Convection Heat Transfer From Horizontal Rectangular Ducts. <b>2007</b> , 129, 1195-1202	12
1519	Mixing Characteristics of a Novel Annular Spouted Bed with Several Angled Air Nozzles. <b>2007</b> , 46, 8248-8254	4
1518	Experimental Investigations on Airside Performance of Heat Sinks Having Pin Fin Configurations. <b>2007</b> ,	
1517	Influence of Bypass on Flow Through Plate Fin Heat Sinks. <b>2007</b> ,	3

1516	Flow and Heat Transfer in Rough Micro Steel Tubes. <b>2007</b> , 20, 289-306	21
1515	An Experimental Investigation of Single-Phase Heat Transfer in 0.045mm to 0.141 mm Microtubes. <b>2007</b> , 11, 333-349	6
1514	Mass-Transfer Efficiency of Membrane Extraction in Laminar Flow between Parallel-Plate Channels: Theoretical and Experimental Studies. <b>2007</b> , 46, 7788-7801	2
1513	Performance Improvement of a Power Conversion Module by Liquid Micro-Jet Impingement Cooling. <b>2007</b> , 30, 309-316	32
1512	Attenuation of Low-Speed Flow-Induced Cavity Tones Using Plasma Actuators. <b>2007</b> , 45, 1525-1538	38
1511	BENCH FLOW - A LOW COST CONFECTION. <b>2007</b> ,	
1510	Assessing Uncertainties in Friction Factor Measurement as a Tool in Devising Experimental Set-Ups. <b>2007</b> ,	
1509	Experimental and Analytical Characterization of Copper Fin Patterns for Heat Sinks in Liquid Cooling Loops for Motor Drives. <b>2007</b> ,	1
1508	Near-Field Flow Measurements of a Cavitating Jet Emanating From a Crown-Shaped Nozzle. <b>2007</b> , 129, 605-612	3
1507	Air-side thermal hydraulic performance of offset strip fin aluminum heat exchangers. <b>2007</b> , 27, 306-313	71
1506	An investigation into feasibility of impingement heat transfer and acoustic abatement of meso scale synthetic jets. <b>2007</b> , 27, 1483-1494	85
1505	An axial heat transfer analytical model for capillary-pumped loop vapor line temperature distributions. <b>2007</b> , 27, 2086-2094	8
1504	Determination of soot scattering coefficient from extinction and three-angle scattering in a laminar diffusion flame. <b>2007</b> , 149, 206-216	40
1503	Heat transfer enhancement in circular tubes using helical swirl generator insert at the entrance. <b>2007</b> , 46, 1297-1303	45
1502	Construction and testing of a wet-compression absorption carbon dioxide refrigeration system for vehicle air conditioner. <b>2007</b> , 27, 31-36	12
1501	Dynamic characteristics of an air-to-water heat pump under frosting/defrosting conditions. <b>2007</b> , 27, 1996-2002	29
1500	Cooling of two smooth cylinders in row by a slot jet of air with low turbulence. <b>2007</b> , 27, 2415-2425	22
1499	Investigation of heat transfer and exergy loss in oscillating circular pipes. <b>2007</b> , 34, 93-102	5

1498	The effects of different entrance sections lengths and heating on free and forced convective heat transfer inside a horizontal circular tube. <b>2007</b> , 34, 769-784		11
1497	Influence of hole shape on the performance of a turbine vane endwall film-cooling scheme. <b>2007</b> , 28, 341-356		19
1496	Infrared thermography investigation of local heat transfer in a plate fin and two-tube rows assembly. <b>2007</b> , 28, 988-1002		40
1495	Effects of Mach number and Reynolds number on jet array impingement heat transfer. <b>2007</b> , 50, 367-380		51
1494	Finite circular fin method for heat and mass transfer characteristics for plain fin-and-tube heat exchangers under fully and partially wet surface conditions. <b>2007</b> , 50, 552-565		42
1493	Experimental investigation on natural convection in horizontal channels with the upper wall at uniform heat flux. <b>2007</b> , 50, 1075-1086		19
1492	Enhancement of pool boiling critical heat flux in dielectric liquids by microporous coatings. <b>2007</b> , 50, 997-1009		86
1491	Subcooled flow boiling CHF enhancement with porous surface coatings. <b>2007</b> , 50, 3649-3657		79
1490	Experimental investigation on natural convection in a convergent channel with uniformly heated plates. <b>2007</b> , 50, 2772-2786		8
1489	On the heat transfer characteristics of heat sinks: Influence of fin spacing at low Reynolds number region. <b>2007</b> , 50, 2667-2674		24
1488	Flow boiling of liquid nitrogen in micro-tubes: Part I The onset of nucleate boiling, two-phase flow instability and two-phase flow pressure drop. <b>2007</b> , 50, 4999-5016		77
1487	Influence of lubricant oil on heat transfer performance of refrigerant flow boiling inside small diameter tubes. Part I: Experimental study. <i>Experimental Thermal and Fluid Science</i> , <b>2007</b> , 32, 67-76	3	26
1486	Two-phase frictional pressure drop in small rectangular channels. <i>Experimental Thermal and Fluid Science</i> , <b>2007</b> , 32, 60-66	3	20
1485	Visualization of heat transfer for impinging swirl flow. <i>Experimental Thermal and Fluid Science</i> , <b>2007</b> , 32, 182-191	3	34
1484	Particle image velocimetry measurements for opposing flow in a vertical channel with a differential and asymmetric heating condition. <i>Experimental Thermal and Fluid Science</i> , <b>2007</b> , 32, 262-275	3	13
1483	Experimental analysis of local void fractions measurements for boiling hydrocarbons in complex geometry. <b>2007</b> , 33, 371-393		40
1482	Two-phase flow in a horizontal equal-sided impacting tee junction. <b>2007</b> , 33, 411-431		38
1481	CO <sub>2</sub> and R410A flow boiling heat transfer, pressure drop, and flow pattern at low temperatures in a horizontal smooth tube. <b>2007</b> , 30, 166-178		80

1480	Flow boiling heat transfer characteristics of CO <sub>2</sub> at low temperatures. <b>2007</b> , 30, 937-945	29
1479	Airside heat transfer and friction characteristics for enhanced fin-and-tube heat exchanger with hydrophilic coating under wet conditions. <b>2007</b> , 30, 1153-1167	49
1478	Comparison of experimental pressure drop data for two phase flows to prediction methods using a general model. <b>2007</b> , 30, 1358-1367	26
1477	Condensation Heat Transfer of R-134A in Horizontal Straight and Helically Coiled Tube-in-Tube Heat Exchangers. <b>2007</b> , 19, 677-682	40
1476	Analysis and simulation of mobile air conditioning system coupled with engine cooling system. <b>2007</b> , 48, 1176-1184	2
1475	Efficiency and emissions of a new domestic gas burner with a swirling flame. <b>2007</b> , 48, 1401-1410	43
1474	Heat transfer performance during condensation of R-134a inside helicoidal tubes. <b>2007</b> , 48, 2309-2315	27
1473	Effects of hydrophilic coating on air side heat transfer and friction characteristics of wavy fin and tube heat exchangers under dehumidifying conditions. <b>2007</b> , 48, 2525-2532	28
1472	Flow characteristics along and above dimpled surfaces with three different dimple depths within a channel. <b>2007</b> , 21, 1901-1909	12
1471	Experimental investigation of local heat transfer in a square duct with various-shaped ribs. <b>2007</b> , 43, 759-766	104
1470	Experimental investigation of mixed convection in a rectangular duct with a heated plate in the middle of cross section. <b>2007</b> , 43, 1283-1291	9
1469	Two-phase frictional pressure drop of R-134a and R-410A refrigerant-oil mixtures in straight tubes and U-type wavy tubes. <i>Experimental Thermal and Fluid Science</i> , <b>2007</b> , 31, 291-299	3 12
1468	Oscillatory thermal structures induced by unconfined slot jet impingement. <i>Experimental Thermal and Fluid Science</i> , <b>2007</b> , 32, 682-695	3 7
1467	Experimental investigation on melting characteristics of ethanalamine-water binary mixture used as PCM. <b>2007</b> , 34, 1056-1063	19
1466	Condensation heat transfer and pressure drop of R134a in annular helicoidal pipe at different orientations. <b>2007</b> , 50, 4256-4264	21
1465	Conductive heat transfer across a bolted automotive joint and the influence of interface conditioning. <b>2007</b> , 50, 4833-4844	5
1464	A comparative study of the airside performance of heat sinks having pin fin configurations. <b>2007</b> , 50, 4661-4667	45
1463	Experimental transient performance of a heat pump equipped with a distillation column. <b>2007</b> , 30, 499-505	3

1462	Numerical simulation of dehumidifying fin-and-tube heat exchangers: Semi-analytical modelling and experimental comparison. <b>2007</b> , 30, 1266-1277	8
1461	Friction factor correlation and pressure loss of single-phase flow inside herringbone microfin tubes. <b>2007</b> , 30, 1187-1194	11
1460	Experimental study on forced convective heat transfer characteristics in quartz microtube. <b>2007</b> , 46, 139-148	24
1459	Single-phase heat transfer in the high temperature multiple porous insulation. <b>2007</b> , 27, 1352-1362	10
1458	Heat transfer and pressure drop correlations for the wavy fin and flat tube heat exchangers. <b>2007</b> , 27, 2066-2073	121
1457	Experimental study on the heat transfer at the heat exchanger of the thermoacoustic refrigerating system. <b>2007</b> , 27, 2435-2442	41
1456	Defrost improvement by heat pump refrigerant charge compensating. <b>2008</b> , 85, 1050-1059	47
1455	Design and fabrication of coaxial surface junction thermocouples for transient heat transfer measurements. <b>2008</b> , 35, 853-859	43
1454	Heat transfer enhancement on a flat surface with axisymmetric detached ribs by normal impingement of circular air jet. <b>2008</b> , 29, 1279-1294	45
1453	Finite circular fin method for wavy fin-and-tube heat exchangers under fully and partially wet surface conditions. <b>2008</b> , 51, 4002-4017	19
1452	Heat transfer coefficients and pressure drops during in-tube condensation of CO <sub>2</sub> /DME mixture refrigerant. <b>2008</b> , 31, 1458-1466	34
1451	Measurements of Heat Capacity of Pure Titanium and Zirconium by Electromagnetic Levitation. <b>2008</b> , 29, 1997-2005	6
1450	Experimental investigations on the effect of energy deposition in hypersonic blunt body flow field. <b>2008</b> , 18, 53-70	23
1449	Experimental study on the condensation of ethanol/water mixtures on vertical tube. <b>2008</b> , 44, 607-616	21
1448	Convective heat transfer in single-phase flow in a vertical tube subjected to axial low frequency oscillations. <b>2008</b> , 44, 857-864	54
1447	Pool boiling enhancement with surface treatments. <b>2008</b> , 45, 55-60	23
1446	The effect of slot jet size on the confined transverse slot jet. <b>2008</b> , 45, 13-26	9
1445	Thermal-hydraulic performance of novel louvered fin using flat tube cross-flow heat exchanger. <b>2008</b> , 2, 99-106	1

1444	Flow and heat transfer in compact offset strip fin surfaces. <b>2008</b> , 2, 291-297		3
1443	Experimental performance investigation of a horizontal ground source compression refrigeration machine. <b>2008</b> , 32, 44-56		12
1442	Experimental investigations on single stage, two stage and three stage conventional Savonius rotor. <b>2008</b> , 32, 877-895		95
1441	Flow distribution property of the constructal distributor and heat transfer intensification in a mini heat exchanger. <b>2008</b> , 54, 2796-2808		37
1440	Flow and pressure drop fluctuations in a vertical tube subject to low frequency oscillations. <b>2008</b> , 238, 178-187		85
1439	Normal emissivity of high-purity nickel at temperatures between 1440 and 1605K. <b>2008</b> , 69, 133-138		15
1438	Experimental study of constructal distributor for flow equidistribution in a mini crossflow heat exchanger (MCHE). <b>2008</b> , 47, 229-236		46
1437	An experimental investigation of gas-liquid two-phase flow in single microchannel contactors. <b>2008</b> , 63, 4189-4202		136
1436	Critical heat flux of R-407C in upflow boiling in a vertical pipe. <b>2008</b> , 28, 1058-1065		11
1435	Two-phase frictional pressure drop measurements in U-type wavy tubes subject to horizontal and vertical arrangements. <b>2008</b> , 28, 847-855		15
1434	Measurement and correlation of frictional two-phase pressure drop of R410A/POE oil mixture flow boiling in a 7mm straight micro-fin tube. <b>2008</b> , 28, 1272-1283		17
1433	Heat transfer characteristics of R410A-oil mixture flow boiling inside a 7mm straight smooth tube. <i>Experimental Thermal and Fluid Science</i> , <b>2008</b> , 32, 857-869	3	21
1432	Experimental natural convection on vertical surfaces for building integrated photovoltaic (BIPV) applications. <i>Experimental Thermal and Fluid Science</i> , <b>2008</b> , 32, 980-990	3	91
1431	DC magnetic field effect on a liquid sodium channel flow. <b>2008</b> , 238, 280-284		4
1430	Development of two-phase flow downstream of a horizontal sudden expansion. <b>2008</b> , 29, 194-206		32
1429	Numerical study on laminar convection heat transfer in a channel with longitudinal vortex generator. Part B: Parametric study of major influence factors. <b>2008</b> , 51, 3683-3692		116
1428	A new critical heat flux correlation for vertical water flow through multiple thin rectangular channels. <b>2008</b> , 51, 1071-1084		9
1427	Flow boiling CHF enhancement with surfactant solutions under atmospheric pressure. <b>2008</b> , 51, 1913-1919		30



1426	Heat transfer augmentation along the tube wall of a louvered fin heat exchanger using practical delta winglets. <b>2008</b> , 51, 2346-2360	38
1425	Convective boiling of pure and mixed refrigerants: An experimental study of the major parameters affecting heat transfer. <b>2008</b> , 51, 896-909	59
1424	Effects of duct inclination angle on thermal entrance region of laminar and transition mixed convection. <b>2008</b> , 51, 3953-3962	16
1423	Experimental study and theoretical analysis of local heat transfer distribution between smooth flat surface and impinging air jet from a circular straight pipe nozzle. <b>2008</b> , 51, 4480-4495	200
1422	Effects of hole spacing on spatially-resolved jet array impingement heat transfer. <b>2008</b> , 51, 6243-6253	58
1421	Experimental investigation of the onsets of gas and liquid entrainment from a small branch mounted on an inclined wall. <b>2008</b> , 34, 905-915	16
1420	Heat transfer characteristics of R410A/Bil mixture flow boiling inside a 7mm straight microfin tube. <b>2008</b> , 31, 1081-1093	46
1419	Flow boiling heat transfer at low flux conditions in a domestic refrigerator evaporator. <b>2008</b> , 31, 1021-1032	7
1418	Comparative analysis of an evaporative condenser using artificial neural network and adaptive neuro-fuzzy inference system. <b>2008</b> , 31, 1426-1436	62
1417	Heat transfer coefficient and pressure drop during refrigerant R-134a condensation in a plate heat exchanger. <b>2008</b> , 62,	13
1416	Experimental study on particles mixing in an annular spouted bed. <b>2008</b> , 49, 257-266	15
1415	Comparison of R407C and R417A heat transfer coefficients and pressure drops during flow boiling in a horizontal smooth tube. <b>2008</b> , 49, 1629-1636	22
1414	Effects of air flow maldistribution on refrigeration system dynamics of air source heat pump chiller under frosting conditions. <b>2008</b> , 49, 1645-1651	20
1413	Laminar mixed convection heat transfer in a vertical circular tube under buoyancy-assisted and opposed flows. <b>2008</b> , 49, 2006-2015	22
1412	Thermal and Fluid Dynamic Simulation of Automotive Fin-and-Tube Heat Exchangers, Part 2: Experimental Comparison. <b>2008</b> , 29, 495-502	11
1411	Perforated Fairings for Landing Gear Noise Control. <b>2008</b> ,	3
1410	Experimental Investigations on the Flow of Nanofluids Through Circular Pipes. <b>2008</b> ,	
1409	Exergy Analysis of Data Center Thermal Management Systems. <b>2008</b> , 130,	42

1408	Experimental Investigation of Opposing Mixed Convection in a Channel with an open Cavity Below. <b>2008</b> , 21, 99-114	25
1407	Thermal Energy Storage Behavior of CaCl <sub>2</sub> .6H <sub>2</sub> O during Melting and Solidification. <b>2008</b> , 30, 775-787	37
1406	Experimental Facility for the Study of Liquid Overfeed Fin-and-Tube Evaporators: Validation of Numerical Models. <b>2008</b> , 14, 221-238	
1405	Local Heat Transfer Coefficients of a High-Frequency Synthetic Jet during Impingement Cooling over Flat Surfaces. <b>2008</b> , 29, 763-773	72
1404	Nanostructured polymer-metal composite for thermal interface material applications. <b>2008</b> ,	10
1403	The Effect of Combustor-Turbine Interface Gap Leakage on the Endwall Heat Transfer for a Nozzle Guide Vane. <b>2008</b> , 130,	29
1402	Experimental uncertainties analysis as a tool for friction factor determination in microchannels. <b>2008</b> , 222, 817-827	2
1401	HEAT TRANSFER MEASUREMENTS OF MIXED CONVECTION FOR UPWARD AND DOWNWARD LAMINAR FLOWS INSIDE A VERTICAL CIRCULAR CYLINDER. <b>2008</b> , 21, 1-23	5
1400	Analytic and Experimental Investigation of Dihedral Configurations of Three-Winglet Planforms. <b>2008</b> , 130,	3
1399	A Comparison of Cylindrical and Fan-Shaped Film-Cooling Holes on a Vane Endwall at Low and High Freestream Turbulence Levels. <b>2008</b> , 130,	33
1398	Experimental Validation of Analytical Solutions for Vertical Flat Plate of Finite Thickness Under Natural-Convection Cooling. <b>2008</b> , 130,	3
1397	An Experimental and Computational Heat Transfer Study of Pulsating Jets. <b>2008</b> , 130,	24
1396	Improving the Performance of a Bent Ejector With Inlet Swirl. <b>2008</b> , 130,	4
1395	Effects of Deposits on Film Cooling of a Vane Endwall Along the Pressure Side. <b>2008</b> , 130,	1
1394	Heat Exchanger Analysis Modified to Account for a Heat Source. <b>2008</b> , 130,	2
1393	Pipeline Batch Cut Optimization by Taking Into Account the Quality of the Products at the Tanks. <b>2008</b> ,	
1392	Influence of Spanwise Pitch on Local Heat Transfer for Multiple Jets with Crossflow. <b>2008</b> , 22, 654-668	5
1391	Adiabatic Horizontal and Vertical Pressure Drop of Carbon Dioxide Inside Smooth and Microfin Tubes at Low Temperatures. <b>2008</b> , 130,	8

1390	EXPERIMENTAL INVESTIGATION ON THE HEAT TRANSFER OF TURBULENT FLOW IN A PIPE OSCILLATING AT LOW FREQUENCIES. <b>2008</b> , 21, 24-37	3
1389	Oil consumption studies in a single-cylinder diesel engine using solid-film lubricants. <b>2008</b> , 222, 593-600	3
1388	Fluid Flow and Heat Transfer in Duct Fan Flows with Top-Wall Rectangular-Wing Turbulators. <b>2008</b> , 24, N15-N19	
1387	Experimental Apparatus for Measurements of Two-Phase Slug Flow Pressure Drop in a T-Junction. <b>2008</b> , 36, 184-192	
1386	Effect of Bubble Turbulence and Submergence on Boiling Incipience in Vertical Thermosiphon Reboiler. <b>2008</b> , 29, 306-320	2
1385	Preparation of polymer-metal nanocomposite films and performance evaluation as thermal interface material. <b>2008</b> ,	0
1384	Natural Convection Heat Transfer From Vertical Square Ducts. <b>2008</b> ,	2
1383	Suction-Side Gill-Region Film Cooling: Effects of Hole Shape and Orientation on Adiabatic Effectiveness and Heat Transfer Coefficient. <b>2008</b> ,	2
1382	The Experimental Investigation of Fouling Phenomenon in Tubular Heat Exchangers by Heat Transfer Resistance Monitoring (HTRM) Method. <b>2008</b> ,	1
1381	Bump and Trench Modifications to Film-Cooling Holes at the Vane-Endwall Junction. <b>2008</b> , 130,	23
1380	Experimental Testing of a Thermoelectric-Based Hydronic Cooling and Heating Device With Transient Charging of Sensible Thermal Energy Storage Water Tank. <b>2008</b> ,	
1379	Aerodynamics of a Letterbox Trailing Edge: Effects of Blowing Rate, Reynolds Number, and External Turbulence on Aerodynamic Losses and Pressure Distribution. <b>2008</b> ,	2
1378	Laminar, Transitional and Turbulent Friction Factors for Gas Flows in Smooth and Rough Microtubes. <b>2008</b> ,	2
1377	Film-Cooling Flowfields With Trenched Holes on an Endwall. <b>2008</b> ,	3
1376	Study of Drag Force Applied In the Body of a Super Economic Vehicle. <b>2008</b> ,	
1375	Aerodynamic Performance of Suction-Side Gill Region Film Cooling. <b>2008</b> ,	2
1374	The radioactivity analysis of <sup>14</sup> C and <sup>3</sup> H in graphite from the dismantled korea research reactor and its dose estimation. <b>2009</b> , 44, 59-63	
1373	The Effect of the Combustor-Turbine Slot and Mid-Passage Gap on Vane Endwall Heat Transfer. <b>2009</b> ,	

1372	Aerodynamics of a Covered Trailing Edge Vane: Effects of Blowing Rate, Reynolds Number, and External Turbulence. <b>2009</b> ,	1
1371	Influence of Streamwise Pitch on Local Heat Transfer Distribution for In-Line Arrays of Circular Jets with Spent Air Flow in Two Opposite Directions. <b>2009</b> , 22, 228-256	5
1370	Investigations on the Effect of Backward-Facing and Forward-Facing Steps on Turbulent Mixed-Convection Flow Over a Flat Plate. <b>2009</b> , 22, 117-127	11
1369	Bluff Body Noise Control Using Perforated Fairings. <b>2009</b> , 47, 33-43	30
1368	Influence of nozzle sharpness on the flow fields of V-notched nozzle jets. <b>2009</b> , 21, 084107	27
1367	Heat Transfer and Pressure Measurements on a Thick Airfoil. <b>2009</b> , 46, 2130-2138	4
1366	Appendix E: Asymmetric Systematic Uncertainties. 285-297	
1365	Bayesian Framework for Calibration of Gas Turbine Simulator. <b>2009</b> , 25, 987-992	9
1364	Experimental Study of Oblong Exhaust Ejectors With Multiring Oblong Entraining Diffusers. <b>2009</b> , 131,	5
1363	A Simplified Approach for Predicting the Intermittent Behavior of Gas-Liquid Mixtures in Pipes. <b>2009</b> , 131,	
1362	Effect of Temperature Ratio on Jet Array Impingement Heat Transfer. <b>2009</b> , 131,	23
1361	Forced Convection Heat Transfer in Channels With Rib Turbulators Inclined at 45 deg. <b>2009</b> , 131,	10
1360	Film-Cooling Flowfields With Trenched Holes on an Endwall. <b>2009</b> , 131,	25
1359	Dynamics of Swirling Flow in a Dump Combustor at Elevated Pressures. <b>2009</b> ,	
1358	Experimental Investigation of Radiation Effects on Natural Convection in Horizontal Channels Heated From Above. <b>2009</b> , 131,	7
1357	Flow Boiling Heat Transfer, Pressure Drop, and Flow Pattern for CO <sub>2</sub> in a 3.5mm Horizontal Smooth Tube. <b>2009</b> , 131,	4
1356	Natural Convection Heat Transfer From Vertical Triangular Ducts. <b>2009</b> ,	2
1355	Effects of Large Scale High Freestream Turbulence and Exit Reynolds Number on Turbine Vane Heat Transfer in a Transonic Cascade. <b>2009</b> , 131,	27

1354	Flow Dynamics and Film Cooling Effectiveness on a Non-Axisymmetric Contour Endwall in a Two-Dimensional Cascade Passage. <b>2009</b> ,	5
1353	Model Testing of Single- and Three-Stage Modified Savonius Rotors and Viability Study of Modified Savonius Pump Rotor Systems. <b>2009</b> , 6, 22-41	9
1352	Turbulent boundary layers on a systematically varied rough wall. <b>2009</b> , 21, 015104	108
1351	Gill Slot Trailing Edge Aerodynamics: Effects of Blowing Rate, Reynolds Number, and External Turbulence on Aerodynamic Losses and Pressure Distribution. <b>2009</b> , 131,	6
1350	Theoretical and experimental investigation of an organic Rankine cycle for a waste heat recovery system. <b>2009</b> , 223, 523-533	51
1349	Local heat transfer coefficients during the evaporation of 1,1,1,2-tetrafluoroethane (R-134a) in a plate heat exchanger. <b>2009</b> , 74, 427-440	4
1348	Local heat transfer coefficients and pressure gradients for R-134a during flow boiling at temperatures between 0°C and +20°C. <b>2009</b> , 50, 1714-1721	16
1347	Experiments during flow boiling of a R22 drop-in: R422D adiabatic pressure gradients. <b>2009</b> , 50, 2613-2621	10
1346	Vortex combustion in a low aspect ratio dump combustor with tapered exit. <b>2009</b> , 50, 2983-2991	3
1345	Dehumidification effects in the superheated region (SPR) of a direct expansion (DX) air cooling coil. <b>2009</b> , 50, 3063-3070	8
1344	Comparison between hot-gas bypass defrosting and reverse-cycle defrosting methods on an air-to-water heat pump. <b>2009</b> , 86, 1697-1703	75
1343	Experimental study on the performance of the thermoacoustic refrigerating system. <b>2009</b> , 29, 2672-2679	26
1342	Structural optimization and experimental investigation of supersonic ejectors for boosting low pressure natural gas. <b>2009</b> , 29, 2799-2807	31
1341	Pressure drop during horizontal flow boiling of R410A/oil mixture in 5mm and 3mm smooth tubes. <b>2009</b> , 29, 3353-3365	19
1340	Experimental study of horizontal ground source heat pump performance for mild climate in Turkey. <b>2009</b> , 34, 1284-1295	80
1339	Carbon dioxide local heat transfer coefficients during flow boiling in a horizontal circular smooth tube. <b>2009</b> , 52, 4184-4194	26
1338	Experimental Study on Oscillatory Natural Convection in a Hele-Shaw Cell due to Unstably Heated Side. <b>2009</b> , 76, 363-375	7
1337	Experimental study on pressure and temperature distributions for low mass flux steam jet in subcooled water. <b>2009</b> , 52, 1493-1501	5

- 1336 Mathematical modelling of combined diffusion of heat and mass transfer through fabrics. **2009**, 10, 252-259 9
- 1335 On the vorticity characteristics of lobe-forced mixer at different configurations. **2009**, 46, 1049-1066 22
- 1334 On hot-wire diagnostics in Rayleigh-Taylor mixing layers. **2009**, 47, 49-68 10
- 1333 Heat transfer in pool boiling of binary and ternary non-azeotropic mixtures. **2009**, 45, 951-958 4
- 1332 Experimental study on influence of microscale effects on liquid flow characteristic in microtubes. **2009**, 45, 297-304 4
- 1331 Heat transfer and pressure drop of R-134a condensation in a coiled, double tube. **2009**, 45, 1107-1115 24
- 1330 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. **2009**, 45, 1167-1184 15
- 1329 Experimental investigation of Marangoni condensation of ethanol-water mixture vapors on vertical tube. **2009**, 45, 1533-1541 17
- 1328 Natural convection heat transfer along vertical rectangular ducts. **2009**, 46, 255-266 6
- 1327 Electrohydrodynamic convective heat transfer in a square duct. **2009**, 1161, 452-62 7
- 1326 Experimental investigation and correlation of two-phase frictional pressure drop of R410A bil mixture flow boiling in a 5mm microfin tube. **2009**, 32, 150-161 29
- 1325 Effects of biofouling on air-side heat transfer and pressure drop for finned tube heat exchangers. **2009**, 32, 1032-1040 27
- 1324 Heat transfer characteristics of refrigerant-based nanofluid flow boiling inside a horizontal smooth tube. **2009**, 32, 1259-1270 167
- 1323 CO<sub>2</sub> flow condensation heat transfer and pressure drop in multi-port microchannels at low temperatures. **2009**, 32, 1129-1139 58
- 1322 Measurement and correlation of frictional pressure drop of refrigerant-based nanofluid flow boiling inside a horizontal smooth tube. **2009**, 32, 1756-1764 78
- 1321 Friction factor in micropipe gas flow under laminar, transition and turbulent flow regime. **2009**, 30, 814-822 23
- 1320 Thermal performance of dimpled surfaces in laminar flows. **2009**, 52, 2009-2017 26
- 1319 Film cooling at hypersonic Mach numbers using forward facing array of micro-jets. **2009**, 52, 3654-3664 48

1318	Heat transfer to a silicon carbide/water nanofluid. <b>2009</b> , 52, 3606-3612	134
1317	Airside characteristics of heat, mass transfer and pressure drop for heat exchangers of tube-in hydrophilic coating wavy fin under dehumidifying conditions. <b>2009</b> , 52, 4358-4370	20
1316	Film boiling heat transfer and vapour film collapse on spheres, cylinders and plane surfaces. <b>2009</b> , 239, 1885-1900	26
1315	The calibration of a model for simulating the thermal and electrical performance of a 2.8kWAC solid-oxide fuel cell micro-cogeneration device. <b>2009</b> , 186, 67-79	19
1314	Experimental study of pressure fluctuations and flow perturbations in air flow through vibrating pipes. <b>2009</b> , 328, 441-455	4
1313	Performance tests on helical Savonius rotors. <b>2009</b> , 34, 521-529	182
1312	Theoretical and experimental studies of membrane extraction of Cu <sup>2+</sup> with D2EHPA through rectangular conduits. <b>2009</b> , 48, 111-119	
1311	Experimental performance comparison of shell-side heat transfer for shell-and-tube heat exchangers with middle-overlapped helical baffles and segmental baffles. <b>2009</b> , 64, 1643-1653	123
1310	Modeling extraction separation of Cu(II) in hollow-fiber modules. <b>2009</b> , 64, 3455-3465	3
1309	Experimental study on sonic steam jet condensation in quiescent subcooled water. <b>2009</b> , 64, 5002-5012	71
1308	Experimental investigations on single stage modified Savonius rotor. <b>2009</b> , 86, 1064-1073	210
1307	Thermal analysis of reservoir structure versus capillary pumped loop. <b>2009</b> , 29, 186-194	6
1306	Flow boiling heat transfer coefficient of R-134a/R-290/R-600a mixture in smooth horizontal tubes using varied heat flux method. <b>2009</b> , 29, 1778-1785	10
1305	Two-phase flow pattern and frictional performance across small rectangular channels. <b>2009</b> , 29, 1309-1318	11
1304	Dynamic defrosting characteristics of air source heat pump and effects of outdoor air parameters on defrost cycle performance. <b>2009</b> , 29, 2701-2707	30
1303	Measuring transient temperature of the medium in power engineering machines and installations. <b>2009</b> , 29, 3374-3379	19
1302	Investigating performance of new mini-channel evaporators. <b>2009</b> , 29, 3561-3567	20
1301	Flow boiling heat transfer study of R-134a/R-290/R-600a mixture in 9.52 and 12.7 mm smooth horizontal tubes: Experimental investigation. <i>Experimental Thermal and Fluid Science</i> , <b>2009</b> , 33, 542-550 <sup>3</sup>	13

1300	Film thickness effects on calibrations of a narrowband thermochromic liquid crystal. <i>Experimental Thermal and Fluid Science</i> , <b>2009</b> , 33, 561-578	3	17
1299	Influence of the shape of the nozzle on local heat transfer distribution between smooth flat surface and impinging air jet. <b>2009</b> , 48, 602-617		98
1298	Uncertainty assessment in friction factor measurements as a tool to design experimental set-ups. <b>2009</b> , 48, 282-289		14
1297	The effect of different inlet geometries on laminar flow combined convection heat transfer inside a horizontal circular pipe. <b>2009</b> , 29, 581-590		4
1296	The investigation of groove geometry effect on heat transfer for internally grooved tubes. <b>2009</b> , 29, 753-761		150
1295	Experimental study of forced convective boiling for non-azeotropic refrigerant mixtures R-22/R-124 in horizontal smooth tube. <b>2009</b> , 29, 1864-1871		16
1294	Performance of different structured surfaces in nucleate pool boiling. <b>2009</b> , 29, 3643-3653		70
1293	Influence of nucleation on the flow boiling heat transfer coefficient of a refrigerant mixture under varied heat flux conditions. <b>2009</b> , 18, 249-257		2
1292	Experimental investigations of pressure loss and heat transfer in a 180° bend of a ribbed two-pass internal cooling channel with engine-similar cross-sections. <b>2009</b> , 223, 709-719		9
1291	Experimental Investigation on Flow Boiling Heat Transfer of CO <sub>2</sub> at Low Temperatures. <b>2009</b> , 30, 2-11		11
1290	Flow Boiling Heat Transfer Characteristics of R134a in a Horizontal Mini Tube. <b>2009</b> , 54, 2638-2645		9
1289	Polymer-metal nano-composite films for thermal management. <b>2009</b> , 26, 28-36		26
1288	Effects of a High Porous Material on Heat Transfer and Flow in a Circular Tube. <b>2009</b> , 131,		2
1287	Simultaneously Developing Flows Under Conjugated Conditions in a Mini-Channel Array: Liquid Crystal Thermography and Computational Simulations. <b>2009</b> , 30, 751-761		10
1286	Experimentation, Errors, and Uncertainty. 1-27		
1285	Detailed Uncertainty Analysis: Designing, Debugging, and Executing an Experiment. 121-191		2
1284	Effect of Coolant Temperature on the Condensation Heat Transfer in Air-Conditioning and Refrigeration Applications. <b>2009</b> , 22, 58-72		8
1283	Effect of Correlation Strength Uncertainty on Bayesian Calibration of Gas Turbine Simulator. <b>2009</b> ,		



1282	Various Aspects of the Bayesian Framework for Calibration of Gas Turbine Simulator. <b>2009,</b>	
1281	Experimental performance of a compliant scroll expander for an organic Rankine cycle. <b>2009,</b> 223, 863-872	65
1280	Thermodynamic Nonequilibrium in Ice-Slurry Systems. <b>2009,</b> 23, 392-398	4
1279	Experimental Study on Flow and Heat Transfer in a 19.6- $\mu$ m Microtube. <b>2009,</b> 22, 178-197	7
1278	Evaluation of Heat Transfer Characteristics in an Automobile Cabin with a Virtual Manikin During Heating Period. <b>2009,</b> 56, 515-539	13
1277	Estimation of Uncertainty in an Analytical Inverse Heat Conduction Solution. <b>2009,</b> 22, 129-143	10
1276	Experimental Study of Pumping of Liquid Film With Electric Conduction Phenomenon. <b>2009,</b> 45, 3-9	34
1275	Three-dimensional saltating processes of multiple sediment particles. <b>2009,</b> 24, 16-32	12
1274	Turbine Airfoil Net Heat Flux Reduction With Cylindrical Holes Embedded in a Transverse Trench. <b>2009,</b> 131,	22
1273	The Effect of Side Wall Mass Extraction on Pressure Loss and Heat Transfer of a Ribbed Rectangular Two-Pass Internal Cooling Channel. <b>2009,</b>	1
1272	An Experimental Investigation of Showerhead Film Cooling Performance in a Transonic Vane Cascade at Low and High Freestream Turbulence. <b>2009,</b>	
1271	The Effect of Turning Vanes on Pressure Loss and Heat Transfer of a Ribbed Rectangular Two-Pass Internal Cooling Channel. <b>2009,</b>	10
1270	The effects of induced dissipative small-scale motions and mixing on optical distortion in a plane shear layer. <b>2009,</b> 619, 295-329	5
1269	Condensation Heat Transfer of Carbon Dioxide Inside Horizontal Smooth and Microfin Tubes at Low Temperatures. <b>2009,</b> 131,	31
1268	Design Considerations and Validation of Trailing Edge Pressure Side Bleed Cooling. <b>2009,</b>	9
1267	Heat Transfer Characteristics of Swirling Impinging Jets. <b>2009,</b>	1
1266	Experimental Testing of a Thermoelectric-Based Hydronic Cooling and Heating Device With Transient Charging of Sensible Thermal Energy Storage Water Tank. <b>2009,</b> 1,	2
1265	Heat Transfer in a Confined Oblique Jet Impingement Configuration. <b>2009,</b>	4

- 1264 Heat Transfer for a Turbine Blade With Non-Axisymmetric Endwall Contouring. **2009**, 8
- 1263 Heat Transfer and Pressure Drop Measurements in Constant and Converging Section Pin and Diamond Pedestal Arrays. **2009**, 1, 5
- 1262 Suction-Side Gill Region Film Cooling: Effects of Hole Shape and Orientation on Adiabatic Effectiveness and Heat Transfer Coefficient. **2010**, 132, 8
- 1261 Separation of a Two-Phase Slug Flow in Branched 90 deg Elbows. **2010**, 132, 2
- 1260 A Methodology to Measure Aerodynamic Forces on Cylinders in Channel Flow. **2010**, 132,
- 1259 Experimental Study on CHF Characteristics of R134a Flow Boiling in Horizontal Helically-Coiled Tubes. **2010**, 1
- 1258 Study on Fluid-to-Fluid Modeling of CHF of R134a-Water in Horizontal Helically-Coiled Tubes. **2010**,
- 1257 Heat Transfer Characteristics of an Oblique Jet Impingement Configuration in a Passage With Ribbed Surfaces. **2010**, 3
- 1256 Experimental Investigation of Louver Cooling Scheme on Gas Turbine Vane Pressure Side. **2010**, 2
- 1255 High Temperature Turbine First Stage Vane Wake to Stator Heat Shield Interaction on Outer Casing. **2010**,
- 1254 Investigation of Aerodynamic Losses and Film Cooling Effectiveness for a NGV Profile. **2010**,
- 1253 Aerodynamics of a Letterbox Trailing Edge: Effects of Blowing Rate, Reynolds Number, and External Turbulence on Aerodynamic Losses and Pressure Distribution. **2010**, 132, 12
- 1252 Flow Field Study in Louvered Fin and Round Tube Heat Exchangers. **2010**, 1
- 1251 Design and Performance of Two-Phase Flow Heat Transfer Experiment Platform Using R134a as Working Fluid. **2010**,
- 1250 Computational Predictions of Heat Transfer and Film-Cooling for a Turbine Blade With Non-Axisymmetric Endwall Contouring. **2010**,
- 1249 Transonic Turbine Blade Tip Aero-Thermal Performance With Different Tip Gaps: Part II Tip Heat Transfer. **2010**, 2
- 1248 Heat Transfer Characteristics of Swirling Impinging Jets. **2010**, 2
- 1247 Simulations of Multi-Phase Particle Deposition on Endwall Film-Cooling. **2010**, 6

1246	Stratified flow boiling heat transfer study of a HFC/HC refrigerant mixture in smooth horizontal tubes. <b>2010</b> , 46, 323-331		3
1245	Effect of salt spray corrosion on air-side hydrophilicity and thermal-hydraulic performance of copper-fin heat exchangers. <b>2010</b> , 46, 859-867		4
1244	Heat transfer coefficient measurements on the pressure surface of a transonic airfoil. <b>2010</b> , 48, 185-196		3
1243	Transient growth instability cancelation by a plasma actuator array. <b>2010</b> , 49, 1339-1348		56
1242	Measurement of through-plane effective thermal conductivity and contact resistance in PEM fuel cell diffusion media. <b>2010</b> , 55, 1619-1625		83
1241	Experimental research on heat transfer of natural convection in vertical rectangular channels with large aspect ratio. <i>Experimental Thermal and Fluid Science</i> , <b>2010</b> , 34, 73-80	3	23
1240	Heat transfer enhancement in natural convection between vertical and downward inclined wall and air by pulsating jets. <i>Experimental Thermal and Fluid Science</i> , <b>2010</b> , 34, 943-953	3	5
1239	Mean flow structure in high aspect ratio microchannel flows. <i>Experimental Thermal and Fluid Science</i> , <b>2010</b> , 34, 1077-1088	3	10
1238	Airside performance of fin-and-tube heat exchangers in dehumidifying conditions Data with larger diameter. <b>2010</b> , 53, 1603-1608		28
1237	Flow condensation pressure drop characteristics of R410A/R125 mixture inside small diameter horizontal microfin tubes. <b>2010</b> , 33, 1356-1369		10
1236	Laminar, transitional and turbulent friction factors for gas flows in smooth and rough microtubes. <b>2010</b> , 49, 248-255		25
1235	Experimental study of convective heat transfer on a finned rotating cylinder. <b>2010</b> , 49, 1742-1751		6
1234	Thermal performance of linear Fresnel reflecting solar concentrator with trapezoidal cavity absorbers. <b>2010</b> , 87, 541-550		114
1233	Proposed improvements to a model for characterizing the electrical and thermal energy performance of Stirling engine micro-cogeneration devices based upon experimental observations. <b>2010</b> , 87, 3271-3282		38
1232	Performance assessment of a direct expansion air conditioner working with R407C as an R22 alternative. <b>2010</b> , 30, 127-133		20
1231	Experimental and numerical investigation of thermal -hydraulic performance in wavy fin-and-flat tube heat exchangers. <b>2010</b> , 30, 1377-1386		87
1230	Studies on heat transfer and friction factor characteristics of turbulent flow through a micro-finned tube fitted with left-right inserts. <b>2010</b> , 30, 1666-1672		27
1229	The empirical validation of a model for simulating the thermal and electrical performance of fuel cell micro-cogeneration devices. <b>2010</b> , 195, 1416-1426		9

1228	Landing gear noise control using perforated fairings. <b>2010</b> , 26, 159-174	19
1227	Air-side heat transfer and friction characteristics of biofouled evaporator under wet conditions. <b>2010</b> , 4, 306-312	2
1226	On the Heat Transfer Characteristics of Heat Sinks: With and Without Vortex Generators. <b>2010</b> , 33, 391-397	24
1225	Heat loss study of trapezoidal cavity absorbers for linear solar concentrating collector. <b>2010</b> , 51, 329-337	73
1224	Experimental investigation on critical heat flux in horizontal channel for low pressure low flow (LPLF) condition. <b>2010</b> , 37, 1467-1475	3
1223	Experimental investigation of single phase convective heat transfer coefficient in a corrugated plate heat exchanger for multiple plate configurations. <b>2010</b> , 30, 1058-1065	156
1222	Measurement of relative permeability of fuel cell diffusion media. <b>2010</b> , 195, 3830-3840	75
1221	Emissions from different alternative diesel fuels operating with single and split fuel injection. <b>2010</b> , 89, 423-437	98
1220	Experimental study of forced and free convective heat transfer in the thermal entry region of horizontal concentric annuli. <b>2010</b> , 37, 739-747	30
1219	The effect of flow maldistribution on the evaluation of axial dispersion and thermal performance during the single-blow testing of plate heat exchangers. <b>2010</b> , 53, 1591-1602	17
1218	An experimental study on CHF enhancement in flow boiling using Al <sub>2</sub> O <sub>3</sub> nano-fluid. <b>2010</b> , 53, 1015-1022	77
1217	Flow boiling heat transfer of R134a and R245fa in a 2.3mm tube. <b>2010</b> , 53, 2459-2468	91
1216	Thermo-hydraulic study of a single row heat exchanger consisting of metal foam covered round tubes. <b>2010</b> , 53, 3262-3274	88
1215	Radiative effects on natural convection in vertical convergent channels. <b>2010</b> , 53, 3513-3524	21
1214	Pool boiling of perfluorocarbon mixtures on silicon surfaces. <b>2010</b> , 53, 5596-5604	16
1213	An experimental investigation of air cooling thermal module using various enhancements at low Reynolds number region. <b>2010</b> , 53, 5675-5681	34
1212	Single-beam gamma densitometry measurements of oil/water flow in horizontal and slightly inclined pipes. <b>2010</b> , 36, 467-480	53
1211	Experimental investigation of two-phase discharge from a stratified region through a small branch mounted on an inclined wall. <b>2010</b> , 36, 588-597	3

1210	Long-term performance of air-side heat transfer and pressure drop for finned tube evaporators of air conditioners under intermittent operation conditions. <b>2010</b> , 33, 107-115	5
1209	Performance enhancement study of mobile air conditioning system using microchannel heat exchangers. <b>2010</b> , 33, 301-312	44
1208	Influence of oil on flow condensation heat transfer of R410A inside 4.18 mm and 1.6 mm inner diameter horizontal smooth tubes. <b>2010</b> , 33, 158-169	53
1207	Comparative performance of an automotive air conditioning system using fixed and variable capacity compressors. <b>2010</b> , 33, 487-495	29
1206	Heat transfer characteristics of refrigerant-oil mixtures flow boiling in a horizontal C-shape curved smooth tube. <b>2010</b> , 33, 932-943	21
1205	Carbon dioxide heat transfer coefficients and pressure drops during flow boiling: Assessment of predictive methods. <b>2010</b> , 33, 1068-1085	24
1204	Heat transfer during reflux condensation of an R134a/R123 mixture in vertical and inclined narrow tubular and rectangular channels. <b>2010</b> , 33, 1319-1326	7
1203	Evaluation of moisture diffusivities in various membranes. <b>2010</b> , 357, 185-191	38
1202	Temperature stratification from thermal diodes in solar hot water storage tank. <b>2010</b> , 84, 507-511	27
1201	An evaluation of empirically-based models for predicting energy performance of vapor-compression water chillers. <b>2010</b> , 87, 3486-3493	41
1200	Post-CHF heat transfer during two-phase upflow boiling of R-407C in a vertical pipe. <b>2010</b> , 30, 167-173	5
1199	Effect of swirling vanes on performance of steam/water jet injector. <b>2010</b> , 30, 623-630	15
1198	Experimental investigation of heat transfer and pressure drop in serrated-fin tube bundles with staggered tube layouts. <b>2010</b> , 30, 1531-1537	38
1197	Theoretical and experimental studies on optimum heat rejection pressure for a CO <sub>2</sub> heat pump system. <b>2010</b> , 30, 2537-2544	34
1196	Experimental volumetric heat transfer characteristics between oil and glass pebbles in a small glass tube storage. <b>2010</b> , 35, 1256-1263	13
1195	Thermoeconomic assessment of a multi-engine, multi-heat-pump CCHP (combined cooling, heating and power generation) system [A case study]. <b>2010</b> , 35, 3540-3550	56
1194	Experimental investigation of over-expanded supersonic steam jet submerged in quiescent water. <i>Experimental Thermal and Fluid Science</i> , <b>2010</b> , 34, 10-19	3 52
1193	Experimental heat and mass transfer of the separated and coupled rotating desiccant wheel and heat wheel. <i>Experimental Thermal and Fluid Science</i> , <b>2010</b> , 34, 603-615	3 55

1192	Evaluation of flow patterns and elongated bubble characteristics during the flow boiling of halocarbon refrigerants in a micro-scale channel. <i>Experimental Thermal and Fluid Science</i> , <b>2010</b> , 34, 766-775	29
1191	Condensation heat transfer characteristics of R410A/R125 mixture in 5mm and 4mm outside diameter horizontal microfin tubes. <i>Experimental Thermal and Fluid Science</i> , <b>2010</b> , 34, 845-856	3 22
1190	Study of junction flows in louvered fin round tube heat exchangers using the dye injection technique. <i>Experimental Thermal and Fluid Science</i> , <b>2010</b> , 34, 1253-1264	3 13
1189	Local heat transfer distribution on a flat plate impinged by a compressible round air jet. <b>2010</b> , 49, 2157-2168	17
1188	Development of Small Internal Combustion Engine Thrust Stand/Dynamometer. <b>2010</b> ,	1
1187	Design and execution of validation experiments. 409-468	57
1186	Thermal Hydraulic Study of a Single Row Heat Exchanger With Helically Finned Tubes. <b>2010</b> , 132,	16
1185	Detailed Heat Transfer Measurements in a Model of an Integrally Cast Cooling Passage. <b>2010</b> , 132,	1
1184	Effect of swirl on the turbulent behaviour of a dump combustor flow. <b>2010</b> , 224, 705-717	8
1183	. <b>2010</b> ,	
1182	Subcooled Boiling Heat Transfer of CO <sub>2</sub> in A Horizontal Tube at Low Temperatures. <b>2010</b> , 31, 1015-1022	1
1181	Development of a measurement technique for highly conductive CVD diamonds and analysis of uncertainties due to 3D heat losses. <b>2010</b> ,	
1180	Enhancement of natural convection using synthetic jets. <b>2010</b> ,	0
1179	Two-phase flow pressure drop and heat transfer during condensation in microchannels with uniform and converging cross-sections. <b>2010</b> , 20, 095001	7
1178	Identification and Attenuation of a Tonal-Noise Source on an Aircraft's Landing Gear. <b>2010</b> , 47, 796-804	9
1177	Film Effectiveness Measurements on the Pressure Surface of a Transonic Airfoil. <b>2010</b> , 26, 837-847	9
1176	Mach Number, Reynolds Number, Jet Spacing Variations: Full Array of Impinging Jets. <b>2010</b> , 24, 133-144	20
1175	Measurement of Transient Heat Flux and Surface Temperature Using Embedded Temperature Sensors. <b>2010</b> , 24, 77-84	12

1174	Heat Transfer Distribution of Semicylindrical Concave Surface Impinged by Circular Jet Rows. <b>2010</b> , 24, 765-776	2
1173	Boiling Heat Transfer in Microcapillary Grooves with Different Structured Surfaces of Microcavities. <b>2010</b> , 23, 217-234	3
1172	Three-dimensional vorticity measurements in the wake of a yawed circular cylinder. <b>2010</b> , 22, 015108	25
1171	Heat Transfer Enhancement of Jet Impingement on a Flat Plate Attached by a Porous Medium with a Center Cavity. <b>2010</b> , 297-301, 427-432	4
1170	Experimental Investigation of Film Cooling Effectiveness for a New Shaped Hole at the Leading Edge. <b>2010</b> ,	1
1169	Aerodynamic Performance of Suction-Side Gill Region Film Cooling. <b>2010</b> , 132,	11
1168	Dry-Out CHF Characteristics of R134a Flow Boiling in a Horizontal Helically-Coiled Tube. <b>2010</b> ,	
1167	Letterbox Trailing Edge Heat Transfer: Effects of Blowing Rate, Reynolds Number, and External Turbulence on Heat Transfer and Film Cooling Effectiveness. <b>2010</b> , 132,	13
1166	Submerged Jet Impingement Boiling of Saturated Water Under Sub-Atmospheric Conditions. <b>2010</b> ,	2
1165	Numerical Model of the Temperature Control Curve Linearity of HVAC Module in Automobile Air-Conditioning System and Applications. <b>2010</b> , 2,	3
1164	An Experimental Study of Heat Transfer and Pressure Drop on the Bend Surface of a U-Duct. <b>2010</b> ,	6
1163	Thermo-Hydraulic Performance of a Heat Exchanger Consisting of Metal Foam Covered Tubes. <b>2010</b> ,	
1162	Heat Transfer Enhancement From a Circular Cylinder to Distilled Water by Ultrasonic Waves at Different Subcooling Degrees. <b>2010</b> ,	8
1161	Experimental Research on the Performance of Exhaust Steam Reclaim Device With a Swirling Flow Vane. <b>2010</b> ,	3
1160	Mixed-Convection Heat Transfer from Simulated Air-Cooled Electronic Devices: Experimental and Numerical Study. <b>2010</b> , 24, 165-172	4
1159	Liquid Sheet Breakup in Gas-Centered Swirl Coaxial Atomizers. <b>2010</b> , 132,	32
1158	Experimental Investigation on the Thermal Conductivity and Viscosity of Silver-Deionized Water Nanofluid. <b>2010</b> , 23, 317-332	221
1157	Experimental Investigations on Natural Convection Heat Transfer Around Horizontal Triangular Ducts. <b>2010</b> , 31, 350-361	8

1156	Performance Analysis of an Integrative Unit for Air Conditioning and Desalination. <b>2010</b> , 21, 66-72	1
1155	Examination of the Sooting Tendency of Three-Ring Aromatic Hydrocarbons and Their Saturated Counterparts. <b>2010</b> , 24, 3479-3487	18
1154	Flow patterns and flow pattern maps for microchannels. <b>2010</b> ,	1
1153	Experimental study of exhaust temperature variation in a homogeneous charge compression ignition engine. <b>2010</b> , 224, 1177-1197	24
1152	Effects of Incidence Angle on the Performance of Lightly Loaded Turbine Guide Vanes. <b>2010</b> ,	1
1151	Flow over a Distribution of Obliquely Aligned Elements: Part I - Experimental Investigation. <b>2010</b> ,	
1150	Transpiration Cooling with Supersonic Flows and Foreign Gas Injection. <b>2010</b> ,	8
1149	Wavelet analysis of the turbulent wake generated by an inclined circular cylinder. <b>2010</b> , 11, N15	9
1148	General Correlations for Laminar and Transition Natural Convection Heat Transfer from Vertical Triangular Cylinders in Air. <b>2011</b> , 24, 133-150	7
1147	Open channel flow recovery in the wake of a flat plate on rough beds. <b>2011</b> , 38, 710-717	
1146	Experimental Investigations on Transpiration Cooling for Scramjet Applications Using Different Coolants. <b>2011</b> , 49, 1409-1419	53
1145	Experimental Study of Biogas Combustion in a Two-Layer Packed Bed Burner. <b>2011</b> , 25, 2887-2895	35
1144	An experimentally validated and parameterized periodic unit-cell reconstruction of open-cell foams. <b>2011</b> , 109, 103519	61
1143	Considerations in the Use of the Laser Flash Method for Thermal Measurements of Thermal Interface Materials. <b>2011</b> , 1, 1015-1028	15
1142	Pressure Drop in Generating Free-Surface Liquid Microjet Array From Short Cylindrical Orifices. <b>2011</b> , 133,	3
1141	A microfluidic multichannel resistive pulse sensor using frequency division multiplexing for high throughput counting of micro particles. <b>2011</b> , 21, 065004	33
1140	Drag Reduction Studies by Steady Energy Deposition at Mach 5. <b>2011</b> ,	8
1139	Laser-induced incandescence measurements of soot in turbulent pool fires. <b>2011</b> , 50, A49-59	12



1138	Convective heat transfer of nanofluids with correlations. <b>2011</b> , 9, 626-631	61
1137	Supersonic Ejector to Boost Production from Low Pressure Natural Gas Field. <b>2011</b> ,	
1136	INFLUENCE OF PITCH ON LOCAL HEAT TRANSFER DISTRIBUTION FOR CONFINED IMPINGEMENT OF MULTIPLE JET ARRAYS. <b>2011</b> , 18, 41-53	2
1135	FILM COOLING PERFORMANCE IN A LOW-SPEED 1.5-STAGE TURBINE: EFFECTS OF BLOWING RATIO AND ROTATION. <b>2011</b> , 18, 419-432	10
1134	Effect of Flash Gas Bypass on the Performance of R134a Mobile Air-Conditioning System with Microchannel Evaporator. <b>2011</b> , 4, 231-239	8
1133	Relationship Between Diesel Fuel Spray Vapor Penetration/Dispersion and Local Fuel Mixture Fraction. <b>2011</b> , 4, 764-799	218
1132	Experimental Simulation of Contaminant Deposition on a Film Cooled Turbine Vane Pressure Side With a Trench. <b>2011</b> ,	1
1131	Mean dynamics of transitional channel flow. <b>2011</b> , 678, 451-481	17
1130	An Experimental Investigation of Heat Transfer Characteristics in a Steam-Cooled Square Channel With Rib Turbulators. <b>2011</b> ,	1
1129	Sub-Atmospheric Mini-Jet Impingement Boiling of Water Under Saturated and Subcooled Conditions. <b>2011</b> ,	2
1128	Aerothermal Performance of a Winglet at Engine Representative Mach and Reynolds Numbers. <b>2011</b> , 133,	38
1127	The Effect of Side Wall Mass Extraction on Pressure Loss and Heat Transfer of a Ribbed Rectangular Two-Pass Internal Cooling Channel. <b>2011</b> , 133,	3
1126	Experimental Investigation of Louver Cooling Scheme on Gas Turbine Vane Suction Side. <b>2011</b> ,	
1125	Validation of a First Vane Platform Cooling Design. <b>2011</b> ,	2
1124	Effects of Ultrasounds on the Heat Transfer Enhancement From a Circular Cylinder to Distilled Water in Subcooled Boiling. <b>2011</b> , 3,	11
1123	Heat Transfer for a Turbine Blade With Nonaxisymmetric Endwall Contouring. <b>2011</b> , 133,	32
1122	Flowfield Measurements in a Single Row of Low Aspect Ratio Pin-Fins. <b>2011</b> ,	2
1121	Measurements of Adiabatic Film and Overall Cooling Effectiveness on a Turbine Vane Pressure Side With a Trench. <b>2011</b> ,	2

1120	Aero-Thermal Performance of a Cooled Winglet at Engine Representative Mach and Reynolds Numbers. <b>2011,</b>	1
1119	Pressure Field Mapping of a Modified YP Craft Flight Deck. <b>2011,</b>	
1118	Thermal Validation of a Heat Shield Surface for a High Lift Blade Profile. <b>2011,</b>	1
1117	The Effect of the Combustor-Turbine Slot and Midpassage Gap on Vane Endwall Heat Transfer. <b>2011, 133,</b>	21
1116	Experimental Study of Effects of Interfacial Properties on Nucleate Pool Boiling in Water. <b>2011,</b>	1
1115	Effects of Orientation and Position of the Combustor-Turbine Interface on the Cooling of a Vane Endwall. <b>2011,</b>	7
1114	Unsteady airfoil with a harmonically deflected trailing-edge flap. <b>2011, 27, 1411-1424</b>	26
1113	Experimental study on the improvement of CO <sub>2</sub> air conditioning system performance using an ejector. <b>2011, 34, 1614-1625</b>	55
1112	A simplified method to evaluate the energy performance of CO <sub>2</sub> heat pump units. <b>2011, 50, 2483-2495</b>	5
1111	Electrohydrodynamic conduction pumps with cylindrical electrodes for pumping of dielectric liquid film in an open channel. <b>2011, 392, 294-299</b>	12
1110	Experimental study of free convection in a window with a heated between-panes blind. <b>2011, 43, 2647-2655</b>	14
1109	An experimental study of pressure drop and friction factor for laminar and transition opposing mixed convection in entrance region of rectangular duct. <b>2011, 52, 2272-2281</b>	6
1108	Experimental studies on a ground coupled heat pump with solar thermal collectors for space heating. <b>2011, 36, 5292-5300</b>	78
1107	Performance of solar air heater ducts with different types of ribs on the absorber plate. <b>2011, 36, 6651-6660</b>	72
1106	Defrosting method adopting dual hot gas bypass for an air-to-air heat pump. <b>2011, 88, 4544-4555</b>	73
1105	An experimental study of closed loop intermittent spray cooling of ICs. <b>2011, 31, 2321-2331</b>	16
1104	Studies on the flow-induced noise at the evaporator of a refrigerating system. <b>2011, 31, 2485-2493</b>	10
1103	Experimental study of heat transfer enhancement using water/ethylene glycol based nanofluids as a new coolant for car radiators. <b>2011, 38, 1283-1290</b>	241

1102	Boiling enhancement by TiO <sub>2</sub> nanoparticle deposition. <b>2011</b> , 54, 4895-4903	54
1101	Turbulence structure in boundary layers over periodic two- and three-dimensional roughness. <b>2011</b> , 676, 172-190	76
1100	Measurement of the thermal conductivity of carbon nanotube--tissue phantom composites with the hot wire probe method. <b>2011</b> , 39, 1745-58	9
1099	The accuracy of tomographic particle image velocimetry for measurements of a turbulent boundary layer. <b>2011</b> , 50, 1031-1056	89
1098	Lift enhancement and flow structure of airfoil with joint trailing-edge flap and Gurney flap. <b>2011</b> , 50, 1671-1684	28
1097	An experimental study on the vortical structures and behaviour of jets issuing from inclined coaxial nozzles. <b>2011</b> , 51, 917-932	7
1096	Flow past two in-tandem airfoils undergoing sinusoidal oscillations. <b>2011</b> , 51, 1605-1621	13
1095	Local heat transfer distribution between smooth flat surface and impinging air jet from a circular nozzle at low Reynolds numbers. <b>2011</b> , 47, 237-244	23
1094	An experimental investigation on interior thermal conditions and human body temperatures during cooling period in automobile. <b>2011</b> , 47, 407-418	4
1093	Evaporation flow pattern and heat transfer of R-22 and R-134a in small diameter tubes. <b>2011</b> , 47, 703-717	32
1092	Numerical and experimental studies of natural convective heat transfer from vertical and inclined narrow isothermal flat plates. <b>2011</b> , 47, 1181-1195	11
1091	Convective heat transfer and fluid flow physics in some ribbed ducts using liquid crystal thermography and PIV measuring techniques. <b>2011</b> , 47, 899-910	13
1090	Effect of pore size distribution in bidisperse wick on heat transfer in a loop heat pipe. <b>2011</b> , 47, 933-940	15
1089	Measurement of in-plane effective thermal conductivity in PEM fuel cell diffusion media. <b>2011</b> , 56, 1670-1675	39
1088	Condensation heat transfer characteristics of R-22, R-134a and R-410A in a single circular microtube. <i>Experimental Thermal and Fluid Science</i> , <b>2011</b> , 35, 706-716	3 31
1087	Experimental investigation of two-phase flow splitting in an equal-sided impacting tee junction with inclined outlets. <i>Experimental Thermal and Fluid Science</i> , <b>2011</b> , 35, 1193-1201	3 37
1086	Experimental study on heat and mass transfer characteristics of louvered fin-tube heat exchangers under wet condition. <b>2011</b> , 38, 893-899	26
1085	Local heat transfer distribution on a smooth flat plate impinged by a slot jet. <b>2011</b> , 54, 727-738	41

1084	Airside performance of herringbone wavy fin-and-tube heat exchangers [data with larger diameter tube. <b>2011</b> , 54, 1024-1029		45
1083	Numerical optimization on the geometrical factors of natural gas ejectors. <b>2011</b> , 50, 1554-1561		31
1082	Air cooling of a finned cylinder with slot jets of different height. <b>2011</b> , 50, 1583-1593		16
1081	Silk cocoon drying in forced convection type solar dryer. <b>2011</b> , 88, 1720-1726		41
1080	Viscous heating for laminar liquid flow in microtubes. <b>2011</b> , 20, 268-275		0
1079	An adaptive neuro-fuzzy inference system model for predicting the performance of a refrigeration system with a cooling tower. <b>2011</b> ,		10
1078	On the vortical structures and behaviour of inclined elliptic jets. <b>2011</b> , 30, 437-450		24
1077	Experimental investigation on resistance characteristics in micro/mini cylinder group. <i>Experimental Thermal and Fluid Science</i> , <b>2011</b> , 35, 226-233	3	12
1076	Flow boiling heat transfer and pressure drop of R-134a in a mini tube: an experimental investigation. <i>Experimental Thermal and Fluid Science</i> , <b>2011</b> , 35, 636-644	3	37
1075	Flow pattern visualization of liquid film conduction pumping using flush mounted electrodes. <i>Experimental Thermal and Fluid Science</i> , <b>2011</b> , 35, 933-938	3	10
1074	Experimental investigation of convective heat transfer enhancement from 3D-shape heat sources by EHD actuator in duct flow. <i>Experimental Thermal and Fluid Science</i> , <b>2011</b> , 35, 1383-1391	3	25
1073	Determination of flow rate characteristics of porous media using charge method. <b>2011</b> , 22, 201-207		12
1072	Forced convection heat transfer over horizontal triangular cylinder in cross flow. <b>2011</b> , 50, 106-114		35
1071	Experimental study on critical heat flux characteristics of R134a flow boiling in horizontal helically-coiled tubes. <b>2011</b> , 50, 169-177		12
1070	Experimental and numerical investigation of confined oblique impingement configurations for high heat flux applications. <b>2011</b> , 50, 1037-1050		29
1069	Influence of the deflector plate on the performance of modified Savonius water turbine. <b>2011</b> , 88, 3207-3217		188
1068	Development and validation of a microchannel evaporator model for a CO <sub>2</sub> air-conditioning system. <b>2011</b> , 31, 137-146		19
1067	Flow boiling heat transfer and pressure drop characteristics of CO <sub>2</sub> in horizontal tube of 4.57-mm inner diameter. <b>2011</b> , 31, 163-172		48

1066	Effect of cannelure fin configuration on compact aircooling heat sink. <b>2011</b> , 31, 1640-1647		16
1065	Improving the cooling performance of automobile radiator with Al <sub>2</sub> O <sub>3</sub> /water nanofluid. <b>2011</b> , 31, 1833-1838	209	
1064	Numerical analysis of air flow, heat transfer, moisture transport and thermal comfort in a room heated by two-panel radiators. <b>2011</b> , 43, 137-146		71
1063	Study on incineration technology of oil gas generated during the recovery process of oil spill. <b>2011</b> , 52, 1662-1668		2
1062	Development of an energy-saving module via combination of solar cells and thermoelectric coolers for green building applications. <b>2011</b> , 36, 133-140		102
1061	Experimental investigation of electrohydrodynamic conduction pumping of various liquids film using flush electrodes. <b>2011</b> , 69, 43-53		20
1060	Firing blast furnace gas without support fuel in steel mill boilers. <b>2011</b> , 52, 2758-2767		37
1059	Flow boiling behaviors in hydrophilic and hydrophobic microchannels. <i>Experimental Thermal and Fluid Science</i> , <b>2011</b> , 35, 816-824	3	72
1058	Free convection enhancement between inclined wall and air in presence of expired jets at temperature difference of 40 K. <i>Experimental Thermal and Fluid Science</i> , <b>2011</b> , 35, 283-290	3	3
1057	Effects of ultrasonic waves on the heat transfer enhancement in subcooled boiling. <i>Experimental Thermal and Fluid Science</i> , <b>2011</b> , 35, 423-432	3	50
1056	Heat transfer and enhancement analyses of flow boiling for R417A and R22. <i>Experimental Thermal and Fluid Science</i> , <b>2011</b> , 35, 1334-1342	3	7
1055	Laminar flame speed measurements of dimethyl ether in air at pressures up to 10atm. <b>2011</b> , 90, 331-338		75
1054	Dry-out CHF correlation for R134a flow boiling in a horizontal helically-coiled tube. <b>2011</b> , 54, 739-745		13
1053	Interaction between mean flow and thermo-hydraulic behaviour in inclined louvered fins. <b>2011</b> , 54, 826-837		23
1052	Effect of rib spacing on heat transfer and friction in a rectangular channel with 45° angled rib turbulators on one/two walls. <b>2011</b> , 54, 1081-1090		68
1051	A Bayesian approach for the simultaneous estimation of surface heat transfer coefficient and thermal conductivity from steady state experiments on fins. <b>2011</b> , 54, 3060-3068		37
1050	Dryout characteristics during flow boiling of R134a in vertical circular minichannels. <b>2011</b> , 54, 2434-2445		28
1049	Experimental investigation on heat transfer characteristics of low mass flux rifled tube with upward flow. <b>2011</b> , 54, 2952-2961		58

1048	Local heat transfer analysis for boiling of hydrocarbons in complex geometries: A new approach for heat transfer prediction in staggered tube bundle. <b>2011</b> , 54, 4203-4219	31
1047	Control of jet impingement heat transfer in crossflow by using a rib. <b>2011</b> , 54, 4157-4166	29
1046	Assessment of an active-cooling micro-channel heat sink device, using electro-osmotic flow. <b>2011</b> , 54, 4560-4569	25
1045	Investigating performance of microchannel evaporators with different manifold structures. <b>2011</b> , 34, 292-302	20
1044	Heat rejection from R744 flow under uniform temperature cooling in a horizontal smooth tube around the critical point. <b>2011</b> , 34, 719-731	36
1043	Long-period food storage household vertical freezer: Refrigerant charge influence on working conditions during steady operation. <b>2011</b> , 34, 1305-1314	10
1042	On-line, auto-tuning control of Electronic Expansion Valves. <b>2011</b> , 34, 1151-1161	12
1041	CO2 and propane blends: Experiments and assessment of predictive methods for flow boiling in horizontal tubes. <b>2011</b> , 34, 1028-1039	24
1040	Moisture permeation through porous membranes. <b>2011</b> , 379, 496-503	10
1039	Fluid-to-fluid modeling of two-phase flow critical heat flux in horizontal helically coiled tubes. <b>2011</b> , 241, 1430-1437	7
1038	An experiment on the radioactivity characteristics of the tritium contaminated metal sample. <b>2011</b> , 38, 1074-1077	3
1037	A design and characteristic experiment of the small annular linear induction electromagnetic pump. <b>2011</b> , 38, 1046-1052	21
1036	Experimental evaluation of the new solid desiccant heat pump system in Asia-Pacific climatic conditions. <b>2011</b> , 31, 243-257	33
1035	Heat transfer correlations of forced convective boiling for pure refrigerants in micro-fin tubes. <b>2011</b> , 31, 820-826	8
1034	A semi-empirical model for the unsteady-state simulation of reciprocating compressors for household refrigeration applications. <b>2011</b> , 31, 1114-1124	34
1033	An effective, low-cost mechanism for direct drag force measurement on solar concentrators. <b>2011</b> , 99, 665-669	1
1032	Experimental and numerical investigations of moisture permeation through membranes. <b>2011</b> , 367, 174-181	18
1031	Effect of methane-dimethyl ether fuel blends on flame stability, laminar flame speed, and Markstein length. <b>2011</b> , 33, 929-937	42

1030	Thermo-chemical characteristics of R134a flow boiling in helically coiled tubes at low mass flux and low pressure. <b>2011</b> , 512, 163-169	28
1029	Ship Air Wake Wind Tunnel Test Results (Invited). <b>2011</b> ,	7
1028	Dynamic Calibration and Performance of Reliable and Fast-Response Coaxial Temperature Probes in a Shock Tube Facility. <b>2011</b> , 24, 109-132	13
1027	Experimental Research on Performance of Supersonic Steam-Driven Jet Injector and Pressure of Supersonic Steam Jet in Water. <b>2011</b> , 32, 988-995	9
1026	Numerical Analysis on Convection Heat Transfer in a Spirally Fluted and Field Synergy Principle Analysis. <b>2011</b> , 308-310, 1410-1415	6
1025	Laminar Flame Speed Measurements and Modeling of Pure Alkanes and Alkane Blends at Elevated Pressures. <b>2011</b> , 133,	117
1024	Experimental Investigation and Comparison on Fin Surfaces Performance of Flat Tube Heat Exchangers. <b>2011</b> , 354-355, 389-393	4
1023	Effect of Partial Shrouds on the Performance and Flow Field of a Low-Aspect-Ratio Axial-Flow Fan Rotor. <b>2011</b> , 2011, 1-11	3
1022	Flow patterns and transition characteristics for steam condensation in silicon microchannels. <b>2011</b> , 21, 075009	15
1021	Experimental Study on Air Side Heat Transfer and Fluid Flow Characteristics of Microchannel Heat Exchanger. <b>2011</b> , 4, 1198-1210	1
1020	Investigation on Boiling Heat Transfer Characteristics of R404A in a 7.49-mm Smooth Horizontal Tube. <b>2011</b> , 24, 355-369	4
1019	Heat Transfer Characteristics of a Non-Rotating Two-Pass Rectangular Duct With Various Guide Vanes in the Tip Turn Region. <b>2011</b> ,	
1018	The Effects of Freestream Turbulence, Turbulence Length Scale, and Exit Reynolds Number on Turbine Blade Heat Transfer in a Transonic Cascade. <b>2011</b> , 133,	20
1017	Computational Predictions of Heat Transfer and Film-Cooling for a Turbine Blade With Nonaxisymmetric Endwall Contouring. <b>2011</b> , 133,	23
1016	Effects of an Axisymmetric Contoured Endwall on a Nozzle Guide Vane: Adiabatic Effectiveness Measurements. <b>2011</b> , 133,	13
1015	Heat Transfer in an Oblique Jet Impingement Configuration With Varying Jet Geometries. <b>2011</b> ,	1
1014	Experimental Investigation of CH <sub>4</sub> and C <sub>3</sub> H <sub>8</sub> Combustion in a Packed Bed Burner. <b>2011</b> ,	
1013	Effects of an Axisymmetric Contoured Endwall on a Nozzle Guide Vane: Convective Heat Transfer Measurements. <b>2011</b> , 133,	12

1012	The Effect of Turning Vanes on Pressure Loss and Heat Transfer of a Ribbed Rectangular Two-Pass Internal Cooling Channel. <b>2011</b> , 133,	22
1011	Heat Transfer Characteristics of an Impinging Jet in Crossflow. <b>2011</b> , 133,	14
1010	Comparison of Heat Transfer Measurement Techniques on a Transonic Turbine Blade Tip. <b>2011</b> , 133,	32
1009	Correlation of Subatmospheric Pressure, Saturated, Pool Boiling of Water on a Structured-Porous Surface. <b>2011</b> , 133,	16
1008	Influence of Flow Structure on Compound Angled Film Cooling Effectiveness and Heat Transfer. <b>2011</b> , 133,	33
1007	Transonic Turbine Blade Tip Aerothermal Performance With Different Tip Gaps Part I: Tip Heat Transfer. <b>2011</b> , 133,	51
1006	Measurement of Time-Averaged Turbulent Free Convection in a Tall Enclosure Using Interferometry. <b>2011</b> , 133,	4
1005	Flow Boiling Heat Transfer Characteristics of a Minichannel up to Dryout Condition. <b>2011</b> , 133,	23
1004	Experimental Investigation of Flow Boiling Pressure Drop of R134A in a Microscale Horizontal Smooth Tube. <b>2011</b> , 3,	12
1003	Heat Transfer Experiments in a Confined Jet Impingement Configuration Using Transient Techniques. <b>2011</b> , 133,	2
1002	Experimental Investigations on Two and Three Stage Modified Savonius Rotor. <b>2011</b> , 35, 483-509	8
1001	Flat absorbers with trapezoidal cavity for Fresnel reflecting solar concentrator. <b>2011</b> , 2, 392	
1000	Overtip Shock Wave Structure and Its Impact on Turbine Blade Tip Heat Transfer. <b>2011</b> , 133,	59
999	Convective Heat Transfer on a Rotating Disk With Transverse Air Crossflow. <b>2011</b> , 133,	17
998	Study of Narrowband Radiation Intensity Measurements from Subsonic Exhaust Plumes. <b>2011</b> , 27, 227-235	6
997	Research and development of a semi-hermetic reciprocating compressor for transcritical CO <sub>2</sub> refrigeration cycle. <b>2011</b> , 225, 101-113	3
996	Inferencing Component Maps of Gas Turbine Engine Using Bayesian Framework. <b>2011</b> , 27, 94-104	1
995	Effect of Dimple Configuration on Heat Transfer Coefficient in a Rotating Channel. <b>2011</b> , 25, 165-172	16



- 994 Two-Phase Frictional Pressure Drop and Flow Boiling Heat Transfer for R245fa in a 2.32-mm Tube. **2011**, 32, 1139-1149 25
- 993 Results from the first national UK inter-laboratory calibration for very short-lived halocarbons. **2011**, 4, 865-874 20
- 992 Performance Evaluation of an Automobile Air Conditioning System Using R134a. **2012**, 433-440, 4952-4958
- 991 Numerical Analysis on Convection Heat Transfer of Pulsating Flow in a Spiral Fluted Tube. **2012**, 516-517, 941-944
- 990 Experimental study on a two-stage rolling piston CO<sub>2</sub> compressor based on p-v indicator diagrams. **2012**, 226, 995-1003 3
- 989 Analysis of the Impact of the New Emissions Limits on the Temperatures of the Vehicle Floor. **2012**, 152-154, 976-981
- 988 Performance Study of Modified Savonius Water Turbine with Two Deflector Plates. **2012**, 2012, 1-12 62
- 987 Logarithmic Mean Pressure Difference: A New Concept in the Analysis of the Flow Distribution in Parallel Channels of Plate Heat Exchangers. **2012**, 33, 669-681 2
- 986 Experimental investigation on a two-stage CO<sub>2</sub> compressor with high back pressure. **2012**, 226, 1811-1820
- 985 Passive Effusion Cooling in a Rectangular S-Bend Diffuser. **2012**, 134,
- 984 Experimental analysis of the low-GWP refrigerant R1234yf as a drop-in replacement for R134a in a typical mobile air conditioning system. **2012**, 226, 2713-2725 21
- 983 Exergy Analysis of Data Center Thermal Management Systems. **2012**, 383-446 2
- 982 Full-Coverage Film Cooling: Film Effectiveness and Heat Transfer Coefficients for Dense and Sparse Hole Arrays at Different Blowing Ratios. **2012**, 134, 24
- 981 PERFORMANCE OF R-1234YF IN MOBILE AIR CONDITIONING SYSTEM UNDER DIFFERENT HEAT LOAD CONDITIONS. **2012**, 20, 1250016 10
- 980 Steady-State Closed-Loop Control of Bypass Boundary Layer Transition Using Plasma Actuators. **2012**, 7
- 979 Experimental study on condensation heat transfer of ethanol-water mixtures on a vertical mini-tube. **2012**,
- 978 Evaporative Heat Transfer Characteristics of R404a and R134a under Varied Heat Flux Conditions. **2012**, 25, 254-265 4
- 977 Augmentation of Heat Transfer by Creation of Streamwise Longitudinal Vortices Using Vortex Generators. **2012**, 33, 406-424 77

976	Experimental Investigation of M-Shape Heat Transfer Coefficient Distribution of R123 Flow Boiling in Small-Diameter Tubes. <b>2012</b> , 33, 584-595	7
975	Scaling range of velocity and passive scalar spectra in grid turbulence. <b>2012</b> , 24, 075101	9
974	Enhanced heat transfer with jet impingement on structured-porous surfaces. <b>2012</b> ,	1
973	Comparison of Deionized Water and FC-72 in Pool and Jet Impingement Boiling Thermal Management. <b>2012</b> , 2, 1811-1823	3
972	Forced Convective Heat Transfer Characteristics in Micro/Minicylinders Group at Low Reynolds Number. <b>2012</b> , 16, 165-180	7
971	Internal Wall-Jet Film Cooling with Straight Cylindrical Holes. <b>2012</b> , 26, 439-449	10
970	Turbulent Radiation Statistics of Exhaust Plumes Exiting from a Subsonic Axisymmetric Nozzle. <b>2012</b> , 26, 286-293	7
969	Study on the Interaction between Two Hydrokinetic Savonius Turbines. <b>2012</b> , 2012, 1-10	36
968	Heat Transfer Characteristics of an Angled Array Impinging Jet on a Concave Duct. <b>2012</b> ,	2
967	Condensation Pressure Drop and Heat Transfer in 5-mm-OD Micro-Fin Tubes. <b>2012</b> ,	
966	Experimental Investigation of Flow Boiling Instability in a Single Horizontal Microtube With and Without Inlet Restriction. <b>2012</b> , 134,	10
965	Flowfield Measurements in a Single Row of Low Aspect Ratio Pin Fins. <b>2012</b> , 134,	18
964	Effects of Orientation and Position of the Combustor-Turbine Interface on the Cooling of a Vane Endwall. <b>2012</b> , 134,	26
963	Heat-Transfer Characteristics of a Non-Rotating Two-Pass Rectangular Duct With Various Guide Vanes in the Tip Turn Region. <b>2012</b> , 134,	4
962	An Experimental and Numerical Investigation on the Thermal-Hydraulic Performance of Double Notched Plate. <b>2012</b> , 134,	4
961	Simulations of Multiphase Particle Deposition on Endwall Film-Cooling. <b>2012</b> , 134,	6
960	Heat Transfer Characteristics of an Oblique Jet Impingement Configuration in a Passage With Ribbed Surfaces. <b>2012</b> , 134,	12
959	Showerhead Film Cooling Performance of a Turbine Vane at High Freestream Turbulence in a Transonic Cascade. <b>2012</b> , 134,	10

958	Heat Transfer and Pressure Drop Measurements in a Rib Roughened Leading Edge Cooling Channel. <b>2012</b> , 134,	4
957	Simulations of Multiphase Particle Deposition on a Showerhead With Staggered Film-Cooling Holes. <b>2012</b> , 134,	5
956	Submerged Jet Impingement Boiling of Water Under Subatmospheric Conditions. <b>2012</b> , 134,	11
955	Experimental and Numerical Analyses of a Pressurized Air Receiver for Solar-Driven Gas Turbines. <b>2012</b> , 134,	50
954	Flow-Through Boiling of Isopentane in Structured-Porous Fins: Effects of System Parameters. <b>2012</b> , 134,	5
953	Critical Heat Flux in Submerged Jet Impingement Boiling of Water Under Subatmospheric Conditions. <b>2012</b> , 134,	8
952	Simulations of Multiphase Particle Deposition on Endwall Film-Cooling Holes in Transverse Trenches. <b>2012</b> , 134,	4
951	Flow Boiling Characteristics for R1234ze(E) in 1.0 and 2.2 mm Circular Channels. <b>2012</b> , 134,	20
950	Effect of Channel Orientation on the Heat Transfer Coefficient in the Smooth and Dimpled Rotating Rectangular Channels. <b>2012</b> , 134,	19
949	Mechanistic Study of Subatmospheric Pressure, Subcooled, Flow Boiling of Water on Structured-Porous Surfaces. <b>2012</b> , 134,	1
948	Theoretical and Experimental Investigation of Force Estimation Errors Using Active Magnetic Bearings With Embedded Hall Sensors. <b>2012</b> ,	2
947	Effect of DBD Plasma Actuator Geometry and Excitation for Producing Transient Growth Modes in a Laminar Boundary Layer. <b>2012</b> ,	4
946	High Temperature Film Cooling Test Facility and Preliminary Test Results. <b>2012</b> ,	2
945	Sequential Perturbation Uncertainty Propagation in Thermal-Fluid Applications. <b>2012</b> ,	1
944	Tip-Shaping for HP Turbine Blade Aero-Thermal Performance Management. <b>2012</b> ,	1
943	Full-Coverage Film Cooling: Film Effectiveness and Heat Transfer Coefficients for Dense Hole Arrays at Different Hole Angles, Contraction Ratios, and Blowing Ratios. <b>2012</b> ,	
942	Heat Transfer Measurements in an Internal Cooling System Using a Transient Technique With Infrared Thermography. <b>2012</b> ,	1
941	Effects of a Realistically Rough Surface on Vane Heat Transfer Including the Influence of Turbulence Condition and Reynolds Number. <b>2012</b> , 134,	3

940	Effect of Cross-Shaped Circular Jet Array on Impingement Heat Transfer. <b>2012,</b>	2
939	Experimental Study of Endwall Heat Transfer in a Linear Cascade. <b>2012, 395, 012028</b>	4
938	A Correlation for Critical Heat Flux in Submerged Jet Impingement. <b>2012,</b>	
937	Effect of Void Fraction on Pressure Drop in Upward Vertical Two-Phase Gas-Liquid Pipe Flow. <b>2012,</b>	1
936	Effects of Varying Streamwise and Spanwise Spacing in Pin-Fin Arrays. <b>2012,</b>	13
935	Flow Boiling Heat Transfer of R134a in a Microchannel Heat Sink. <b>2012,</b>	3
934	Experimental Investigation of Double Rows Film Cooling on Vane Pressure Side. <b>2012,</b>	
933	Experimental and Numerical Study on the Convective Heat Transfer and Pressure Loss in Rectangular Ducts With Inclined Pin-Fin on a Wavy Endwall. <b>2012,</b>	
932	Multi-Row Film Cooling Performances of a High Lift Blade and Vane. <b>2012,</b>	1
931	Experimental and theoretical analysis of the local condensation heat transfer in a plate heat exchanger. <b>2012, 395, 012169</b>	6
930	Bifurcating flows of plunging aerofoils at high Strouhal numbers. <b>2012, 708, 349-376</b>	67
929	Plumes Dynamics and Heat Transfer over Horizontal Grooved Surfaces. <b>2012, 25, 58-76</b>	4
928	Saturated flow boiling heat transfer and critical heat flux in small horizontal flattened tubes. <b>2012, 55, 7873-7883</b>	40
927	Experimental study of the condensation heat transfer characteristics of CO <sub>2</sub> in a horizontal microfin tube with a diameter of 4.95 mm. <b>2012, 48, 1867-1879</b>	1
926	Conditions for complete phase separation in an impacting tee junction at various inclinations of the outlet arms. <b>2012, 47, 66-72</b>	23
925	Flash gas bypass in mobile air conditioning system with R134a. <b>2012, 35, 1869-1877</b>	57
924	Experimental investigation of evaporation heat transfer and pressure drop of ammonia in a 30° chevron plate heat exchanger. <b>2012, 35, 1757-1765</b>	25
923	Convective heat transfer characteristics of secondary refrigerant based CNT nanofluids in a tubular heat exchanger. <b>2012, 35, 2287-2296</b>	57

922	Development of a mini-channel evaporator model using R1234yf as working fluid. <b>2012</b> , 35, 2166-2178	30
921	Estimation of bonding quality between bitumen and aggregate under asphalt mixture manufacturing condition by thermal contact resistance measurement. <b>2012</b> , 55, 6854-6863	9
920	Comparison of synthetic and steady air jets for impingement heat transfer over vertical surfaces. <b>2012</b> ,	1
919	Lateral motion of bubbles from surfaces with mini ratchet topography modifications during pool boiling- experiments and preliminary model. <b>2012</b> ,	1
918	Ice Growth Measurements from Image Data to Support Ice-Crystal and Mixed-Phase Accretion Testing. <b>2012</b> ,	7
917	Ground properties evaluation for the design of geothermal heat pump systems and uncertainty measurement during the Thermal Response Test. <b>2012</b> ,	1
916	Experimental and Numerical Study of Flow and Heat Transfer in Trapezoidal Microchannels. <b>2012</b> , 33, 972-981	18
915	Experimental investigation of the thermo-physical properties of water-ethylene glycol mixture based CNT nanofluids. <b>2012</b> , 545, 180-186	175
914	Use of ultrasonic waves in sub-cooled boiling. <b>2012</b> , 47, 95-110	21
913	A novel design of pulsating heat pipe with fewer turns applicable to all orientations. <b>2012</b> , 55, 5722-5728	93
912	Assessing the influence of four cutting methods on the thermal contact resistance of open-cell aluminum foam. <b>2012</b> , 55, 6142-6151	22
911	Assessing the influence of four bonding methods on the thermal contact resistance of open-cell aluminum foam. <b>2012</b> , 55, 6200-6210	44
910	Flow boiling heat transfer analysis of new experimental data of CO <sub>2</sub> in a micro-fin tube at 30°C. <b>2012</b> , 59, 38-44	8
909	Quantification of uncertainty propagation due to input parameters for simple heat transfer problems. <b>2012</b> , 60, 94-105	19
908	Air cooling by multiport slabs heat exchanger: An experimental approach. <i>Experimental Thermal and Fluid Science</i> , <b>2012</b> , 42, 46-54	3 11
907	Two-phase air-water flow through a large diameter vertical 180° return bend. <b>2012</b> , 79, 138-152	29
906	Measured end-use electric load profiles for 12 Canadian houses at high temporal resolution. <b>2012</b> , 49, 519-530	62
905	Effects of End Plates and Blockage on Low-Reynolds-Number Flows Over Airfoils. <b>2012</b> , 50, 1547-1559	29

904	Experimental study of the turbulent flow around a single wall-mounted cube exposed to a cross-flow and an impinging jet. <b>2012</b> , 38, 50-71	19
903	Experimental study of air natural convection on metallic foam-sintered plate. <b>2012</b> , 38, 126-132	19
902	CO2 and R410A: Two-phase flow visualizations and flow boiling measurements at medium (0.50) reduced pressure. <b>2012</b> , 49, 2-8	12
901	Measurements of heat transfer enhanced by the use of transverse vortex generators. <b>2012</b> , 49, 61-72	7
900	Measurement of in-cylinder soot particles and their distribution in an optical HSDI diesel engine using time resolved laser induced incandescence (TR-LII). <b>2012</b> , 159, 2985-2998	30
899	Impact of fuel formulation on the nanostructure and reactivity of diesel soot. <b>2012</b> , 159, 3597-3606	210
898	An experimental comparison of two heat exchangers used in wastewater source heat pump: A novel dry-expansion shell-and-tube evaporator versus a conventional immersed evaporator. <b>2012</b> , 47, 600-608	37
897	Microfabrication of short pin fins on heat sink surfaces to augment heat transfer performance. <b>2012</b> ,	3
896	Correlations for natural convective heat exchange in CPC solar collector cavities determined from experimental measurements. <b>2012</b> , 86, 2443-2457	21
895	Effect of streamwise spacing on periodic and random unsteadiness in a bundle of short cylinders confined in a channel. <b>2012</b> , 53, 1779-1796	7
894	Low Reynolds number airfoil aerodynamic loads determination via line integral of velocity obtained with particle image velocimetry. <b>2012</b> , 53, 1177-1190	13
893	Aerodynamic performance of a wing with a deflected tip-mounted reverse half-delta wing. <b>2012</b> , 53, 1221-1232	3
892	Wake development in staggered short cylinder arrays within a channel. <b>2012</b> , 53, 673-697	32
891	Vortex dynamics and scalar transport in the wake of a bluff body driven through a steady recirculating flow. <b>2012</b> , 53, 747-763	8
890	Experimental study of a chimney enhanced heat emitter designed for internal renovation of buildings. <b>2012</b> , 54, 169-178	8
889	Experimental Investigation of Transverse Injection Flowfield at March 5 and the Influence of Impinging Shock Wave. <b>2012</b> ,	8
888	Energy Efficient Thermal Management of Data Centers. <b>2012</b> ,	54
887	Thermocouple thermal inertia effects on impingement heat transfer experiments using the transient liquid crystal technique. <b>2012</b> , 23, 115303	35

886	Study of parameters and entrainment of a jet in cross-flow arrangement with transition at two low Reynolds numbers. <b>2012</b> , 53, 965-987	6
885	Experimental study of flow and heat transfer characteristics of natural convection in an enclosure with horizontal parallel heated plates. <b>2012</b> , 55, 7072-7078	5
884	Convective Heat Transfer Characteristics of Silver-Water Nanofluid Under Laminar and Turbulent Flow Conditions. <b>2012</b> , 4,	21
883	Steady energy deposition at Mach 5 for drag reduction. <b>2012</b> , 23, 285	9
882	Predicting Heat Transfer From Unsteady Synthetic Jets. <b>2012</b> , 134,	19
881	First average and local heat transfer measurements on a forced air-flow at low Re-numbers through a rectangular channel with ribbed surfaces. <b>2012</b> , 395, 012042	3
880	Passive Effusion Cooling in a Rectangular S-Bend Diffuser. <b>2012</b> ,	
879	Effect of Guide Vanes in the Tip Turn Region on Heat/Mass Transfer of Rotating Two-Pass Channel. <b>2012</b> ,	
878	Experimental study of micro-particle fouling under forced convective heat transfer. <b>2012</b> , 29, 713-724	11
877	Mid-span PIV Measurements of a Low Aspect Ratio Circulation Control Wing. <b>2012</b> ,	1
876	Thermal Performance of High-Flow Single-Phase Liquid-Cooled Heat Sinks. <b>2012</b> ,	
875	Performance Measurements of a Unique Louver Particle Separator for Gas Turbine Engines. <b>2012</b> ,	
874	A study of intermittent spray cooling process through application of a sequential function specification method. <b>2012</b> , 20, 553-569	13
873	Experimental Investigation of Thermal Performance in a Concentric-Tube Heat Exchanger with Wavy Inner Pipe. <b>2012</b> , 33, 1055-1067	10
872	Heat transfer and performance characteristics of axial cooling fans with downstream guide vanes. <b>2012</b> , 21, 162-171	1
871	Influence of coolant injector configuration on film cooling effectiveness for gaseous and liquid film coolants. <b>2012</b> , 48, 849-861	10
870	Sublimation of vertically oriented paradichlorobenzene cylinders in a natural convection environment. <b>2012</b> , 48, 1005-1010	1
869	Experimental investigation of thermal comfort and air quality in an automobile cabin during the cooling period. <b>2012</b> , 48, 1375-1384	14

868	Flow regime transition for cocurrent gas-liquid flow in micro-channels. <b>2012</b> , 69, 578-586		34
867	Influence of the ultrasounds on the heat transfer in single phase free convection and in saturated pool boiling. <i>Experimental Thermal and Fluid Science</i> , <b>2012</b> , 36, 12-21	3	40
866	Analysis of factors influencing thermal conductivity and viscosity in different kinds of surfactant solutions. <i>Experimental Thermal and Fluid Science</i> , <b>2012</b> , 36, 22-29	3	131
865	Fluid flow characteristics for shell side of double-pipe heat exchanger with helical fins and pin fins. <i>Experimental Thermal and Fluid Science</i> , <b>2012</b> , 36, 30-43	3	19
864	Experimental investigation of condensation in micro-fin tubes of different geometries. <i>Experimental Thermal and Fluid Science</i> , <b>2012</b> , 37, 19-28	3	42
863	Experimental study on heat transfer and pressure drop of nanofluid flow in a horizontal coiled wire inserted tube under constant heat flux. <i>Experimental Thermal and Fluid Science</i> , <b>2012</b> , 36, 158-168	3	95
862	Effect of corrosion on performance of fin-and-tube heat exchangers with different fin materials. <i>Experimental Thermal and Fluid Science</i> , <b>2012</b> , 37, 98-103	3	15
861	Experimental investigation on hydrodynamics and heat transfer of fluid flow into channel for cooling of rectangular ribs by passive and EHD active enhancement methods. <i>Experimental Thermal and Fluid Science</i> , <b>2012</b> , 38, 61-73	3	37
860	Experimental evaluation of the critical local wall shear stress around cylindrical probes fouled by diesel exhaust gases. <i>Experimental Thermal and Fluid Science</i> , <b>2012</b> , 38, 85-93	3	10
859	Single- and two-phase pressure losses in a horizontal mini-size impacting tee junction with a rectangular cross-section. <i>Experimental Thermal and Fluid Science</i> , <b>2012</b> , 41, 67-76	3	8
858	A sensor-equipped microchannel system for the thermal characterization of rarefied gas flows. <i>Experimental Thermal and Fluid Science</i> , <b>2012</b> , 41, 112-120	3	5
857	Passive control of premixed lifted flame in a dump combustor. <b>2012</b> , 93, 67-74		7
856	Thermal and rheological characteristics of CuOBase oil nanofluid flow inside a circular tube. <b>2012</b> , 39, 152-159		123
855	Endwall convective heat transfer for bluff bodies. <b>2012</b> , 39, 167-173		7
854	Flow pattern maps for convective boiling of CO <sub>2</sub> and R410A in a horizontal smooth tube: Experiments and new correlations analyzing the effect of the reduced pressure. <b>2012</b> , 55, 1519-1528		44
853	Condensation from superheated vapor flow of R744 and R410A at subcritical pressures in a horizontal smooth tube. <b>2012</b> , 55, 2779-2791		22
852	Air-side performance of herringbone wavy fin-and-tube heat exchangers under dehumidifying condition [Data with larger diameter tube. <b>2012</b> , 55, 3054-3060		32
851	Enhancement of heat transfer coefficients by actuation against an impinging jet. <b>2012</b> , 55, 4183-4194		10



850	Heat transfer characteristics of submerged jet impingement boiling of saturated FC-72. <b>2012</b> , 55, 4217-4231	30
849	Influence of flow injection angle on a leading-edge horseshoe vortex. <b>2012</b> , 55, 4651-4664	22
848	An investigation of cross-corrugated heat exchanger primary surfaces for advanced intercooled-cycle aero engines (Part-I: Novel geometry of primary surface). <b>2012</b> , 55, 5256-5267	42
847	Through-plane thermal conductivity of the microporous layer in a polymer electrolyte membrane fuel cell. <b>2012</b> , 37, 5161-5169	36
846	Single phase cooling of large surfaces with square arrays of impinging water sprays. <b>2012</b> , 36, 161-170	11
845	Application of asymptotic model for the prediction of fouling rate of calcium sulfate under subcooled flow boiling. <b>2012</b> , 39, 105-113	43
844	Effect of longitudinal vortex generator on heat transfer in rectangular channels. <b>2012</b> , 37, 67-72	76
843	Experimental study on an inverter heat pump with HFC125 operating near the refrigerant critical point. <b>2012</b> , 39, 1-7	15
842	Effect of non-uniform air velocity distribution on evaporator performance and its improvement on a residential air conditioner. <b>2012</b> , 40, 284-293	22
841	Experimental investigation of evaporation heat transfer and pressure drop of ammonia in a 60° chevron plate heat exchanger. <b>2012</b> , 35, 336-348	32
840	Evaluation of control parameters effects on system performance with Taguchi method in waste heat recovery application using mechanical heat pump. <b>2012</b> , 35, 795-809	12
839	Experimental investigations of transpiration cooling applied to C/C material. <b>2012</b> , 54, 70-81	55
838	Thermal-flow characteristics of the new wave-finned flat tube bundles in air-cooled condensers. <b>2012</b> , 53, 166-174	37
837	Describing Uncertainties Encountered during Laboratory Turbocharger Compressor Tests. <b>2012</b> , 36, 53-61	16
836	An experimental investigation of nucleate pool boiling in aqueous solutions of a polymer. <b>2012</b> , 58, 668-677	7
835	Quantitative infrared investigation of local heat transfer in a circular finned tube heat exchanger assembly. <b>2013</b> , 44, 197-207	14
834	Full-Coverage Film Cooling: Film Effectiveness and Heat Transfer Coefficients for Dense Hole Arrays at Different Hole Angles, Contraction Ratios, and Blowing Ratios. <b>2013</b> , 135,	13
833	Experimental Studies on Wire Coiled Coil Matrix Turbulators with and Without Centre Core Rod. <b>2013</b> , 38, 2557-2568	5

832	Convective Heat Transfer and Pressure Loss in Rectangular Ducts With Inclined Pin-Fin on a Wavy Endwall. <b>2013</b> , 135,	3
831	Performance Measurements of a Unique Louver Particle Separator for Gas Turbine Engines. <b>2013</b> , 135,	3
830	Experimental investigation on heat transfer of forced convection condensation of ethanol/water vapor mixtures on a vertical mini-tube. <b>2013</b> , 49, 1231-1241	5
829	A numerical and experimental study of natural convective heat transfer from an inclined isothermal square cylinder with an exposed top surface. <b>2013</b> , 49, 601-616	8
828	Flow resistance and heat transfer characteristics in micro-cylinders-group. <b>2013</b> , 49, 733-744	14
827	Comparison of heat transfer distributions on a flat plate impinged by under-expanded jets from a convergent nozzle and a circular orifice. <b>2013</b> , 49, 309-326	7
826	Performance assessment of an off-the-shelf R744 heat pump equipped with an ejector. <b>2013</b> , 59, 568-575	25
825	Second Law Analysis of Aerodynamic Losses: Results for a Cambered Vane With and Without Film Cooling. <b>2013</b> , 135,	3
824	Natural Convective Heat Transfer from Narrow Plates. <b>2013</b> ,	3
823	Experimental study on thermal/hydraulic performance of a wavy fin-and-flat tube aluminum heat exchanger. <b>2013</b> , 51, 32-39	54
822	Heat transfer and flow features of Al <sub>2</sub> O <sub>3</sub> /water nanofluids flowing through a circular microchannel [Experimental results and correlations. <b>2013</b> , 61, 86-92	47
821	Dehydration rate measurements for tertiary-butanol in a variable pressure flow reactor. <b>2013</b> , 117, 8997-9004	4
820	Internal Cooling Using Porous Turbulators: Heat Transfer and Pressure Drop Measurements. <b>2013</b> , 27, 526-533	1
819	Thermo-Fluid Dynamics of an Array of Impinging Ionic Jets in a Crossflow. <b>2013</b> , 135,	4
818	Low Aspect Ratio Oscillating Flexible Wings at Low Reynolds Numbers. <b>2013</b> ,	2
817	Design of high pressure differential volumetric adsorption measurements with increased accuracy. <b>2013</b> , 19, 1211-1234	11
816	Experimental and numerical investigation of a fully confined impingement round jet. <b>2013</b> , 65, 873-882	41
815	Influence of tip clearance on heat transfer efficiency in micro-cylinders-group heat sink. <i>Experimental Thermal and Fluid Science</i> , <b>2013</b> , 46, 64-73	3 15

814	Convective heat transfer characteristics of CNT nanofluids in a tubular heat exchanger of various lengths for energy efficient cooling/heating system. <b>2013</b> , 60, 413-421	53
813	Infrared Imaging and Spatiotemporal Radiation Properties of a Turbulent Nonpremixed Jet Flame and Plume. <b>2013</b> , 135,	9
812	Experimental investigation of thermal balance of a turbocharged SI engine operating on natural gas. <b>2013</b> , 60, 200-207	47
811	Experimental and numerical investigation of nanofluid heat transfer in helically coiled tubes at constant wall temperature using dispersion model. <b>2013</b> , 58, 480-491	83
810	Experimental and numerical analysis of natural convection heat transfer coefficient of V-type fin configurations. <b>2013</b> , 27, 2191-2197	11
809	Experimental Investigation of Soil Thermal Conductivity Over a Wide Temperature Range. <b>2013</b> , 34, 1110-1129	41
808	Evolution of residual stress redistribution associated with localized surface microcracking in shot-peened medium-carbon steel during fatigue test. <b>2013</b> , 55, 147-157	44
807	Endwall Loss and Mixing Analysis of a High Lift Low Pressure Turbine Cascade. <b>2013</b> , 135,	5
806	Measurements of Adiabatic Film and Overall Cooling Effectiveness on a Turbine Vane Pressure Side With a Trench. <b>2013</b> , 135,	24
805	Tip-Shaping for HP Turbine Blade Aerothermal Performance Management. <b>2013</b> , 135,	18
804	One and two degrees-of-freedom Vortex-Induced Vibration experiments with yawed cylinders. <b>2013</b> , 42, 401-420	48
803	Passive control of unsteady-wing tip vortex via a slender half-delta wing in both reverse and regular configurations. <b>2013</b> , 54, 1	4
802	Turbulent friction drag reduction using electroactive polymer and electromagnetically driven surfaces. <b>2013</b> , 54, 1	26
801	Visualization and structure of confined, milliscale, unsteady impinging slot jets and associated vortices. <b>2013</b> , 54, 1	6
800	Damped harmonic system modeling of post-impact drop-spread dynamics on a hydrophobic surface. <b>2013</b> , 25, 082112	22
799	Orientation effect on heat transfer of a shrouded LED backlight panel with a plate-fin array. <b>2013</b> , 42, 51-54	11
798	Heat Transfer and Pressure Drop Measurements in High Solidity Pin Fin Cooling Arrays With Incremental Replenishment. <b>2013</b> , 135,	1
797	Heat Transfer Measurements in an Internal Cooling System Using a Transient Technique With Infrared Thermography. <b>2013</b> , 135,	5

796	Impact of the Combustor-Turbine Interface Slot Orientation on the Durability of a Nozzle Guide Vane Endwall. <b>2013</b> , 135,		6
795	High Resolution Heat Transfer Measurement on Flat and Contoured Endwalls in a Linear Cascade. <b>2013</b> , 135,		6
794	Experimental study of soot particle fouling on ribbed plates: Applicability of the critical local wall shear stress criterion. <i>Experimental Thermal and Fluid Science</i> , <b>2013</b> , 44, 364-373	3	17
793	The substitution of R134a with R744: An exergetic analysis based on experimental data. <b>2013</b> , 36, 2148-2159		30
792	Comparative study of intermittent spray cooling in single and two phase regimes. <b>2013</b> , 74, 174-182		26
791	Optimum thermal design of interrupted microchannel heat sink with rectangular ribs in the transverse microchambers. <b>2013</b> , 51, 880-889		128
790	Study on the operating performance of cross hot-gas bypass defrosting system for air-to-water screw heat pumps. <b>2013</b> , 59, 398-404		18
789	Heat Transfer and Pressure Loss in Rectangular One-Side-Ribbed Channels With Different Aspect Ratios. <b>2013</b> , 135,		11
788	Heat Transfer in an Oblique Jet Impingement Configuration With Varying Jet Geometries. <b>2013</b> , 135,		5
787	Experimental and numerical simulation of a two-dimensional unglazed transpired solar air collector. <b>2013</b> , 93, 209-219		26
786	Heat transfer augmentation using a rib-dimple compound cooling technique. <b>2013</b> , 51, 435-441		74
785	Experimental investigation on convective heat transfer from a horizontal miniature tube to methane at supercritical pressures. <b>2013</b> , 58, 490-498		41
784	Aerodynamic Loss Measurements in a Compressible Flow Vane Cascade Showing the Influence of Reynolds Number Lapse. <b>2013</b> ,		
783	Experimental investigations of fouling reduction in an ultrasonically-assisted heat exchanger. <i>Experimental Thermal and Fluid Science</i> , <b>2013</b> , 46, 111-119	3	15
782	Water jet impingement boiling from structured-porous surfaces. <b>2013</b> , 63, 445-453		24
781	The calibration and validation of a model for simulating the thermal and electrical performance of a 1 kWAC proton-exchange membrane fuel-cell micro-cogeneration device. <b>2013</b> , 221, 435-446		10
780	Numerical and experimental investigation of a new film cooling geometry with high P/D ratio. <b>2013</b> , 66, 366-375		18
779	Theoretical and experimental study of a 300-W beta-type Stirling engine. <b>2013</b> , 59, 590-599		68

778	Measurement of thermal conductivity and heat pipe effect in hydrophilic and hydrophobic carbon papers. <b>2013</b> , 60, 134-142		37
777	Experimental study on the heat transfer characteristics of nanorefrigerants in an internal thread copper tube. <b>2013</b> , 64, 559-566		37
776	Flow boiling of non-azeotropic mixture R32/R1234ze(E) in horizontal microfin tubes. <b>2013</b> , 36, 2366-2378		74
775	Effect of CF3Br on C103 ignition and laminar flame speed: Numerical and experimental evaluation. <b>2013</b> , 160, 1044-1059		25
774	Flow evolution of a turbulent submerged two-dimensional rectangular free jet of air. Average Particle Image Velocimetry (PIV) visualizations and measurements. <b>2013</b> , 44, 764-775		21
773	Experiments on transitional shock wave--boundary layer interactions at Mach 5. <b>2013</b> , 54, 1		17
772	Low Reynolds number thermo-hydraulic characterization of offset and diamond minichannel metal heat sinks. <i>Experimental Thermal and Fluid Science</i> , <b>2013</b> , 51, 227-238	3	19
771	A combined method for analyzing the effective thermal conductivity evolution of satin weave thermoset prepregs during preforming process. <b>2022</b> , 177, 107574		
770	Enhanced heat transfer coefficient of flow boiling in microchannels through expansion areas. <b>2022</b> , 177, 107573		2
769	Study of steam jet characteristics and regime maps for bevelled spray nozzles exhausting into quiescent water. <b>2022</b> , 190, 122780		0
768	Experimental study on carbon dioxide hydrate formation in the presence of static magnetic field. <b>2022</b> , 170, 106764		0
767	Study on activated carbon/silica gel/lithium chloride composite desiccant for solid dehumidification. <b>2022</b> , 251, 123874		3
766	A narrow shape double-layer microchannel heat sink (DL-MCHS) designed for high-power laser crystal. <b>2022</b> , 211, 118456		0
765	Experimental and numerical investigation of additively manufactured novel compact plate-fin heat exchanger. <b>2022</b> , 190, 122818		0
764	Study of the heat transfer characteristics and waste heat recovery of hot gas with coagulative particles flowing through a moving granular bed filter (MGBF). <b>2022</b> , 211, 118444		0
763	Experimental study on the effects of using metal foam on R-134a flow boiling in annular tubes. <b>2022</b> , 177, 107546		0
762	Experimental investigation of flow boiling characteristics in counter-flow microchannels with different mass flux distributions. <b>2022</b> , 190, 122768		1
761	Influences of groove configuration and density ratio on grooved leading-edge showerhead film cooling using the pressure sensitive paint measurement technique. <b>2022</b> , 190, 122641		0

760	Model construction and performance investigation of multi-section compound parabolic concentrator with solar vacuum tube. <b>2022</b> , 250, 123887	0
759	Investigation on thermal performance of electric heaters with nanofluids. <b>2022</b> , 320, 123966	
758	Experimental and numerical study of heat transfer and pressure loss in a multi-convergent swirl tube with tangential jets. <b>2022</b> , 190, 122797	1
757	The evaluation of the effective thermal conductivity of metal-foam loaded phase change materials. <b>2022</b> , 51, 104450	1
756	Experimental and theoretical study for suitability of hybrid nano enhanced phase change material for thermal energy storage applications. <b>2022</b> , 51, 104431	1
755	Experimental study of a single-tube multi-fin row of tube evaporator. <b>2022</b> , 211, 118385	0
754	Effect of diamond microparticles on the thermal behavior of low melting point metal: An experimental and numerical study. <b>2022</b> , 178, 107613	1
753	Effects of jet-to-target spacing on primary and secondary peak heat transfer for an obliquely impinging jet. <b>2022</b> , 191, 122831	0
752	Investigation of the maximum tunnel ceiling temperature caused by two fires. <b>2022</b> , 178, 107596	1
751	Effects of 25 kHz ultrasound from single and double transducers on thermal and friction characteristics of laminar flows in water or water-based Al <sub>2</sub> O <sub>3</sub> nanofluids. <b>2022</b> , 178, 107604	0
750	Effect of unheated segment on heat transfer over a thermally thick material under forced flow. <b>2022</b> , 178, 107585	2
749	An experimental examination of a helically coiled conical cavity receiver with Scheffler dish concentrator in terms of energy and exergy performance. <b>2022</b> , 52, 102221	
748	Numerical investigation of condensation characteristics of a moist air-to-air plate-fin heat exchanger and experimental validation. <b>2022</b> , 191, 122846	1
747	Improving the accuracy of predicting the performance of solar collectors through clustering analysis with artificial neural network models. <b>2022</b> , 8, 3970-3981	2
746	Enhancing Absorption Performance of CO by Amine Solution through the Spiral Wired Channel in Concentric Circular Membrane Contactors.. <b>2021</b> , 12,	0
745	Experimental Study on Flow and Heat Transfer Characteristics in the Circular-Arc-Shaped Flow Channel. <b>2022</b> , 12, 376	0
744	Reduced Pressure Effect on The Centerline Plume Temperatures of Elevated n-Heptane Fires in an Aircraft Cargo Compartment. 1-17	0
743	Experimental and CFD Characterization of a Double-Orifice Synthetic Jet Actuator for Flow Control. <b>2021</b> , 10, 326	0

742	Influence of heat storage materials in a concentrated solar absorber for space heating. <b>2021,</b>	
741	Performance study on phase change material integrated solar still coupled with solar collector. <b>2021,</b>	2
740	Experimental Investigation on Flow Past an Isolated Micro Pin Fin Embedded in a Microchannel. 1-23	1
739	LQR Optimal Control Applied in an Energy Harvesting System with Non-ideal Excitation Operating with Uncertain Parameters. <b>2022,</b> 381-392	
738	Numerical and Experimental Investigation on the Performance of Battery Thermal Management System Based on Micro Heat Pipe Array. 1	
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735	Film cooling performance on pressure side of turbine blade with different number of hole rows under rotating state. <b>2022,</b> 107569	2
734	Heat Transfer and Pressure Drop in Single-Phase Flows in Tapered Microchannels. <b>2022,</b>	0
733	Deep neural network prediction for effective thermal conductivity and spreading thermal resistance for flat heat pipe. <b>2022,</b> ahead-of-print,	0
732	Heat generation and surrogate model for large-capacity nickel-rich prismatic lithium-ion battery as against 18650 battery. <b>2022,</b> 104783	0
731	Performance investigation on electrodialysis regeneration of potassium formate desiccant solution for liquid desiccant air-conditioning systems. <b>2022,</b> 112112	0
730	Heat fluxes distribution and uncertainty in low-Reynolds flow regimes inside a ribbed channel. <b>2022</b> , 2177, 012037	
729	Microchannel cooling technique for dissipating high heat flux on W/Cu flat-type mock-up for EAST divertor.	0
728	Comparison of experimental performance of absorption refrigeration cycle using NH <sub>3</sub> /LiNO <sub>3</sub> +H <sub>2</sub> O working fluids with different water component proportions. <b>2022,</b>	
727	A novel system for aircraft cabin heating based on a vapor compression system and heat recovery from engine lubricating oil. <b>2022,</b> 118544	3
726	The effect of MHD flow on hydrothermal characteristics of ferro-nano-fluid in circular pipe. 1-15	0
725	Effect of Blockage Inside Holes on Film Cooling Performance on the Suction Side of a Turbine Guide Vane. <b>2022,</b> 15, 2935	0

7 <sup>24</sup>	Determining the Composition of Carbonate Solvent Systems Used in Lithium-Ion Batteries without Salt Removal. <b>2022</b> , 15, 2805		
7 <sup>23</sup>	Effect of Different Cooling Methods on Thermal Performance of Single Loop Pulsating Heat Pipe. <b>2022</b> , 2177, 012035		
7 <sup>22</sup>	Condensation Flow and Heat Transfer Characteristics of R410A in Micro-Fin Tubes and Three-Dimensional Surface Enhanced Tubes. <b>2022</b> , 15, 2951		
7 <sup>21</sup>	Construction and analysis of a compound parabolic concentrator to eliminate light escape in the interlayer of solar vacuum tube. <b>2022</b> , 191, 225-237		0
7 <sup>20</sup>	Effect of design parameters on the performance of helical Darrieus hydrokinetic turbines. <b>2022</b> , 162, 112431		1
7 <sup>19</sup>	Electrohydrodynamic and heat transfer characteristics of a planar ionic wind generator with flat electrodes. <b>2022</b> , 211, 118508		0
7 <sup>18</sup>	A brief study on the implementation of helical cross-flow hydrokinetic turbines for small scale power generation in the Indian SHP sector. <b>2022</b> ,		
7 <sup>17</sup>	Heat transfer augmentation of porous media (metallic foam) and phase change material based heat sink with variable heat generations: An experimental evaluation. <b>2022</b> , 52, 102218		0
7 <sup>16</sup>	Experimental study of natural convection heat transfer characteristics affected by electrical field with periodically changed direction. <b>2022</b> , 179, 107629		0
7 <sup>15</sup>	Thermal-hydraulic performance of additively manufactured lattices for gas turbine blade trailing edge cooling. <b>2022</b> , 211, 118461		1
7 <sup>14</sup>	Dynamics of chugging phenomenon induced by subsonic and supersonic steam-air jet condensation in water flow. <i>Experimental Thermal and Fluid Science</i> , <b>2022</b> , 136, 110672	3	0
7 <sup>13</sup>	Experimental and numerical study on the laminar burning velocities of n-decane/toluene/air mixtures at elevated temperatures. <b>2022</b> , 322, 124176		1
7 <sup>12</sup>	Enhanced Effectiveness and Thermal Performance Factor of Nickel Nanofluid Flow in a Plate Heat Exchanger. <b>2022</b> ,		1
7 <sup>11</sup>	Experimental Investigation of Pressure Oscillation in Steam Jet Condensation Through a Sparger in Stagnant Water.		
7 <sup>10</sup>	Experimental Investigation of Pressure Oscillation in Steam Jet Condensation Through a Sparger in Stagnant Water.		
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- 705 Buoyancy Driven Mixed Convection and Radiation Heat Transfer in a Tilted Vented Cavity. 1-46
- 704 Theoretical and experimental analysis of temperature variation of Viii black ceramic solar collector. **2022**,
- 703 Thermal Characterization and Thermal Effect Assessment of Biofouling around a Dynamic Submarine Electrical Cable. **2022**, 15, 3087
- 702 Experimental study on improved performance of an automotive CO2 air conditioning system with an evaporative gas cooler. **2022**, 0
- 701 Experimental investigation of heat transfer from elliptic tubes heat exchanger immersed in a fluidized bed. 1
- 700 Experimental Study on Heating Performance and a Novel Calculation Method of Water Outlet Temperature Based on Air Source Transcritical CO2 Heat Pump System. **2022**, 10,
- 699 Visualization study on oil retention and flow characteristics of R32/PVE oil in suction lines with different flow orientations. **2022**,
- 698 Experimental comparison on condensation and evaporation outside double-side enhanced horizontal tubes. **2022**, 14, 168781322210970
- 697 The influence of a plate obstacle on the burning behavior of small scale pool fires: An experimental study. **2022**, 124223 0
- 696 Influence of various additives on stability and phase change characteristics of DI water-GnP-based NFPCM for cold thermal energy storage systems.. **2022**, 0
- 695 Experimental investigation on heat transfer performance based on average thermal-resistance ratio for supercritical carbon dioxide in asymmetric airfoil-fin printed circuit heat exchanger. **2022**, 124164 2
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- 693 Bubble lift-off diameter and frequency in ferrofluid subcooled flow boiling. 1-21
- 692 Experimental and Numerical Investigations into the Blade Tip Phantom Cooling Performance. **2022**, 1
- 691 Optimization of diesel engine performance and emissions with biodiesel-diesel blends and EGR using response surface methodology (RSM). **2022**, 100509 1
- 690 Passive flow control of vortex-induced vibrations of a low mass ratio circular cylinder oscillating in two degrees-of-freedom. **2022**, 254, 111366 0
- 689 Experimental evaluation of energetic and exergetic enactment for exotic evaporative to expansion-type edifice-coolers. **2022**, 135, 106064

- 688 Experimental study of thermal energy battery working with nano-enhanced phase change material. **2022**, 34, 102051 0
- 687 Experimental and numerical study on the effect of CO<sub>2</sub> dilution on the laminar combustion characteristics of premixed CH<sub>4</sub>/H<sub>2</sub>/air flame. **2022**, 102, 315-326
- 686 A novel solution method for reflector shape of solar Compound Parabolic Concentrator and verification. **2022**, 192, 385-395 1
- 685 Heat transfer enhancement of solar collector by placing wire mesh stainless porous material on the solar absorber plate of indirect forced convection solar dryer. **2022**, 32, 101304 0
- 684 Flow and heat transfer characteristics of liquid (n-decane) inside helically coiled microtube. **2022**, 212, 118558
- 683 Study on smoke temperature profile in bifurcated tunnel fires with various bifurcation angles under natural ventilation. **2022**, 225, 105001 0
- 682 Experimental Investigations of Screech Mitigation and Amplification by Beveled and Double-Beveled Nozzles. **2022**, 35,
- 681 Enhanced performance of thermoelectric cooler with phase change materials: An experimental study. **2022**, 212, 118612 0
- 680 Experimental study on the augmented Nusselt number of the endwall through a square-sectioned sharp-turn channel using novel heat exchanger. **2022**, 192, 122920
- 679 Experimental investigation on flow and heat transfer characteristics of He-Xe gas mixture. **2022**, 192, 122942 1
- 678 An experimental study on burning characteristics and temperature distribution of inert porous sand bed soaked by leaked combustible liquid. **2022**, 179, 107594 0
- 677 Experimental investigation to assess the efficacy of gasoline surrogates with engine testing. **2022**, 324, 124493 2
- 676 Experimental and numerical study of heat transfer performance of a channel flow with an inverted flag. **2022**, 193, 122969 0
- 675 Surrogate models for lithium-ion battery heat generation based on orthogonal experiments by eliminating external wire connection effect. **2022**, 118655 0
- 674 Effects of electromagnetic-vibration fan with folding blades on convective heat transfer. **2022**, 118651 2
- 673 A general prediction model of minimum film boiling temperature during quenching propagation in narrow rectangular channel. **2022**, 118640 0
- 672 Experimental investigation of critical heat flux, pressure drop and heat transfer coefficient for the flow boiling in a horizontal lobed channel with R-123. 1-29
- 671 Numerical and experimental study on natural convection outside tube bundle under small convection temperature difference. **2022**, 149, 104266

670	All-day freshwater production enabled by an active continuous sorption-based atmospheric water harvesting system. <b>2022</b> , 264, 115745	3
669	An Investigation of Emulsified Heavy Fuel Oil with High Water Content Applied to a High-Speed Diesel Engine. <b>2022</b> , 148,	0
668	Thermophoretic microfluidic cells for evaluating Soret coefficient of colloidal particles. <b>2022</b> , 194, 123002	0
667	Experimental study about the tip phantom cooling with different cooling-hole configurations on the blade-surface. <b>2022</b> , 194, 122999	
666	Experimental and Numerical Investigation of Impingement Heat Transfer on Target Plate with Streamlined Roughness Element at Maximum Crossflow Condition. <b>2022</b> , 31, 751-764	
665	Heated wind-tunnel experiments and numerical investigations on hypersonic blunt cone aerodynamic heating. <b>2022</b> ,	0
664	Investigation on cross-flow three-fluid compact heat exchanger under flow non-uniformity: an experimental study with ANN prediction. 1-31	
663	Experimental investigation on water vapor permeability in porous dust layers on cold fin surface of heat exchanger. <b>2022</b> ,	1
662	Obtaining synthetic indications and sorting relevant structures from complex hierarchical clusters of multivariate data.	
661	Enhancement of solar absorption performance using TiN@SiCw plasmonic nanofluids for effective photo-thermal conversion: Numerical and experimental investigation. <b>2022</b> , 193, 1062-1073	0
660	Experimental performance evaluation of date palm fibers for a direct evaporative cooler operating in hot and arid climate. <b>2022</b> , 35, 102119	1
659	Cooling performance analysis of nanofluid assisted novel photovoltaic thermoelectric air conditioner for energy efficient buildings. <b>2022</b> , 213, 118691	0
658	Measurement and scaling of turbulent burning velocity of ammonia/methane/air propagating spherical flames at elevated pressure. <b>2022</b> , 242, 112183	0
657	An inverter-driven heat pump with a multi-tubular tube-in-tube heat exchanger for domestic hot water supply. <b>2022</b> , 54, 104694	0
656	Experimental characterization of a double tube heat exchanger with different corrugated tubes and shells. <b>2022</b> , 179, 107640	1
655	A testbed for a magnetic refrigeration system at room temperature and its experimental evaluation. <b>2022</b> , 265, 115771	0
654	An experimental investigation of ejector employed a dual-evaporator vapor compression refrigeration system under various entrainment ratios using R134a as the refrigerant. <b>2022</b> , 52, 102293	0
653	Enhanced flow boiling heat transfer and suppressed boiling instability in counter-flow stepped microchannels. <b>2022</b> , 194, 123025	0

- 652 Thermodynamic simulation and experiment research of the solar air evaporating separation system for saline wastewater treatment with thermal collector&evaporator integrated unit. **2022**, 8, 6707-6728 ○
- 651 Experimental and Numerical Investigation on Flow Condensation Process of Oxygen Jet in Crossflow of Liquid Oxygen.
- 650 Experimental Investigation of Vapor-Injection Co2 Heat Pump System Working Range from -30 °C to 50 °C for Electric Vehicles.
- 649 Research on Atomization Evaporation Characteristics and Parameter Optimization of a Novel Spray Evaporation Desalting System.
- 648 Experimental Study of Film Cooling Characteristics of Annular Cascade Endwall with a Partitioned Film Cooling Layout.
- 647 Effect of Wettability on Pool Boiling Heat Transfer with Copper Microporous Coated Surface.
- 646 Research on Atomization Evaporation Characteristics and Parameter Optimization of a Novel Spray Evaporation Desalting System.
- 645 Effects of Surface Wettability on Condensation with Impermeable and Microporous Surfaces.
- 644 A laser-induced breakdown spectroscopy method to assess the stochasticity of plasma-flame transition in sprays. ○
- 643 Assessments of surface heat flux from rapid temperature sensors at various angles of attack over a plate. ○
- 642 Heat Transfer Enhancement Using Different SiO2 Nanofluid Mixing Conditions on a Downward-facing Heating Surface. 1-14 ○
- 641 Experimental Investigation on the Perturbation Length for Air&Water Flow Upstream and Downstream of U-Bends. 10,
- 640 Experimental and numerical simulation of effects of CO2/N2 concentration and initial temperature on combustion characteristics of biomass syngas. **2022**, 101490
- 639 Machine learning based refrigerant leak diagnosis for a vehicle heat pump system. **2022**, 118524 1
- 638 Study of the influence of surfactants and surface treatments on the minimum wetting rate of falling films of aqueous LiBr and Carrol solutions. **2022**,
- 637 Thermal performance evaluation and analysis of helium heat exchanger for cryogenic propellant launch vehicle. **2022**, 103492
- 636 Experimental study on condensation heat transfer characteristics of steam in rectangular channels rotating about a parallel axis. **2022**, 118769
- 635 Performance analysis of new liquid cooling topology and its impact on data centres. **2022**, 118733 ○

634	Laminar transpiration cooling experiments in hypersonic flow. <b>2022</b> , 63,	2
633	Two-phase flow, pressure drop, and Joule-Thomson effect in a micro-orifice with trans critical carbon dioxide flow. <b>2022</b> , 105649	2
632	Experimental study of viscosity and thermal conductivity of water based Fe <sub>3</sub> O <sub>4</sub> nanofluid with highly disaggregated particles. <b>2022</b> , 35, 102160	0
631	Thermal and hydraulic performance of a large scale printed circuit heat exchanger (PCHE). <b>2022</b> , 35, 102136	
630	Experimental study of the effect of unheated starting segment upon flame spread over solid fuel under forced airflow. <b>2022</b> , 131, 103621	
629	On the study of vortex-induced vibration of circular cylinders covered with different roughness. <b>2022</b> , 124, 103215	0
628	Experimental study on steam plume shape characteristics for bevelled spray nozzles exhausting into quiescent water. <b>2022</b> , 394, 111824	0
627	Seepage and heat transfer characteristics of sandstone thermal reservoir under aquitard damage. <b>2022</b> , 268, 112203	
626	Performance of capillary box heat exchangers buried in seabed for seawater-source heat pumps. <b>2022</b> , 213, 118688	
625	Influences of tip clearance on flow and heat transfer characteristics of open type micro pin fin heat sink. <b>2022</b> , 179, 107714	3
624	Flow boiling heat transfer characteristics on micro-pin-finned surfaces in a horizontal narrow microchannel. <b>2022</b> , 194, 123071	0
623	Performance tests for 3-D Fin-and-Tube heat pipe modified from commercial heat exchanger product for various working fluids. <b>2022</b> , 194, 123083	0
622	Experimental study of ultralow flow resistance fractal microchannel heat sinks for electronics cooling. <b>2022</b> , 179, 107723	0
621	Combining liquid inertia and evaporation momentum forces to achieve flow boiling inversion and performance enhancement in asymmetric Dual V-groove microchannels. <b>2022</b> , 194, 123009	1
620	Thermal and flow characteristics in a flat plate pulsating heat pipe with ethanol-water mixtures: From slug-plug to droplet oscillations. <b>2022</b> , 194, 123066	1
619	Effect of wettability on pool boiling heat transfer with copper microporous coated surface. <b>2022</b> , 194, 123059	0
618	New Thermal Packaging with a Boiling-Driven Heat Spreader for Thermal Management of the Power Electronics.	
617	Design and Thermal Analysis of a 3D Printed Impingement Pin Fin Cold Plate for Heterogeneous Integration Application. <b>2022</b> , 1-1	0

616	Experimental performance of a finned spherical container in cold thermal storage for tropical buildings.		0
615	Experiment investigation of impingement/effusion cooling on overall cooling effectiveness and temperature gradients of afterburner heat shields in a high-performance aircraft engine. <i>Experimental Thermal and Fluid Science</i> , <b>2022</b> , 110698	3	0
614	Analysis of thermal efficiency of a corrugated double-tube heat exchanger with nanofluids. <b>2022</b> , 124522		1
613	Experimental investigation of the natural convection heat transfer characteristics of cylinder walls with a DBD actuator as the heat source. <b>2022</b> , 102218		0
612	Reversely-variable circuitry for finned-tube heat exchanger in air source heat pump to enhance its overall energy performance. <b>2022</b> ,		1
611	Numerical and Experimental Studies on a Pressurized Hybrid Tubular and Cavity Solar Air Receiver using a Scheffler reflector. <b>2022</b> , 118898		0
610	Experimental Investigation of Two-Phase Flow Boiling Heat Transfer Coefficient and Pressure Drop of R448A inside Multiport Mini-Channel Tube. <b>2022</b> , 15, 4331		1
609	Prediction model of air infiltration in single-zone buildings with high airtightness. <b>2022</b> ,		
608	Experimental and Numerical Analysis of Thermohydraulic Performance and Entropy-generation in a Rectangular Microchannel for Laminar and Single-Phase Flow: Parametric Study and Multi-objective Optimization. <b>2022</b> , 101375		
607	Sustainable anti-frosting surface for efficient thermal transport. <b>2022</b> , 100937		2
606	Droplet dynamics and heat transfer enhancement via dropwise condensation on helically-finned hydrophobic tube. <b>2022</b> , 135, 106153		0
605	Pressure-drop characteristics of CO <sub>2</sub> boiling flow in the regenerative-cooling channel of an Mg/CO <sub>2</sub> powder rocket engine for Mars missions. <b>2022</b> ,		1
604	Development of pressure gradient correlation for slurry flow using dimensional analysis. <b>2022</b> , 104660		0
603	Heat transfer characteristics in a trailing-edge slot cooling surface with outward protrusions. 1-20		1
602	The research on plume abatement and water saving of mechanical draft wet cooling tower based on the rectangle module. <b>2022</b> , 136, 106184		0
601	The effect of key parameter changes on the critical heat flux of spray evaporatively-cooled vibrating surfaces using a single misting nozzle. <b>2022</b> , 213, 118815		0
600	Heat transfer and pressure drop characteristics of R1234yf during evaporation in a plate heat exchanger with offset strip fins: An experimental study. <b>2022</b> , 194, 123091		1
599	Effect of bifurcation angle and fire location on smoke temperature profile in longitudinal ventilated bifurcated tunnel fires. <b>2022</b> , 127, 104610		1

- 598 Experimental investigation on thermal field measurement of lithium-ion batteries under vibration. **2022**, 53, 105110 2
- 597 Multiple injection strategies with high water port injection rates for enhancing performance and emissions in a boosted SI engine. **2022**, 326, 124982
- 596 Thermohydraulic performance and entropy generation in heat exchanger tube with louvered winglet tapes. **2022**, 181, 107733 3
- 595 Investigation of a loop heat pipe to achieve high heat flux by incorporating flow boiling. **2022**, 195, 123173 1
- 594 Effects of Surfactants on Subcooled Pool Boiling Characteristics: An Experimental Study.
- 593 Effect of Geometric Parameters of Novel Butterfly-Wing Vortex Generator on the Thermohydraulic Performance and Entropy-Generation in a Rectangular Microchannel.
- 592 Experimental study on boiling heat transfer in negative-pressure flowing water in a vertical annular tube. **2022**, 93-93
- 591 Experimental Investigation on the Characteristics of Bubble Growth and Slide on a Downward-Facing Heater Surface in Flow Boiling.
- 590 Flow of Neon-Nitrogen-Hydrocarbon mixture through adiabatic capillary tube at cryogenic temperatures. **2022**, 1240, 012155
- 589 Improved Functional Assessment of Ischemic Severity Using 3D Printed Models. 9,
- 588 Pressure- and Size-Dependent Aerodynamic Drag Effects on Mach 0.3-2.2 Microspheres for High-Precision Micro-Ballistic Characterization. **2022**, 12, 6622 0
- 587 Experimental and Analytical Study on the Influence of Saturation Pressure and Surface Roughness on Pool Boiling CHF of HFE-7100. **2022**, 2022, 1-18
- 586 Experimental and theoretical study on horizontal flame spread through arrays of wooden dowels.
- 585 Evaporation Characteristics of Lubricant/Gasoline Blending Oil Film under Different Thermal Radiations. 1-24
- 584 Multi-Scale and Multi-Physics Analysis, Design Optimization, and Experimental Validation of Heat Exchangers utilizing High Performance, Non-Round Tubes. **2022**, 118965
- 583 Micro-particle image velocimetry study on hydrodynamic characteristics of in-line and staggered micro pin fin arrays. **2022**, 109058 1
- 582 Hydro-thermal and economic analyses of the air/water two-phase flow in a double tube heat exchanger equipped with wavy strip turbulator. **2022**, 102260 0
- 581 Solar Drying Technologies: a review and future research directions with a focus on agroindustrial applications in medium and large scale. **2022**, 118993 2

580	Hydrothermal behavior of hybrid magnetite nanofluid flowing in a pipe under bi-directional magnetic field with different wave types. <b>2022</b> , 101399		2
579	Dynamics of tip vortices on plunging wings. <b>2022</b> , 107761		
578	Experimental and numerical investigations of mixed convection in turbine cavities for more flexible operations. 6, 106-123		
577	Study on the use of selective catalytic reduction technique for NOx emission reduction in an diesel engine fuelled with Methyl ester of Water Hyacinth. <b>2022</b> ,		
576	Performance model of an additively manufactured micro-pin array solar thermal central receiver. <b>2022</b> , 241, 621-636		
575	Experimental and LES study of unconfined jet impingement on a smooth flat heated plate with slots of different widths. 1-40		2
574	Fuzzy optimization of the sludge dewatering treatment process utilizing a cationic surfactant and Fenton <sup>®</sup> reagent.		0
573	Experimental investigation of the pressure-drop characteristics of open-cell metal foam with air-gaps under non-Darcy flow regimes. <i>Experimental Thermal and Fluid Science</i> , <b>2022</b> , 110736	3	0
572	The chronological study on parametric evolution of pool boiling with nanofluids: An experimental review. <b>2022</b> , 101420		
571	Preheating effects on CI engine through waste heat recovery using THNF based radiator coolant: An experimental study. 1-37		2
570	Evaluation of high flow local extraction for controlling aerosol plumes in operating theaters. <b>2022</b> , 34, 077113		0
569	On the scaling of three dimensional shock induced separated flow due to protuberances.		0
568	Robust design of a novel regenerative heat exchanger with high porosity ceramic matrix to waste heat recovery of flue gas. 1-21		
567	Experimental and simulation study on the distributor design in plate evaporators. <b>2022</b> ,		
566	Response surface methodology (RSM) based experimental and model analysis of diethyl ether-biodiesel-diesel blends with exhaust gas recirculation (EGR) on stationary diesel engine. 1-20		0
565	Lubrication of R290 Rotary Compressor Used in Low-Temperature Air-Water Heat Pumps. <b>2022</b> ,		0
564	Performance boost of a helical heat absorber by utilization of twisted tape turbulator, an experimental investigation. <b>2022</b> , 36, 102240		0
563	Heat transfer enhancement of a parabolic trough solar collector using a semicircular multitube absorber. <b>2022</b> , 196, 111-124		1



562	No-vacuum Mono-Tube Compound Parabolic Collector Receiver for Linear Fresnel Concentrator: Numerical and Experimental Approach for Dynamic Behavior Assessment. <b>2022</b> , 268, 115986	1
561	Experimental study on saturation pool boiling heat transfer characteristics of R245fa on the surface covered by sintered copper powder. <b>2022</b> , 37, 102223	0
560	Experimental study on heat transfer of dense phase flow through a horizontal tube under constant wall flux conditions. <b>2022</b> , 180, 107728	
559	Introduction of a boiling surface effectiveness parameter. <b>2022</b> , 137, 106174	
558	Evaluation of heat pump dryers from the perspective of energy efficiency and operational robustness. <b>2022</b> , 215, 118995	0
557	Stratification and heat transfer characteristics of partially miscible lubricating oil-refrigerant mixtures during pool boiling. <b>2022</b> , 215, 118923	
556	Flow boiling instability and pressure drop characteristics based on micro-pin-finned surfaces in a microchannel heat sink. <b>2022</b> , 195, 123168	1
555	Experimental investigation of heat dispatch controllability through simultaneous charging-discharging and stand-alone discharging operations in vertical cylindrical sensible heat storage tank. <b>2022</b> , 54, 105268	0
554	Experimental study on the fouling and heat transfer characteristics of enhanced tubes used in a cooling tower water system with the actual water quality. <b>2022</b> , 181, 107777	
553	Experimental and numerical study on the laminar flame characteristics for PODE3 and PODE3/iso-octane blends under elevated and sub-ambient initial pressures. <b>2022</b> , 328, 125006	0
552	Investigation into the film cooling performance of multi-cavity tips with different cavity depths. <b>2022</b> , 181, 107766	
551	Enhancing the thermal performance of different flow configuration minichannel heat sink using Al <sub>2</sub> O <sub>3</sub> and CuO-water nanofluids for electronic cooling: An experimental assessment. <b>2022</b> , 181, 107767	2
550	Study of thermal characteristics of the radiator with vertical finning using aerosol evaporative cooling. <b>2020</b> , 5, 42-51	
549	Performance and Energy Efficiency of a Solid-state Hydrogen Storage System: An Experimental Study on La <sub>0.7</sub> Ce <sub>0.1</sub> Ca <sub>0.3</sub> Ni <sub>5</sub> . <b>2022</b> , 119030	0
548	Performance Evaluation of Novel Heat Pipe-Assisted Thermal Storage System with Parabolic Trough Solar Collector Using Nanofluid. 2200118	0
547	Experimental and numerical investigations on the thermal performance over corrugated surfaces with different wave shapes induced by piezoelectric fan. 095765092211176	
546	Design of reverse flow ambient air heated vaporizer under different ambient temperatures and optimization of the fin arrangement. <b>2022</b> , 101426	0
545	Performance analysis of Savonius hydrokinetic turbine using T-shaped Deflector. <b>2022</b> , 44, 6618-6631	0

- 544 Experimental and numerical study on the acoustic coagulation of charged particles. **2022**, 117780
- 543 Augmented v-corrugated absorber plate using shot-blasting for solar air heater [Energy, Exergy, Economic, and Environmental (4E) Analysis. **2022**, 1
- 542 Heat transfer performance of microchannels with round grooves and ribs based on field synergy principle and entropy production analysis. 1-28 3
- 541 Boiling of R290+CF3i mixture inside an offset strip fin plate heat exchanger. **2022**, 119070 0
- 540 Experimental Investigation on the Heat Transfer Characteristics of Multi-Point Heating Microchannels for Simulating Solar Cell Cooling. **2022**, 15, 5315
- 539 Effect of osmotic dehydration pre-treatments on physico-chemical and energy parameters of Kosia (Nashi) pear slices dried an Convective Oven. 0
- 538 Combined effect of electric field and nanofluid on bubble behaviors and heat transfer in flow boiling of minichannels. **2022**, 408, 117743 2
- 537 Simultaneous sensing of oxygen concentration and temperature utilizing rise and decay of the phosphorescence of Y2O3:Eu3+ in high-temperature environments. **2022**, 370, 132394 0
- 536 Cryogenic quenching enhancement using a groove lattice filled with a low-thermal-conductivity sealant. **2022**, 196, 123247
- 535 Experimental Study on Energy Transformation of Static Liquid Pool During Flash Evaporation.
- 534 Energy Analysis of SiC- Si3N4@POE and SiC- Si3N4@R134a Based Cooling Systems. **2022**,
- 533 Deterministic Approaches for Bounding GNSS Uncertainty: A Comparative Analysis. **2022**, 1
- 532 An investigation on dehumidification and heat transfer characteristics of a minichannel heat exchanger for heat pump system of electric vehicles. 1
- 531 Experimental studies on thermophysical properties of ethylene glycol/water-based MgO nanofluids. **2022**, 2299, 012022 0
- 530 Experimental performance enhancement of a flat plate solar collector using straight and twisted flow inserts. 1
- 529 Experimental Study on Effect of Infiltration Depth on Burning Characteristic and Fuel Residual Feature of Inert Porous Media Bed Soaked by Combustible Liquid. 1
- 528 Experimental study of flow boiling heat transfer in horizontal rifled tube.
- 527 Effects of Surface Roughness in Multiple Microchannels on Mixed Convective Heat Transfer. **2022**, 119102 0

- 526 Experimental study on direct contact condensation of saturated steam at low mass flux in subcooled quiescent water. **2022,**
- 525 Experimental study of temperature separation in a vortex tube based on various shape of cold orifice vortex generator. **2022, 44,** ○
- 524 Study on full-coverage film cooling on center cone at engine-realistic conditions. 1-22
- 523 Decontamination and Remediation of Underground Holes and Testing of Cleaning Techniques Based on the Use of Liquid Cold Decontaminant. **2022, 14, 10565**
- 522 Experimental evaluation of performance of a hybrid solar photovoltaic (PV/T) panel integrated with effective cooling solutions with water base nanofluids and phase change materials. **2022, 44, 7287-7302** <sup>1</sup>
- 521 Experimental and Implementation of a 15 × 10 TEG Array of a Thermoelectric Power Generation System Using Two-Pass Flow of a Tap Water Pipeline Based on Renewable Energy. **2022, 12, 7948** ○
- 520 Kinetic characteristics of evaporative crystallization desalination of acidic high-salt wastewater. **2022,**
- 519 An experimental investigation of a desalination system based on an evacuated tube collector coupled with a heat exchanger. ○
- 518 Shock-induced leading-edge separation in hypersonic flows. **2022, 947,**
- 517 Experimental performance of a vapor-injection CO<sub>2</sub> heat pump system for electric vehicles in -30 °C to 50 °C range. **2022, 119149** ○
- 516 Study of Mixed Convection and Surface Radiation in Flush Mounted Vented Cavities. 1-15
- 515 Viscous interference torque analysis of liquid floated gyroscope based on multi-source data learning. **2022, 34, 082018**
- 514 Interaction of quasi-two-dimensional vortical gusts with airfoils, unswept and swept wings. **2022, 63,** ○
- 513 Evaluation of the impact of the temperature and mass flow rate of the water, utilized in the R516A refrigeration system with dual evaporator and ejector, on the performance parameters. **2022, 44, 7316-7329**
- 512 Laminar flame speed of H<sub>2</sub>/CH<sub>4</sub>/air mixtures with CO<sub>2</sub> and N<sub>2</sub> dilution. **2022,** ○
- 511 Numerical Modelling and Experimental Validation of Novel Para Winglet Tape for Heat Transfer Enhancement. **2022, 10, 2893**
- 510 Performance Evaluation of Plate Heat Exchanger Using CuO-DI Water Nanofluid. **2022, 14,**
- 509 Fluid flow and heat transfer characteristics on uncoated and micro porous straight and divergent heat exchangers for high-powered electronic devices. ○

- 508 Utilization of air injection together with spring wire and twisted tape to enhance performance of vertical tube with downward stream. **2022**, 44, 7636-7649
- 507 Experimental evaluation of low-GWP refrigerants R513A, R1234yf and R436A as alternatives for R134a in a cascade refrigeration cycle with R744. **2022**,
- 506 The effect of particle size and concentration on the frictional behavior of vertical upward flows of wheat straw aqueous slurries. **2022**, ○
- 505 Experimental study on heat transfer and hydrodynamics of a concentric double-pipe pulsed fluidized bed using microencapsulated phase change material and sand. **2022**, 409, 117832
- 504 Thermal management system for high, dense, and compact power electronics. **2022**, 268, 115975 ○
- 503 Effective thermal management of heat sources in sustainable energy devices using a compact flat thermosyphon. **2022**, 268, 116041
- 502 Evaluation of aerosol retention inside a steam generator under steam generator tube rupture accident conditions. **2022**, 396, 111899
- 501 Experimental investigation on the void fraction characteristics of a sudden expansion tube using wire-mesh sensors. **2022**, 87, 102223 ○
- 500 Performance characteristics of a thin-layered radial porous burner with different strategies for fuel-air mixture supply. **2022**, 38, 102372 ○
- 499 Prediction of emissions and performance of a diesel engine fueled with waste cooking oil and C8 oxygenate blends using response surface methodology. **2022**, 371, 133323 1
- 498 Effects of spacing distance and fuel mass thickness on combustion and flame merging characteristics of two-line pool fires. **2022**, 38, 102325
- 497 Enhancement of the combustion and stability aspects of diesel-methanol-hydrous methanol blends utilizing n-octanol, diethyl ether, and nanoparticle additives. **2022**, 371, 133673 ○
- 496 An energy-efficient battery thermal management system incorporating a porous metal-based multiscale flow manifold. **2022**, 269, 116147 ○
- 495 Quasi-hot spraying of coal-water slurries with pyrogenetic water additives. **2022**, 186, 587-598
- 494 Enhanced pool boiling heat transfer on grooved surfaces by wettability modification with nanoparticle coatings. **2022**, 137, 106298 ○
- 493 Hybrid optimization and modelling of CI engine performance and emission characteristics of novel hybrid biodiesel blends. **2022**, 198, 549-567 1
- 492 Experimental study on sub-cooled flow boiling heat transfer in inclined non-uniform heating tube bundle channel. **2022**, 216, 119119 ○
- 491 Model-based assessment of boiling heat transfer enhanced by coatings. **2022**, 196, 123272

- 490 Film cooling performance on rotating-blade pressure side with three-row film holes at different incidence angles. **2022**, 217, 119129
- 489 Experimental and numerical investigation on frosting of finned-tube heat exchanger considering droplet impingement. **2022**, 216, 119134 2
- 488 Experimental study on heat transfer performance of sCO<sub>2</sub> near pseudo-critical point in airfoil-fin PCHE from viewpoint of average thermal-resistance ratio. **2022**, 196, 123257 0
- 487 Enhanced boiling heat transfer by nucleation patterning with self-assembly of reduced graphene oxide coating. **2022**, 197, 123329 0
- 486 Artificial neural network based shape optimization of supersonic ejectors in the critical flow regime. **2022**, 216, 119046 1
- 485 Experimental study on heat storage integrated flat plate solar collector for combined water and air heating in buildings. **2022**, 216, 119105 1
- 484 Experimental investigation on the poisoning characteristics of methane as impurity in La<sub>0.9</sub>Ce<sub>0.1</sub>Ni<sub>5</sub> based hydrogen storage and purification system. **2022**, 259, 124888 1
- 483 Experimental investigation of mass loss rate and spatial temperature distribution of the pool fire in tunnel. **2022**, 129, 104688
- 482 Visualization study on operating performance of a dual compensation chamber loop heat pipe under acceleration condition. **2022**, 217, 119157 0
- 481 Experimental investigation on oil transport, heat transfer and distribution performances of R32/oil mixture in microchannel evaporators. **2022**, 325, 119829
- 480 Effects of the swirl number, Reynolds number and nozzle-to-plate distance on impingement heat transfer from swirling jets. **2022**, 197, 123284 0
- 479 Experimental study of film cooling characteristics of annular cascade endwall with a partitioned film cooling layout. **2022**, 182, 107821 0
- 478 Experimental research on flow boiling thermal-hydraulic characteristics in novel microchannels. **2023**, 140, 110755 1
- 477 Identification and classification of the flow pattern of hydrogen-air-steam mixture gas under steam condensation. **2023**, 183, 107854 0
- 476 Heat transfer enhancement in oblique finned curved microchannel using hybrid nanofluid. **2023**, 183, 107848 0
- 475 Experimental study of multilayer gradient copper foam effect on pool boiling heat transfer performance and gas-liquid behavior characteristics. **2023**, 183, 107856 0
- 474 Condensation heat transfer of R1234ze(E)/R152a in horizontal tube and development of correlation. **2022**, 44, 0
- 473 Experimental investigation on Thermo-hydraulic performance of radiator with preheating effects on engine performance from the waste heat using THNF coolant. 0

- 472 Experimental analysis of a high-performance open sorption thermal storage system with absorption-crystallization-adsorption processes. **2022**, 270, 116220 ○
- 471 Active Thermal Management of GaN-on-SiC HEMT With Embedded Microfluidic Cooling. **2022**, 69, 5470-5475 ○
- 470 Forecasting the influence of the guided flame on the combustibility of timber species using artificial intelligence. **2022**, 38, 102379 ○
- 469 Experimental and numerical investigation of open-cycle miniature Joule-Thomson cryocooler for working temperatures 100 K to 150 K with single component coolants. **2022**, 127, 103564 ○
- 468 Techno-economic analysis of a solar-powered humidification-dehumidification desalination system under fogging effect. **2022**, 53, 102752 ○
- 467 Experimental study of utilizing springs on absorber plate of solar air heaters: Subjected to axial-flow and cross-flow. **2022**, 53, 102661 ○
- 466 An improved solution to flow assurance in natural gas pipeline enabled by a novel self-regulated bypass pig prototype: An experimental and numerical study. **2022**, 107, 104776 ○
- 465 A comprehensive experimental analysis for optimal flow configurations in a triple tube heat exchanger (TTHXr). **2022**, 138, 106385 ○
- 464 Air side performance characterization of wavy Fin-and-tube heat exchangers having elliptic tubes with large waffle heights. **2022**, 217, 119220 1
- 463 Research on the filtration performance of pleated filters with rectangular and triangular structures through developed CFD code. **2022**, 153, 104413 ○
- 462 Study on the coupling between engine and alternator in a free-piston Stirling generator. **2022**, 217, 119222 ○
- 461 Experimental study of a latent heat thermal energy storage system assisted by varying annular fins. **2022**, 55, 105603 ○
- 460 Thermal-hydraulic-dynamic investigation of an inverted self-fluttering vortex generator. **2022**, 197, 123374 ○
- 459 Experimental investigation on the thermal performance of low-concentrated photovoltaic module using various pin-fin configurations of heat sink with phase change materials. **2022**, 55, 105575 ○
- 458 Experimental investigation of the effect of air bubbles injection on the performance of a plate heat exchanger. **2022**, 217, 119264 1
- 457 Experimental study of a nanofluid-based photovoltaic/thermal collector equipped with a grooved helical microchannel heat sink. **2022**, 217, 119281 2
- 456 Research on atomization evaporation characteristics and parameter optimization of a novel spray evaporation desalting system. **2022**, 542, 116057 ○
- 455 Experimental investigation of the discharge and thermal characteristics of an alternating current dielectric-barrier discharge plasma reactor. **2022**, 217, 119276 ○

- 454 Effects of surfactants on subcooled pool boiling characteristics: An experimental study. **2022**, 199, 123419 ○
- 453 A novel experimental case study on optimization of Peltier air cooler using Taguchi method. **2022**, 16, 100627 ○
- 452 Atomic Layer Thermopiles: Comprehensive static calibration, comparison and application in subsonic and supersonic flows. **2023**, 183, 107881 ○
- 451 Experimental investigation on heat transfer and pressure drop characteristics of confined jet impingement boiling on hybrid-structured surface. **2023**, 218, 119320 ○
- 450 Ethylene combustion performance with varying the N2 content in a porous burner. **2023**, 262, 125321 ○
- 449 A dual-mode novel Parabolic Trough Collector for process heating applications in small scale industries—thermo-hydraulic and performance investigation. **2023**, 218, 119287 ○
- 448 Experimental investigation of two-side heat transfer in spacer-filled channels representative of membrane distillation. **2023**, 140, 110770 ○
- 447 Influence of ratio of nozzle length to diameter on local heat transfer study of an unconfined circular air jet impingement. **2023**, 183, 107859 2
- 446 Mixed convection heat transfer enhanced by PCD electrical field in a rectangular channel. **2023**, 184, 107952 ○
- 445 Power consumption and thermal performance of integrated spray and jet array cooling vapor chambers. **2023**, 218, 119266 ○
- 444 Influence of turbulator under the detached rib on heat transfer study of air jet impinging on a flat surface. **2023**, 184, 107946 1
- 443 A new-proposed multi-inclined-cylinder radiation model of rectangular pool fire of heptane in longitudinal winds. **2023**, 184, 107912 ○
- 442 TEMPORAL PERFORMANCE EVALUATION OF CuO &#43; GO HYBRID NANOFLUIDS IN HEAT PIPE. **2022**, 53, 75-96 1
- 441 Experimental and Numerical Convective Heat Transfer Investigation in Laminar Rectangular-Channel Flow across V-Shaped Grooves. **2022**, ○
- 440 Uniform Impingement Heat Transfer Distribution in Corrugated Channel with an Anti-Crossflow-Wing. ○
- 439 Experimental study on condensation friction pressure drop in rotating channels and proposal of new correlation. **2022**, 111-111 ○
- 438 Parametric Study of Electronic Cooling by Means of a Combination of Crossflow and an Impinging Jet. **2022**, 10, 103749-103764 ○
- 437 Simultaneous reduction of NOx and smoke emissions in gasoline-ethanol blended RCCI Engine with biogas as a ternary fuel. **2022**, ○

- 436 Experimental study for humidification performance of air-to-water type hollow fiber membrane humidifier. **2022**, 356, 02024 ○
- 435 Experimental study on the net outdoor airflow ratio in supply air of membrane-based energy recovery ventilator. **2022**, 356, 01065 ○
- 434 The 3D Tesla Valve Manifold Two-Phase Cold Plate for the SiC Power Device Module. **2022**, ○
- 433 Study on convective heat transfer characteristics of inclined jet impinging cylindrical target surface in the confined space. **2023**, 218, 119316 ○
- 432 Investigation on the two-phase loop cooling system composed of maglev compressor and liquid pump for data centers. **2023**, 218, 119377 ○
- 431 Fluid flow and heat transfer in microchannel devices for cooling applications: Experimental and numerical approaches. **2023**, 218, 119358 ○
- 430 Experimental investigation of the two-stage ignition delay and flame structure of pentanol/n-dodecane binary fuel. **2023**, 262, 125546 ○
- 429 A simplified one-dimensional transient heat transfer model for rocket thrust chamber. **2023**, 218, 119379 ○
- 428 Heat transfer coefficient and pressure drop of water flow boiling in porous open microchannels heat sink. **2023**, 218, 119361 ○
- 427 Enhancement of blade tip cooling with different position on tip cooling slot. **2023**, 200, 123500 ○
- 426 Boiling heat transfer characteristics of pin-finned surface in distributed jet array impingement. **2023**, 184, 107956 ○
- 425 Surface film cooling characteristics of rectangular holes along the trailing edge of a transonic turbine blade tip. **2023**, 184, 107920 ○
- 424 Condensation Heat Transfer of R32 and R454B Inside a Microfin Tube as an Alternative Refrigerant to R410A. **2022**, 33, 413-418 ○
- 423 Thermal analysis of a solar latent heat storage system using Scheffler concentrator for agricultural applications. **2022**, 119230 ○
- 422 Transient Heat Transfer Characteristics in a Flat Plate Heat Sink with Mini-Channels for Cooling High Heat Flux IGBT. **2022**, 13, 1417 ○
- 421 Experimental investigation of air cooler using local palm tree waste. **2022**, 8, e10265 ○
- 420 Effect of reversely-variable circuitry on finned-tube heat exchanger performance in air source heat pump under annual performance factor (APF) conditions. **2022**, ○
- 419 Experimental and analytical investigation of CO<sub>2</sub>/R32 condensation heat transfer in a microchannel. **2022**, ○



418	Effect of the Number of Circuits on a Finned-Tube Heat Exchanger Performance and Its Improvement by a Reversely Variable Circuitry. <b>2022</b> , 12, 8960	0
417	Study on Direct Contact Condensation in Stagnant and Flowing Media. <b>2023</b> , 495-511	0
416	Performance and Optimization of Air Source Heat Pump Water Heater with Cyclic Heating.	0
415	The effect of surface roughness on capillary rise in micro-grooves. <b>2022</b> , 12,	0
414	Variation of thermal stratification, first and second law efficiency due to the use of porous media in hot water tank. <b>2022</b> , 44, 8512-8524	0
413	Experimental Examination for the Electric Power Generation of a Commercial Small-scale Wind Turbine with Modified Aerodynamic Design. <b>2022</b> ,	0
412	A combined solution of thermoelectric coolers and microchannels for multi-chip heat dissipation with precise temperature uniformity control. <b>2022</b> , 119370	1
411	Experimental study on interaction mechanism on the mass burning rate in two n-heptane fires with cross airflows. <b>2022</b> , 103676	0
410	On the Performance and Efficiency of Surface Air Cooler Working under High Temperature and High Humidity Condition. <b>2022</b> , 2022, 1-11	0
409	Exergy Analysis of a CI Engine Operating on Ternary Biodiesel Blends. <b>2022</b> , 14, 12350	0
408	Theoretical and Experimental Analysis of Flight-to-Ground Scaling for Axisymmetric and Planar Bodies. 1-11	0
407	Impact of secondary flow on the single-phase flow in spiral microchannels: An experimental study. <b>2022</b> , 14, 168781322211275	0
406	Combined effects of biodiesel $\text{ULSD}$ blends and EGR on performance and emissions of diesel engine using Response surface methodology (RSM). <b>2022</b> , 7, 100136	0
405	On the relationship between turbine thrust and near-wake velocity and vorticity. <b>2022</b> , 949,	0
404	The Inter-Bristle Pressure Field in a Large-Scale Brush Seal. <b>2022</b> , 144,	0
403	Experimental study of the effect of mechanical vibration on pool boiling heat transfer coefficient of $\text{Fe}_3\text{O}_4$ /deionized water nanofluid.	0
402	Heat transfer characteristics of jet impingement onto the concave surface of a cone. 1-25	2
401	Preparation and characterisation of binary eutectic phase change material/activated porous bio char/multi walled carbon nano tubes as composite phase change material. 1-15	1

- 400 An Experimental Analysis in a DICI Engine Powered with MWCNT Blended Emulsions. **2023**, 463-479 ○
- 399 Unsteady characteristics of flow pattern and pressure drop of flow boiling in single straight microchannel under sudden heat flux increase. ○
- 398 Pressure and Thermal Characterisation of Dynamic instabilities during Flow Boiling in Micro/Mini-Channels at Different Azimuth Orientations. **2022**, 119292 ○
- 397 Comparison of mean-line design methods on matching characteristics of three coaxial-impellers in an aircraft environmental control system. **2022**, ○
- 396 A new compact active turbulence generator for premixed combustion: Non-reacting flow characteristics. **2022**, 34, 105102 1
- 395 Dusting Hole Film Cooling Heat Transfer on a Transonic Turbine Blade Tip. **2022**, 2022, 1-15 ○
- 394 Condensation oscillation characteristic of steam with non-condensable gas through multi-hole sparger at low mass flux. **2022**, ○
- 393 Drag reduction of a slanted-base cylinder using sweeping jets. **2022**, 34, 105101 ○
- 392 Influence of NH<sub>4</sub>H<sub>2</sub>PO<sub>4</sub> powder on the laminar burning velocity of premixed CH<sub>4</sub>/Air flames. **2022**, ○
- 391 Drying Process of Hackberry (*Celtis australis* L.): Exergy Energy, Energy Efficiency, Heat-Mass Transfers, Thermodynamic Analysis, Effective Diffusion-Activation Energy, Modeling and Color Quality. ○
- 390 Surface roughness and model scale influences on forebody aerothermodynamics. **2022**, 130, 107902 ○
- 389 Investigation on novel inertial minichannel to mitigate maldistribution induced high temperature zones. **2022**, 271, 116300 ○
- 388 Investigation on Use of Chlorophyll Pigment and Conch Shell on The Productivity of Single Slope Solar Still. **2022**, 246, 181-188 ○
- 387 Numerical investigation of heat transfer and fluid motion in air inflatable textiles: Effect of thickness, surface emissivity and ambient temperature. **2022**, 225, 109594 ○
- 386 Effects of pressure side film cooling hole placement and condition on adiabatic film cooling effectiveness characteristics of a transonic turbine blade tip. **2022**, 199, 123462 ○
- 385 The influence of material on the power performance of Savonius turbines in wind and water applications. **2022**, 266, 112638 1
- 384 Transient cooling performance of R134a flash-evaporation spray enhanced by cold air jet: A novel heat transfer enhancement method in laser dermatology. **2022**, 199, 123468 ○
- 383 Experimental study on a novel battery cooling system containing dual flow medium. **2022**, 199, 123483 ○

- 382 Enhancement of piezoelectric fan cooling by geometrical arrangements. **2022**, 199, 123479 ○
- 381 Uncertainty evaluation of data acquisition and analysis system relevant to infrared flowing medium laser. **2022**, 12, ○
- 380 Experimental investigation on the effects of swirling flow on flow boiling heat transfer and instability in a minichannel heat sink. **2022**, 119512 ○
- 379 Experimental investigation on the performance of circumferential corrugations helical tubes based on thermodynamic and economic analyses. 095440622211302 ○
- 378 Experimental Investigation and Prediction of Performance, Combustion, and Emission Features of a Diesel Engine Fuelled with Pumpkin-Maize Biodiesel using Different Machine Learning Algorithms. **2022**, 2022, 1-17 ○
- 377 Heat Transfer and Flow Analysis in a Circular Tube Equipped with Triangular Helical Strip Inserts Under Turbulent Flow Conditions for the Application of Boiler. **2023**, 44, ○
- 376 Experimental investigation of natural convection Al<sub>2</sub>O<sub>3</sub>-MWCNT/water hybrid nanofluids inside a square cavity. 1-19 2
- 375 Geometrical Parameter Effects on Solidification/Melting Processes Using Twin Concentric Helical Coil: Experimental Investigations. **2022**, 12, 11047 ○
- 374 Effects of Geometry of Wings Submerged in Turbulent Bluff-Body Wake. 1-14 ○
- 373 An Experimental Investigation of Increasing the Thermal Efficiency of a Finned Tube Heat Exchanger by Using the Chimney Effect. **2022**, 15, 7310 ○
- 372 The Local Dependence of Bubble Breakup for Different Impeller Geometries in a Stirred Tank. ○
- 371 Experimental and statistical analysis of CO<sub>2</sub> absorption in DEA/water nanofluid containing silicon dioxide nanoparticle. 1-9 ○
- 370 Experimental study of heat transfer coefficient in heat exchanger reactors with square millimetric zigzag channels. **2022**, 109194 ○
- 369 Analysis and prediction of thermal runaway propagation interval in confined space based on response surface methodology and artificial neural network. **2022**, 55, 105822 ○
- 368 The impact of the ground on flow structure and aerodynamic characteristics of a double delta wing. **2022**, 130, 107943 ○
- 367 Towards a digital twin approach [Experimental analysis and energy optimization of a multi-bed adsorption system. **2022**, 271, 116346 1
- 366 Predicting oxidation-limited lifetime of Ni-Al-Cr porous radiant burners made by combustion synthesis. **2022**, 167885 ○
- 365 Ground Test and on-Orbit Verification of a Mechanically Pumped Two-Phase Loop Using for Thermal Control of Spacecraft. 1-19 1

- 364 The thermal performance and applicability analysis of the composite ventilation system with heat recovery in ultra-low energy buildings. **2022**, 125942 ○
- 363 Experimental work for the performance of a printed circuit heat exchanger (PCHE) using nitrogen under trans-critical states. **2022**, 8, 12765-12775 ○
- 362 Experimental study on melting enhancement of phase change material by heat transfer tube orientation. **2022**, 56, 105887 ○
- 361 Direct measurement of skin-friction in shock/boundary-layer interaction flows. **2022**, 88, 102253 ○
- 360 Mass transfer characteristics of ferrofluids flowing through a microchannel under AC magnetic field. **2022**, 139, 106436 1
- 359 Performance assessment of open thermochemical energy storage system for seasonal space heating in highly humid environment. **2022**, 201, 204-223 ○
- 358 Experimental investigations on thermal performance of spray cooling double skin façade in hot humid climate region. **2022**, 277, 112605 ○
- 357 Experimental study on the forced convection heat transfer characteristics of airflow with variable thermophysical parameters in a circular tube. **2022**, 40, 102495 ○
- 356 Comparison of maize stover and wheat straw slurry flow in vertical pipes. **2022**, 224, 259-282 ○
- 355 Effects of filling level and tray size on the burning behavior of a tank during burning of leaking contents: An integrated experimental and numerical approach. **2022**, 168, 513-525 ○
- 354 A study on heat transfer feature and burning-decontamination rate of porous media bed soaked by combustible liquid. **2023**, 200, 123529 ○
- 353 R245fa flow boiling heat transfer in a sintering and electroplating modulated tube. **2023**, 219, 119459 ○
- 352 Charging and discharging processes of low capacity nano-PCM based cool thermal energy storage system: An experimental study. **2023**, 263, 125700 3
- 351 Jet array impingement boiling in compact space for high heat flux cooling. **2023**, 219, 119538 ○
- 350 Pulsation incitation and performance investigations for 3D Fin-and-Tube heat pipe heat exchanger by inserting dividing boards for various working fluids. **2023**, 200, 123461 ○
- 349 Heat transfer experiments and correlations for vent gases emerging from a Li-ion battery and impinging on a flat surface. **2023**, 200, 123516 ○
- 348 Effects of diverging channel design cooling plate with oblique fins for battery thermal management. **2023**, 200, 123485 ○
- 347 Experimental investigation and model prediction of sliding bubble dynamics in vertical subcooled boiling flow. **2023**, 200, 123520 ○

- 346 A study of the critical velocity and the confinement velocity of fire accident in a longitudinally ventilated underground train with different door opening scenarios. **2023**, 131, 104776 ○
- 345 Experimental study on the storage performance of the innovative spray-type packed bed thermal energy storage. **2023**, 219, 119415 ○
- 344 New thermal packaging with a boiling-driven heat spreader for thermal management of the power electronics. **2023**, 219, 119515 ○
- 343 Transition of heat transfer mechanism of concurrent flame spread over discrete fuels. **2023**, 184, 107979 ○
- 342 Experimental study on single bubble growth of R32+R1234yf binary mixtures during saturated pool boiling. **2023**, 219, 119535 ○
- 341 Laminar flame speeds of cyclic hydrocarbon fuels: Effect of unsaturation. **2023**, 333, 126235 ○
- 340 Experimental study on condensation flow patterns and heat transfer characteristics of non-azeotropic and immiscible binary mixed vapors. **2023**, 184, 107974 ○
- 339 Fluid flow and heat transfer characteristics of corona wind in cross-cut finned channel. **2023**, 184, 107962 ○
- 338 Combined measurement and calibration method for the thermal conductivity of phase change materials. **2023**, 184, 107987 1
- 337 Uniform impingement heat transfer distribution in corrugated channel with an anti-crossflow-wing. **2023**, 201, 123576 ○
- 336 Experimental and numerical investigation on flow condensation process of oxygen jet in crossflow of liquid oxygen. **2023**, 201, 123580 ○
- 335 Measurement of transient liquid film and its effect on flow boiling heat transfer in non-circular microchannels. **2023**, 184, 108004 1
- 334 Performance and experimental investigation for a novel heat storage based thermoelectric harvester for hypersonic vehicles. **2023**, 263, 125885 1
- 333 Water extraction from icy lunar regolith by drilling-based thermal method in a pilot-scale unit. **2023**, 202, 386-399 ○
- 332 Experimental investigation of side-discharge sparger on pressure oscillation in steam jet condensation. **2023**, 219, 119620 ○
- 331 Effect of coolant pulsation on film cooling performance on flat plate. **2023**, 219, 119493 1
- 330 Vibration effects on heat transfer characteristics of supercritical pressure hydrocarbon fuel in transition and turbulent states. **2023**, 219, 119617 ○
- 329 Effect of non-condensable gas on submerged steam jet condensation in a narrow pipe. **2023**, 219, 119598 ○

328	Flow Structures of Wishbone Vortex Generators and Their Interactions with a Backward-Facing Ramp. <b>2023</b> , 36,	0
327	Experiment and modelling of supercritical pyrolysis and coking of RP-3 aviation kerosene in a U-bend tube. <b>2023</b> , 454, 140234	1
326	Condensation heat transfer on the outer surface of a horizontal annulus having surface enhancement. <b>2023</b> , 201, 123588	0
325	Entropy generation and thermal performance of tubular heat exchanger fitted with louvered corner-curved V-baffles. <b>2023</b> , 201, 123638	2
324	Experimental investigation of the microlayer and dry spot dynamic characteristics in a small channel flow boiling by laser interferometry method. <b>2023</b> , 201, 123585	0
323	Experimental investigation of the heat transfer and friction loss of turbulent flow in circular pipe under low-frequency ultrasound propagation along the mainstream flow. <b>2023</b> , 128, 106866	0
322	Experimental and numerical study of swirl impingement cooling for turbine blade leading edge with internal ridged wall and film extraction holes. <b>2023</b> , 201, 123633	0
321	Experimental and chemical kinetic study on the flame propagation characteristics of ammonia/hydrogen/air mixtures. <b>2023</b> , 334, 126509	0
320	Experimental investigation on the characteristics of bubble growth and slide on a downward-facing heater surface in flow boiling. <b>2023</b> , 184, 108008	0
319	Experimental investigation on two-phase flow noise characteristics of R410A through electronic expansion valve of multi-split air conditioner. <b>2022</b> ,	0
318	Experimental and Numerical Investigation on Heat Transfer Performance of Water Evaporators with Different Channels and Fin Structures in a Sub-Atmosphere Environment. <b>2022</b> , 9, 697	1
317	Experimental study on the heating performance of transcritical CO <sub>2</sub> heat pump for electric buses. 1-10	1
316	Investigation on the Melting Performance of a Phase Change Material Based on a Shell-and-Tube Thermal Energy Storage Unit with a Rectangular Fin Configuration. <b>2022</b> , 15, 8200	2
315	Experimental Characterization of an Unsteady Laminar Separation Bubble on a Pitching Wing.	0
314	Experimental investigation on flow boiling characteristics of a radial micro pin-fin heat sink for hotspot heat dissipation. <b>2022</b> , 119622	0
313	Exploration on laminar flame propagation of 3,3-dimethyl-1-butene, 2,3-dimethyl-1-butene and 2,3-dimethyl-2-butene. <b>2022</b> ,	0
312	Experimental study on effect of drying air supply temperature on performance of a quasi-two-stage closed loop heat pump drying system for lentinus edodes. <b>2022</b> ,	0
311	Experimental Investigation on a Novel Necking Heat Pipe with Double-End Heating for Thermal Management of the Overload Operation. <b>2022</b> , 12, 11661	0

- 310 RESPONSE OF SEPARATED BOUNDARY LAYERS TO STEADY AND PULSATED FLOW INJECTION. 1-36 ○
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- 308 The impact of the backfill direction on the backfill cooling performance using phase change materials in mine cooling. **2022**, ○
- 307 On the laminar flame propagation of C<sub>5</sub>H<sub>10</sub>O<sub>2</sub> esters up to 10 atm: A comparative experimental and kinetic modeling study. **2022**, ○
- 306 Experimental and Theoretical Study on CHF of a Ultra-Supercritical Circulating Fluidized Bed Boiler Water-Wall Tube at Near-Critical Pressures. ○
- 305 Development and performance measurements of a 2.5 kW-class free-piston stirling converter with detailed design and fabrication processes. **2022**, 8, 15011-15026 ○
- 304 Experimental studies on poisoning of La<sub>0.9</sub>Ce<sub>0.1</sub>Ni<sub>5</sub> based hydrogen purification system with CO<sub>2</sub> as impurity. **2022**, ○
- 303 Film Cooling Effectiveness Superposition Calculation of Double-Row Injection Holes on Turbine Vane. **2022**, 31, 2424-2437 ○
- 302 Investigation on the thermohydraulic performance and entropy-generation of novel butterfly-wing vortex generator in a rectangular microchannel. **2022**, 36, 101531 ○
- 301 Permeability model establishment and experimental verification of a tree-like branching structure with conventional scale. **2022**, 182, 109209 ○
- 300 An experimental study on the effect of liquid properties on the counter-current flow limitation (CCFL) during gas/liquid counter-current two-phase flow in a 1/30 scaled-down of Pressurized Water Reactor (PWR) hot leg geometry. **2022**, 399, 112052 ○
- 299 Experimental research on a semiconductor freezer utilizing two-stage thermoelectric modules. **2022**, 274, 116471 ○
- 298 Experimental study on hydrodynamic behaviour of nanofluid particle moving through an immiscible quiescent liquid. **2022**, 16, 100760 ○
- 297 Evaporative cooling performance characteristics in ice thermal energy storage with direct contact discharging for food cold storage. **2023**, 330, 120334 ○
- 296 Augmented cooling performance in gas turbine blade tip with slot cooling. **2023**, 201, 123664 ○
- 295 Investigation on the double-sided concurrent flame spread behavior of log planks. **2022**, ○
- 294 Thermophysical characterization on water and ethylene glycol/water-based MgO and ZnO nanofluids at elevated temperatures: An experimental investigation. **2023**, 369, 120867 ○
- 293 The Effect of Adaptive Liquid-vapor Separators for Enhancing Condensation Heat Transfer in a Condenser. **2022**, ○

- 292 Experimental investigation of the effect of supply airflow position, excess air ratio and thermal power input at burner pot on the thermal and emission performances in a pellet stove. **2023**, 202, 1248-1258 ○
- 291 Narrow-area average method for measurement of the propagation length of surface plasmon polaritons using nanoslit-grating structures. **2023**, 44, 106185 ○
- 290 Thermal performance of a boiling-driven heat spreader using passive flow control. **2023**, 41, 102604 ○
- 289 Oscillation behavior and heat transfer involving opposed spilling fire spread over n-butanol with various slope angles. **2023**, 140, 106512 ○
- 288 Effects of pressurization on the enthalpy of vaporization for the SiO<sub>2</sub> nanofluid. **2022**, 25, 673-683 ○
- 287 Preliminary validation of the 1D modeling of the DYNASTY natural circulation loop against results from water experimental campaign. **2023**, 155, 104486 ○
- 286 Experimental and CFD investigation of a helical coil heat exchanger coupled with a parabolic trough solar collector for heating a batch reactor: An exergy approach. **2023**, 202, 1507-1519 1
- 285 Distinct behaviors of KNO<sub>3</sub> and NaNO<sub>3</sub> in specific heat enhancement of molten salt nanofluid. **2023**, 57, 106209 ○
- 284 Economic and heating efficiency analysis of double-shell downhole electric heater for tar-rich coal in-situ conversion. **2023**, 41, 102596 ○
- 283 Economic cost analysis of air-cooling process using different numbers of Peltier modules; Experimental case study. **2023**, 41, 102627 ○
- 282 Optimization and experimental verification of microchannel heat sink based on heat transfer and flow balance regulation. **2023**, 455, 140793 ○
- 281 Experimental investigation on condensation performance of the processed windshield surface of electric vehicles. **2023**, 41, 102624 ○
- 280 Performance analysis and optimal design of a water-cooled thermoelectric component for air cooling based on simulation and experiments. **2023**, 141, 106576 ○
- 279 Experimental investigation of heat transfer characteristics of water in a vertically upward tube under ultra-supercritical pressure and ultrahigh-temperature conditions. **2023**, 220, 119772 ○
- 278 Structure effect on thermal-hydraulic performance in liquid metal Aviation kerosene printed circuit heat exchanger. **2023**, 220, 119741 ○
- 277 Experimental evaluation of organic Rankine cycle using zeotropic mixture under different operation conditions. **2023**, 264, 126188 ○
- 276 Impact mechanism of rhombus module on plume abatement and water saving of mechanical draft wet cooling tower. **2023**, 221, 119818 ○
- 275 Enhancement in the pool boiling heat transfer of copper surface by applying electrophoretic deposited graphene oxide coatings. **2023**, 159, 104350 1



274	Heat transfer coefficient of boiling flows in minichannels with a semicircular cross-section. <b>2023</b> , 220, 119697	○
273	Heat transfer enhancement in the novel wavy shaped heat exchanger channel with cylindrical vortex generators. <b>2023</b> , 220, 119720	○
272	A displacer coupled thermoacoustic cooler driven by heat and electricity. <b>2023</b> , 220, 119641	○
271	Invariant aluminum CHF under electron beam irradiation conditions for downward-facing flow boiling. <b>2023</b> , 220, 119810	○
270	Optical study on multi-time ignition mixed-mode combustion with gasoline and PODE. <b>2023</b> , 335, 126910	1
269	Experimental investigation of a hybridized flat-plate solar collector/gas burner for low-carbon production of hot water [Analysis of energy, exergy, and GHG emissions. <b>2023</b> , 55, 102918	○
268	Enhanced heat transfer in a phase change energy storage with helical tubes. <b>2023</b> , 58, 106352	1
267	Phase change material thermal response under simultaneous charging and discharging process in an annular finned storage system with orientations: An experimental study. <b>2023</b> , 17, 100256	○
266	Effect of geometrical parameters on the performance of plate heat exchanger using milk- water as medium fluids in the channels. <b>2023</b> , 185, 108022	○
265	Thermal performance and flow pattern of an immersion spray array cooling vapor chamber. <b>2023</b> , 202, 123737	○
264	Experimental and theoretical study on the onset of nucleate boiling in non-uniform heating tube bundle channel. <b>2023</b> , 182, 109627	○
263	The reduction in laminar burning velocity and Markstein length extrapolation uncertainty for TRF-air mixtures. <b>2023</b> , 335, 127052	○
262	Modification and pool boiling performance elevation of copper foam wicks for high power applications. <b>2023</b> , 220, 119788	○
261	Experimental study on energy transformation of static liquid pool during flash evaporation. <b>2023</b> , 220, 119712	○
260	Comparisons of cooling performance and flow characteristics of a combustor liner plate with compound angle and simple angle effusion holes. <b>2023</b> , 185, 107984	○
259	Intensification of thermal efficiency of a cross-flow heat exchanger under turbulent flow conditions using CuFe <sub>2</sub> O <sub>4</sub> /water nanofluid. <b>2023</b> , 185, 108107	○
258	Experimental investigation of condensation heat transfer of zeotropic refrigerant/oil mixtures in plate heat exchanger. <b>2023</b> , 185, 108067	○
257	Effect of sound excitation on the flow field and convection heat transfer around a cylinder. <b>2023</b> , 185, 108110	○

- 256 Experimental and numerical study on an enhanced swirl cooling with convergent tube wall and local dimple arrangements. **2023**, 185, 108083 ○
- 255 Study of PCCI engine operating on pine oil diesel blend (P50) with benzyl alcohol and diethyl ether. **2023**, 335, 127121 ○
- 254 Engine Combustion Network Spray G Wall heat transfer characterization by infrared thermography. **2023**, 142, 110825 ○
- 253 Experimental study on the characterization of the self-starting capability of a single and double-stage Savonius turbine. **2023**, 17, 100854 ○
- 252 Economic and Experimental Assessment of KCOOH Hybrid Liquid Desiccant-Vapor Compression System. **2022**, 14, 15917 1
- 251 An experimental study and infrared thermography analysis on the effect of using various flute-type distributors in mini-channel evaporators employed by room air conditioners. ○
- 250 Study on the coupled characteristics of high-speed centrifugal compressor and turboexpander of a reverse Brayton air refrigerator. **2022**, ○
- 249 Experimental Study on Flow Boiling Characteristics in Continuous and Segmented Microchannels with Vapor Venting Membrane. **2022**, 15, 8756 ○
- 248 Influence of surface wettability on heat transfer and pressure drop characteristics of R1234ze(E) flow boiling in metal foam filled tubes. **2022**, ○
- 247 Safe pressure for hydrogen storage in subsurface. **2022**, 8, 15702-15711 ○
- 246 Experimental Study on Capillary Microflows in High Porosity Open-Cell Metal Foams. **2022**, 13, 2052 ○
- 245 Experimental and Simulation Investigation of Performance of Scaled Model for a Rotor of a Savonius Wind Turbine. **2022**, 15, 8808 ○
- 244 Louvered finned car radiator with MWCNT-SiO<sub>2</sub> hybrid nanofluid: An experimental approach. **2022**, 118176 ○
- 243 Evaluation of thermal performance factor by hybrid nanofluid and twisted tape inserts in heat exchanger. **2022**, 8, e11950 ○
- 242 Effect of acoustic waves on the flow and heat transfer around two tandem arranged cylinders. **2022**, 40, 102573 ○
- 241 Experimental Study of the Effect of Opening Factor on Self-Extinguishing and Blue Ghosting Flame in Under-Ventilated Compartment Fire. ○
- 240 Flow Frictional Characteristics of Air/Water Flow Characteristics under Stable and Transverse Vibration Conditions in Horizontal Channels. **2023**, 16, 202 ○
- 239 The role of acetone for cleaner combustion in diesel engine. **2022**, ○

- 238 A novel study on bypass module in self-regulated pipeline inspection gauge to enhance anti-blocking capability for secure and efficient natural gas transportation. **2022**, 108, 104850 ○
- 237 Dual Synthetic Jets Actuator and Its ApplicationsPart III: Impingement Flow Field and Cooling Characteristics of Vectoring Dual Synthetic Jets. **2022**, 11, 376 ○
- 236 Investigations on the Effect of Injection Pressure and Timing on Noise and Vibration Characteristics of a Biodiesel Fueled Genset Engine and Artificial Neural Network Architecture. ○
- 235 Validation of Gasoline Surrogates through Thermodynamic Analysis of Spark-Ignition Engine. 1-34 ○
- 234 Flow Boiling in Inner Annulus of Horizontal Enhanced Tubes. **2022**, 104367 ○
- 233 Ultrasonic Vibration Technology to Improve the Thermal Performance of CPU Water-Cooling Systems: Experimental Investigation. **2022**, 14, 4000 3
- 232 Characterization of homogenous acid catalyzed biodiesel production from palm oil: experimental investigation and numerical simulation. ○
- 231 Experimental investigation on the heating performance of a R410A vapor-injection heat pump of an electric bus in cold regions. **2022**, 119938 ○
- 230 Comprehensive study on EEVs regulation characteristics of vapor-injection CO2 heat pump for electric vehicles. **2022**, ○
- 229 Analysis of enhanced pool boiling heat transfer on a copper foam surface with microchannels. ○
- 228 Experimental Study of Pulsating Heat Pipes Filled with Nanofluids under the Irradiation of Solar Simulator. **2022**, 15, 9153 ○
- 227 Experimental investigation on the use of CuO/water nanofluid in horizontal spiral-coil ground heat exchanger. **2022**, ○
- 226 A Comprehensive Study of the Effects of Various Operating Parameters on a Biogas-Diesel Dual Fuel Engine. **2023**, 15, 1232 ○
- 225 Experimental study on progressive freeze-concentration based desalination of brackish water, seawater, and brine employing a rectangular channel crystallizer. ○
- 224 Control of bow shock induced three-dimensional separation using boundary layer bleed through holes. ○
- 223 Physico-chemical, thermo-physical and energy consumption analyzes of carrot chips produced by osmotic drying method. ○
- 222 EFFECTS OF PART-TO-PART FLOW VARIATIONS ON OVERALL EFFECTIVENESS AND LIFE OF ROTATING TURBINE BLADES. 1-18 ○
- 221 Experimentally Identifying the Influences of Key Parameters for an Organic Rankine Cycle Using R123. **2023**, 15, 814 ○

220	Enhancement of the Diesel Fuel Characteristics by Using Nitrogen-Doped Multi-Walled Carbon Nanotube Additives. <b>2023</b> ,	0
219	Effects of trifluoriodomethane and pentafluoroethane on combustion characteristics of flammable refrigerant propane. <b>2023</b> ,	0
218	Experimental characterization of an unsteady laminar separation bubble on a pitching wing. <b>2023</b> , 64,	0
217	Experimental and theoretical study of combustion and aerothermodynamic effects on the flame structure from wind-driven rectangular fires. <b>2023</b> , 103734	0
216	Effect of surfactants on the convective heat transfer and pressure drop characteristics of ZnO/DIW nanofluids: An experimental study. <b>2023</b> , 102716	0
215	Experimental study of flame extinguishing of red pine wood pyrolysis gas by NH <sub>4</sub> H <sub>2</sub> PO <sub>4</sub> powder based on Cup-burner. <b>2023</b> , 41, 102675	1
214	Design and Experimental Investigation of a Self-Powered Fan Based on a Thermoelectric System. <b>2023</b> , 16, 975	0
213	Bath heaters using alternative heat transfer medium: a thermo-economic analysis. <b>2023</b> , 45,	2
212	Experimental study on the temperature measurement of melt blowing fibres through use of infrared thermography. 1-33	1
211	Flow Boiling Heat Transfer of R141b in Sintered Porous Tubes. 1-13	0
210	Permeate Flux Enhancement in Air Gap Membrane Distillation Modules with Inserting ERibs Carbon-Fiber Open Slots. <b>2023</b> , 13, 66	0
209	Experimental Study of Heat Transfer and Film Cooling Performance of Upstream Ejected Coolant on a Turbine Endwall.	0
208	Evaluation of mono and hybrid nano-fluids on energy and exergy parameters of a photovoltaic-thermal system equipped with an eccentric parabolic trough concentrator. <b>2023</b> , 119979	1
207	Numerical investigation of clogging effect on irreversible energy loss in volute for centrifugal pump with vaned diffuser based on entropy generation method. 095440622211480	0
206	A bidirectional solar thermoelectric generator combining heat storage for daytime and nighttime power generation. <b>2023</b> , 119997	0
205	Experimental and theoretical examination of the energy performance and CO <sub>2</sub> emissions of room air conditioners utilizing natural refrigerant R290 as a substitute for R22.	0
204	Experimental study on the application of air-source heat pump in a warm-temperate extreme-arid-desert climate zone. <b>2023</b> , 42, 102723	0
203	Experimental study on phase change material based thermal management design with adjustable fins for lithium-ion battery. <b>2023</b> , 221, 119808	1

- 202 Study on the spontaneous condensation of moist air in the high-speed turbo-expander. **2023**, 141, 106594 ○
- 201 Performance comparison of module layout for the mechanical draft wet cooling tower. **2023**, 141, 106600 ○
- 200 Model construction and performance analysis for asymmetric compound parabolic concentrator with circular absorber. **2023**, 267, 126597 1
- 199 Investigations on efficiency improvement of rolling piston type rotary compressor with a new-designed cylinder. **2023**, 222, 119920 1
- 198 Enhancement of the waste cooking oil biodiesel usability in the diesel engine by using n-decanol, nitrogen-doped, and amino-functionalized multi-walled carbon nanotube. **2023**, 277, 116646 ○
- 197 Experimental study on the thermal-hydraulic performance of a tube-in-tube helical coil air/fuel heat exchanger for an aero-engine. **2023**, 267, 126626 ○
- 196 Particle resuspension: Challenges and perspectives for future models. **2023**, 1007, 1-98 ○
- 195 Experimental validation of simplified radionuclide transport bubble scrubbing code in sodium coolant pool. **2023**, 403, 112137 ○
- 194 Experimental study on temperature profile and critical velocity in bifurcated tunnel fire with inclined transverse cross-passage. **2023**, 186, 108120 ○
- 193 Experimental and numerical studies on the enhanced heat transfer performance and the flow resistance characteristics of the double-wall cooling structure with jet impingement holes and pin fins. **2023**, 186, 108109 ○
- 192 Effects of wavy ribs on vortex generation and thermal-hydraulic performance in a rotating rectangular channel. **2023**, 222, 119952 ○
- 191 The study on plume abatement and water saving of hybrid mechanical draft wet cooling tower. **2023**, 223, 120013 ○
- 190 Design, optimization and experimental testing of 2 K cryogenic plate-fin heat exchanger. **2023**, 223, 119973 ○
- 189 Heat transfer enhancement in porous wall mini-channel heat sinks utilizing electric field: An experimental study. **2023**, 203, 123803 ○
- 188 Thermo-convective behavior and entropy generation studies on Alumina and Titania nanofluids flowing through polygonal ducts. **2023**, 186, 108123 ○
- 187 Flow boiling heat transfer enhancement via micro-pin-fins/ZnO nanorods hierarchical surface. **2023**, 203, 123810 ○
- 186 Phase change material-enhanced solid-state thermoelectric cooling technology for food refrigeration and storage applications. **2023**, 60, 106569 ○
- 185 Experimental study on the direct contact condensation of gaseous oxygen jets in crossflow of liquid oxygen. **2023**, 143, 110847 ○

- 184 Louvered Fin-and-Flat Tube Compact Heat Exchanger under Ultrasonic Excitation. **2023**, 6, 13 1
- 183 Aerodynamic Cooling of the Wall in the Trace of a Supersonic Flow behind a Backward-Facing Ledge. **2022**, 57, S57-S64 0
- 182 Experimental investigation of condensation pressure drop of zeotropic refrigerant/oil mixtures in plate heat exchanger. **2022**, 0
- 181 Combined Energetic and Exergetic Performance Analysis of Air Bubbles Injection into a Plate Heat Exchanger: An Experimental Study. **2023**, 16, 1164 0
- 180 Condensation Heat Transfer on Slippery Lubricant-Impregnated Nanohole-Arrayed Stainless-Steel Surface. **2023**, 102704 0
- 179 Experimental Study on Condensation Heat Transfer Characteristics in C-Shaped Tube Under Rolling Conditions. 0
- 178 Investigation of Cross-Flow and Laminar Separation Using Infrared Thermography. **2023**, 0
- 177 Analysis of Air Side Cooling and Dehumidification Performance in Evaporator in Direct Expansion (DX) Variable Refrigerant Flow (VRF) Air-Conditioning (A/C) System. **2023**, 45-92 0
- 176 Investigation of an Embedded Cooling RF Silicon Interposer for an Ultrahigh Heat Flux GaN TR Array. **2023**, 1-1 0
- 175 Investigation of Tungsten Halogen Lamp for Possible Usage as Artificial Sunlight for Testing Solar Collector. 0
- 174 Flow boiling heat transfer of zeotropic mixture refrigerants R454B and R449A in a smooth horizontal tube. **2023**, 0
- 173 Temperature Uniformity, Correlations and the Flow Field in Swirling Impinging Jets. 0
- 172 Impingement heat transfer characteristics of nozzles with inclined exits. 1-16 0
- 171 Experimental Measurement and Theoretical Prediction of Bubble Growth and Convection Heat Transfer Coefficient in Direct Contact Heat Transfer. **2023**, 16, 1069 0
- 170 Effects of Dusting Film Cooling Placement and Configuration on Surface Heat Transfer Characteristics of a Transonic Turbine Squealer Blade Tip. **2023**, 0
- 169 Experimental study on condensation and acoustic characteristics of steam underwater injection. 11, 0
- 168 Experimental and theoretical study on the characteristics of the spill plume in a compartment fire with high-low opposing openings. **2023**, 187, 108204 0
- 167 Thermal attenuation and heat supplementary analysis of medium-deep coaxial borehole system-based on a practical project. **2023**, 270, 126805 0

- 166 Thermal and electrical contact resistances of thermoelectric generator: Experimental study and artificial neural network modelling. **2023**, 225, 120154 ○
- 165 Experimental study of storage system of a solar water heater equipped with an innovative absorber spherical double-walled tank immersed in a phase change material. **2023**, 61, 106782 ○
- 164 Theoretical and experimental research on flow boiling heat transfer in microchannels for IGBT modules. **2023**, 205, 123900 1
- 163 Experimental investigation on heat transfer and pressure drop of brazed plate heat exchanger using LiBr solution. **2023**, 225, 120161 ○
- 162 Saturated pool boiling heat transfer enhancement of R245fa based on the surface covered by sintered copper powder with and without nanostructure. **2023**, 187, 108183 ○
- 161 Experimental study of the heat transfer characteristics of plasma jets in circular tubes under applied magnetic fields with different orientations. **2023**, 205, 123820 ○
- 160 An experimental study on the frost formation over a flat plate: Effect of frosting on heat transfer. **2023**, 144, 110862 ○
- 159 Experimental study on multiple fire hazards in a naturally ventilated tunnel: Assessment of the flame interaction and extension of two unequal fires. **2023**, 187, 108209 ○
- 158 Experimental and numerical study of heat transfer under laminarization condition in a small size supersonic nozzle. **2023**, 187, 108182 ○
- 157 Combined influence of rectangular wire coil and twisted tape on flow and heat transfer characteristics in square mini-channels. **2023**, 205, 123866 ○
- 156 Experimental and Numerical Study of Heat Transfer and Turbulent Flow in a Rotating channel with V Rib-Dimple Hybrid Structures. **2023**, 187, 108162 ○
- 155 Investigation on improving the heating performance of a heat pump using a rotary compressor with vapor and two-phase injection. **2023**, 278, 116703 ○
- 154 Heat Transfer Enhancement by Hybrid Nano Additives Graphene Nanoplatelets/Cellulose Nanocrystal for the Automobile Cooling System (Radiator). **2023**, 13, 808 ○
- 153 Comparative study on packing arrangement of irregular gadolinium inside active magnetic regenerators in a magnetic refrigeration system. **2023**, 280, 116779 ○
- 152 Construction and concentrating performance of a critically truncated compound parabolic concentrator without light escape. **2023**, 269, 126843 ○
- 151 Design, fabrication and performance analysis of a cost-effective photovoltaic interface seawater desalination hybrid system for co-production of electricity and potable water. **2023**, 336, 120811 ○
- 150 Experimental and numerical study of convective heat transfer in-line tube bundle by acoustic action. **2023**, 44, 102869 ○
- 149 Effects of inlet subcooling on the flow boiling heat transfer performance of bi-porous mini-channels. **2023**, 120577 ○

- 148 Effect of wall subcooling on condensation in a steam-air mixture on a vertical tube. **2023**, 143, 106665 ○
- 147 Condensation of R1234yf in a plate heat exchanger with an offset strip fin flow structure for electric vehicle heat pumps. **2023**, 143, 106699 ○
- 146 Investigation on separation characteristics of gas-liquid two-phase flow around the perforated tube. **2023**, 404, 112200 ○
- 145 Effect of enhancement in metal foam pore density on heat transfer of phase-change materials. **2023**, 144, 106750 ○
- 144 Energy, exergy, and economic (3E) analysis of air bubbles injection into plate heat exchangers. ○
- 143 Experimental investigation of the effects of metal oxides and nucleating agents on nano-emulsions heat transfer performance in mini-channels. **2023**, 226, 120312 ○
- 142 Effect of magnetic field locations on thermo-magnetic convection performance of Fe<sub>3</sub>O<sub>4</sub>/H<sub>2</sub>O ferrofluid flowing in a novel dimpled tube: An experimental study. **2023**, 226, 120305 ○
- 141 Film cooling effectiveness of a leading-edge cooling array of a rotating turbine blade with twist. **2023**, 225, 120175 ○
- 140 Experimental investigation on high-temperature flow boiling heat transfer characteristics of R245fa in a horizontal circular tube. **2023**, 225, 120260 ○
- 139 Investigation of impingement heat transfer in double-wall cooling structures with corrugated impingement plate at small Reynolds numbers. **2023**, 225, 120204 ○
- 138 Experimental study on suppressing heat transfer deterioration of supercritical CO<sub>2</sub> in vertical tubes based on Helmholtz oscillator. **2023**, 225, 120198 ○
- 137 Electric-heater defrosting performance of frost-free refrigerator-freezer and its improvement by step-reduction power. **2023**, 226, 120147 ○
- 136 Preliminary study on photo-thermal conversion investigation of compound parabolic concentrator for eliminate light escape in vacuum tube interlayer. **2023**, 271, 126979 ○
- 135 Experimental study of dynamic combustion behavior and heat transfer of heptane pool fire with burning time under thin fuel thickness (2.0 mm–4.0 mm). **2023**, 270, 126973 ○
- 134 Comparison of the performance of a modified temperature-controlled microwave dryer to improve heat-mass transfer, increase energy efficiency and preserve quality characteristics of shad (*Alosa fallax nilotica*). **2023**, 144, 106772 ○
- 133 Experimental study on flow and heat-transfer characteristics of Ga-In-Sn alloy in a round tube applied for high heat flux device cooling. **2023**, 41, 101805 ○
- 132 Effect of hydrophilic and hydrophobic metal foams on condensation characteristics of refrigerant flow inside annular tubes: Experimental study. **2023**, 40, 101785 ○
- 131 Topology optimized novel additively manufactured heat sink: Experiments and numerical simulations. **2023**, 286, 117024 ○



- 130 Experimental investigation of a data-centre cooling system using a new single-phase immersion/liquid technique. **2023**, 45, 102925 ○
- 129 Hydrothermal parameters enhancement of a DTHFX with simultaneous V-cut twisted tape turbulator and air/CuO-water flow usage. **2023**, 45, 102898 ○
- 128 Experimental study of the rheological behavior of TiO<sub>2</sub>-Al<sub>2</sub>O<sub>3</sub>/mineral oil hybrid nanofluids. **2023**, 380, 121688 ○
- 127 Flow thermohydraulic characterization of open diverging microchannel heat sink for high heat flux dissipation. **2023**, 227, 120396 ○
- 126 Achieving robust and enhanced pool boiling heat transfer using micro/nano multiscale structures. **2023**, 227, 120441 ○
- 125 Flow boiling of R1336mzz(Z) in tapered microgaps with asymmetric dual-V microchannels. **2023**, 228, 120440 ○
- 124 Development of refrigerant flow rate correlation for electronic expansion valve using valve flow coefficient. **2023**, 227, 120324 ○
- 123 Experimental and numerical studies on enhanced effusion cooling with shallowly dimpled film holes on double-wall structure surface. **2023**, 101, 109135 ○
- 122 Numerical and experimental investigation of the performance of a new circular flat plate collector. **2023**, 209, 581-590 ○
- 121 Optimizing photothermal conversion efficiency in a parabolic trough direct absorption solar collector through ferrofluid and magnetic field synergy. **2023**, 285, 117020 ○
- 120 Experimental investigation on flame stability and emissions of lean premixed methane/air combustion in a developed divergent porous burner. **2023**, 405, 137070 ○
- 119 Experimental decoupled-analysis of overall cooling effectiveness for a turbine endwall with internal and external cooling configurations. **2023**, 228, 120435 ○
- 118 Analysis of the effect of hot rotation cylinders on the enhancement of heat transfer in underfloor heating enclosures based on numerical and experimental results. **2023**, 188, 108218 ○
- 117 Characteristics and performance investigation of solar AES system with novel flat-plate collector-evaporator integrated unit capable of salinity wastewater thermal self-storage. **2023**, 555, 116559 ○
- 116 Investigation of bicubic flame radiation model of continuously opposed spilling fire over n-butanol fuel. **2023**, 272, 127144 ○
- 115 Experimental investigation on thermal stratification characteristic of steam condensation through multi-hole sparger. **2023**, 228, 120513 ○
- 114 Comparative analysis of flow boiling characteristics of an R290/R1270 mixture and R290 in a plate heat exchanger with offset strip fins. **2023**, 227, 120448 ○
- 113 Photo-thermal design and analysis of a novel CPC coupled solar air evacuated tube collector. **2023**, 228, 120541 ○

- 112 Experimental analysis of electrical field combining nanofluids to enhance the mixed convective heat transfer in the rectangular channel. **2023**, 227, 120432 ○
- 111 Experimental investigation to assess the influence of inclination on thermal performance of latent heat storage system with solid and perforated fins under simultaneous charging and discharging process. **2023**, 41, 101809 ○
- 110 Freezing processes for a vertically copper, superhydrophobic, and hybrid patterned surface [A visualization study. **2023**, 228, 120447 ○
- 109 Flat plate pulsating heat pipe operating at ultra-low filling ratio. **2023**, 228, 120468 ○
- 108 Pipeline leak jet fire thermal characteristic induced by hydrogen-blended natural gas: Physical modeling of temperature profile based on virtual origin theory. **2023**, 188, 108220 ○
- 107 Photothermal conversion performance based on optimized design of multi-section compound parabolic concentrator. **2023**, 209, 286-297 ○
- 106 Experimental and theoretical investigation of ethyl methyl carbonate/air flames: Laminar burning velocity and cellular instability at elevated pressures. **2023**, 346, 128206 ○
- 105 Experimental study of the effects of ultrasound on the heat transfer enhancement in a 3D-printed minichannel heat sink. **2023**, 209, 124101 ○
- 104 Heat transfer of hydrogen with variable properties in a heated tube. **2023**, 209, 124128 ○
- 103 Propose and experimental validation of a light-weight and shock-proof liquid cooling battery thermal management system. **2023**, 62, 106933 ○
- 102 Experimental and numerical investigations of the thermal/hydraulic characteristics of novel micropin-fin heat sinks. **2023**, 209, 124079 ○
- 101 An additively manufactured manifold-microchannel heat sink for high-heat flux cooling. **2023**, 248, 108228 ○
- 100 Geometric optimization of pin fins for enhanced cooling in a microchannel heat sink. **2023**, 190, 108321 ○
- 99 Observation of two different cool flame regimes of diethyl ether in a counterflow burner. **2023**, 346, 128269 ○
- 98 Experimental and numerical study on the critical initiation radii of 1,3-Butadiene/Oxygen/Helium flame under elevated pressures. **2023**, 345, 128191 ○
- 97 Flow and heat transfer of supercritical hydrocarbon fuel in additively manufactured cooling channels. **2023**, 209, 124020 ○
- 96 Heat Transfer Characteristics of Particle and Air Flow Through Additively Manufactured Lattice Frame Material Based on Octet-Shape Topology. **2023**, 145, ○
- 95 Experimental and numerical investigations of heat transfer characteristics of vertical falling film heat exchanger in data center cabinets. **2023**, 144, 106742 ○

- 94 Experimental study on condensation heat transfer characteristics in C-shaped tube under rolling conditions. **2023**, 408, 112327 ○
- 93 Condensation heat transfer coefficient during steam intermittent flows in a horizontal minichannel. **2023**, 145, 110875 ○
- 92 Intensified convective energy tapping in modified tubes using Azadirachta indica brewed zinc oxide as potential thermo-fluids. **2023**, 189, 108287 ○
- 91 Experimental study on combustion and emission characteristics of fatty acid methyl esters and hydrogenated catalytic biodiesel/diesel blends under world harmonized steady state cycle. **2023**, 343, 127887 ○
- 90 Experimental study of the hydrothermal characteristics of copper tube in the presence of the multi-string and multi-strip magnetic turbulator. **2023**, 228, 120471 ○
- 89 Novel prediction of thermal conductivities for nano-aerogel and its composites as vacuum insulation panel core. **2023**, 189, 108277 ○
- 88 Investigations on interstage boosting pressure and pressurization prediction of a multistage centrifugal pump under gas-liquid condition. **2023**, 226, 211765 ○
- 87 Experimental investigation on flow boiling characteristics in offset strip fin channels under different sloshing conditions. **2023**, 145, 110880 ○
- 86 Effect of blowing ratio, rotation, and film hole row location on film cooling on the suction surface of a rotating turbine blade. **2023**, 208, 124048 ○
- 85 Experimental study on gas-liquid flow patterns and bubble size in a high-speed rotating impeller of a three-stage centrifugal pump. **2023**, 145, 110896 ○
- 84 Heat transfer and pressure drop investigation for prescribed heat fluxes on both the inner and outer wall of an annular duct. **2023**, 145, 110907 ○
- 83 Investigating the Effects of Fe<sub>3</sub>O<sub>4</sub> Nanoparticles Concentration and the Intensity of Homogeneous Alternating Magnetic Field on Pool Boiling. **2022**, ○
- 82 Ignition and vapor transfer behavior of liquid fuel ignited by radiation from neighbouring liquid pool fire. **2023**, 142, 106634 ○
- 81 Experimental analysis on drying performance of a condensing clothes dryer with two new plate-fin heat exchangers. **2023**, 42, 102769 ○
- 80 R410A and R32 condensation heat transfer and flow patterns inside horizontal micro-fin and 3-D enhanced tubes. **2023**, 142, 106638 ○
- 79 Enhanced boiling heat transfer of HFE-7100 on copper foams under overflow conditions. **2023**, 224, 120083 ○
- 78 Experimental investigation on photovoltaic cooling cycle with R141b/R245fa mixture under the electric field. **2023**, 269, 126716 ○
- 77 The investigation of the innovative hybrid heat pump system designed and prototyped for heating process of electric vehicles. **2023**, 68, 417-435 ○

- 76 The Influence of Turbulence and Reynolds Number on Endwall Heat Transfer in a Vane Cascade. **2023**, 145, ○
- 75 Heat Transfer of Water Flow Boiling in Nanostructured Open Microchannels. **2023**, 16, 1303 ○
- 74 Experimental evaluation for potential drop in refrigerants under high-ambient conditions. **2023**, 39, 101358 ○
- 73 Critical Heat Flux Condition and Post-Critical Heat Flux Heat Transfer of Carbon Dioxide at High Reduced Pressures in a Microchannel. **2023**, 145, ○
- 72 Novel Design of Double Slope Solar Distiller with Prismatic Absorber Basin, Linen Wicks, and Dual Parallel Spraying Nozzles: Experimental Investigation and Energetic-Economic Analyses. **2023**, 15, 610 ○
- 71 Experimental investigation on a heating-and-cooling difunctional battery thermal management system based on refrigerant. **2023**, 225, 120138 ○
- 70 Design, fabrication and heat transfer performance study of a novel flexible flat heat pipe. **2023**, 142, 106673 ○
- 69 Experimental analysis of water transfer and thermal-hydraulic performance of membrane humidifiers with three flow field designs. **2023**, 336, 120823 ○
- 68 Exergy analysis and Experimental investigation of various vortex tube material with different combination of vortex generators. **2023**, ○
- 67 Improving performance prediction of evacuated tube solar collector through convolutional neural network method. **2023**, 39, 101717 1
- 66 Spray cooling heat transfer enhancement by ethanol additive: Effect of Sauter mean diameter and fluid volumetric flux. ○
- 65 Experimental evidence of enhanced boil-off in isobaric mobile cryogenic vessels. **2023**, 1 ○
- 64 Investigation on the Performance of CO<sub>2</sub> Absorption in Ceramic Hollow-Fiber Gas/Liquid Membrane Contactors. **2023**, 13, 249 ○
- 63 The Experimental Study of an R744 Heat Pump System for an Electric Vehicle for Cabin Cooling or Heating and Battery Fast Charging Cooling. **2023**, 16, 2061 ○
- 62 Examining adequacy of the empirical Theodorsen function for wind turbine blade section-model aeroelasticity. **2023**, 118, 103843 ○
- 61 Visualization Investigation on Temperature Oscillation and Two-Phase Behaviors of A Flat Loop Heat Pipe. ○
- 60 Energy and exergy analysis of a liquid desiccant heat and mass transfer loop with natural convection: The effect of heat sink and heat source temperature. **2023**, 45, 102833 ○
- 59 Experimental study on crude oil fouling in preheat exchangers at different operating conditions. **2023**, 39, 101742 ○

- 58 Comparison of heat-transfer performance of a flat-plate pulsating heat pipe based on heating orientation and cross-sectional shape of the pipe. **2023**, 10, 22-00415-22-00415 ○
- 57 Particulate fouling during boiling heat transfer and crystallization of CaCO<sub>3</sub> aqueous solutions. ○
- 56 Experimental Research on the Effect of Oil Charge Ratio on the Cooling Performance of CO<sub>2</sub> Air Conditioning System for Electric Vehicles. **2023**, 3, 100118 ○
- 55 Experimental investigation of the effect of mechanical vibration and rotating magnetic field on the hydrothermal performance of water-Fe<sub>3</sub>O<sub>4</sub> ferrofluid inside a rifled tube. **2023**, 572, 170586 ○
- 54 Evaporation Flow Heat Transfer Characteristics of Stainless Steel and Copper Enhanced Tubes. **2023**, 16, 2331 ○
- 53 Experimental investigation of a desalination system based on evacuated tube collector. ○
- 52 Condensation Flow Heat Transfer Characteristics of Stainless Steel and Copper Enhanced Tubes. **2023**, 16, 1962 ○
- 51 Experimental Analysis of a Bayonet Tube at Constant Wall Temperature Conditions Under Laminar, Transition, and Turbulent Flow. **2023**, 145, ○
- 50 Fischer-Tropsch and other synthesized hydrocarbon fuels. **2023**, 235-289 ○
- 49 Thermal Sensor Allocation for Effective and Efficient Heat Transfer Measurements in Transportation Systems. **2023**, 23, 2803 ○
- 48 An Investigation on Predicting Natural Convection around Hollow Hybrid Fin Arrays. **2023**, 27, 14-21 ○
- 47 Heat Transfer and Flow Study in a Pipe with Ring-Type Inserts: Experiment Study. ○
- 46 Superbiphilic patterned nanowires with wicking for enhanced pool boiling heat transfer. **2023**, 249, 108280 ○
- 45 Outdoor Testing of Double Slope Condensation Surface for Extraction of Water from Air. **2023**, 15-40 ○
- 44 Upstream Endwall Film-Cooling in a Vane Cascade with Cylindrical Shape Holes. 1-14 ○
- 43 Experimental Study on Gas-Liquid Performance and Prediction of Shaft Power and Efficiency by Dimensionless Coefficients in a Multistage Electrical Submersible Pump. **2023**, 145, ○
- 42 Phase proper orthogonal decomposition of non-stationary turbulent flow. **2023**, 35, 045109 ○
- 41 Effect of coolant pulsation on film cooling performance on turbine vane. 1-22 ○

- 40 Ligand Substitution: An Effective Way for Tuning Structures of ZIF-7 Nanoparticles (NPs) and Improving Energy Recovery Performance of ZIF/PA TFN Membranes. ○
- 39 Enhanced Performance of Combined Photovoltaic/Thermoelectric Generator and Heat Sink Panels with a Dual-Axis Tracking System. **2023**, 16, 2658 ○
- 38 Heat transfer and flow resistance performance of nonuniform distributed serrated fins. 1-17 ○
- 37 Effects of aluminum and copper oxides nanoparticles as fuel additives on diesel engine operating characteristics. **2023**, 14, 101721 ○
- 36 Evaluation of the gravitational effects on flow boiling heat transfer of R134a in a 0.5 mm tube under conditions of imposed wall-temperature. 1-23 ○
- 35 Experimental Investigation of High-Pressure Liquid Ammonia Injection under Non-Flash Boiling and Flash Boiling Conditions. **2023**, 16, 2843 ○
- 34 Evaluation of correlations for mass flow rate of refrigerant through electronic expansion valve in air-water heat pump system using R32. **2023**, ○
- 33 Research into the Aerodynamic Attenuation of Hot-Melt Adhesive Fibers Produced by Multihole Melt-Blowing Nozzles. **2023**, 62, 5594-5612 ○
- 32 Experimental and modeling study of molecular diffusion of carbon dioxide in light oil. ○
- 31 Experimental Study on the Smoke Temperature Decrease near Natural Vents Induced by Air Entrainment in a Tunnel Fire. **2023**, 2023, 1-11 ○
- 30 Experimental Study of Boiling Heat Transfer Characteristics of Metal Foam Porous-wall Mini-channels. **2023**, ○
- 29 Study on the ejector-expansion refrigeration system for low-temperature freezer application: experimental and exergetic assessments. **2023**, ○
- 28 Wave Detection and Tracking Within a Rotating Detonation Engine Through Object Detection. 1-14 ○
- 27 Heat transfer performance and fouling factor analysis of carbon dot nanofluid synthesized using one-step method. ○
- 26 Influence of nozzle geometry on wall static pressure coefficient of the submerged turbulent jet impinging on a smooth flat surface. 1-10 ○
- 25 Combustion characteristics of CI engine fueled with WCO biodiesel/diesel blends at different compression ratios and EGR. ○
- 24 Nanofluid as the working fluid of an ultrasonic-assisted double-pipe counter-flow heat exchanger. ○
- 23 Embedded heat pipe SiC interposer for distributed power devices. **2023**, 45, 102978 ○

- 22 A review of uncertainty quantification and its applications in numerical simulation of scramjet combustor. **2023**, 100351 ○
- 21 Polynomial functions for direct calculation of the surface free energy developed from the Neumann equation of state method. **2023**, 103370 ○
- 20 Air Side Thermal-Hydraulic Characteristics of Rectangular Finned-Tube Heat Exchangers with Elliptic Tubes. **2023**, ○
- 19 Review on modelling approaches of thermoregulation mechanisms. ○
- 18 Experimental and numerical study on heat transfer and flow characteristics of molten salt nanofluids in spiral-wound tube heat exchanger. **2023**, 191, 108343 ○
- 17 Experimental investigation of thermal performance of novel type vortex generator in rectangular channel. **2023**, 144, 106785 ○
- 16 Design and thermal performance of thermal diode based on the asymmetric flow resistance in vapor channel. **2023**, 191, 108345 ○
- 15 Experimental investigation of heat transfer to supercritical pressure R410a in a U-tube. **2023**, 120606 ○
- 14 An investigation on the efficient reverse cycle defrosting strategy for microchannel heat exchanger heat pump system. **2023**, 106537 ○
- 13 Mechanical agitation triggered crystallization of eutectic phase change material xylitol/erythritol with persistent supercooling for controllable heat retrieval. **2023**, 256, 112335 ○
- 12 Experimental investigation of a solar-assisted absorption-compression system for heating and cooling. **2023**, 257, 18-33 ○
- 11 Improve the secondary structure of the series ionic wind generator to regulate the flow distribution and its application in electronics cooling. **2023**, 191, 108362 ○
- 10 Air-side heat transfer enhancement in fin-tube heat exchangers using forced vibrations under various conditions. **2023**, 144, 106798 ○
- 9 Numerical and experimental investigations on melting heat transfer performance of PCM in finned cold thermal energy storage. **2023**, 210, 124199 ○
- 8 Anti-wear (AW) and extreme-pressure (EP) behavior of jojoba oil dispersed with green additive CaCO<sub>3</sub> nanoparticles. **2023**, 70, ○
- 7 Endpoint Estimation using a measurement sensor for freeze-drying process control. **2023**, 101848 ○
- 6 Thermal and energy performance evaluation of a full-scale test cabin equipped with PCM embedded radiant chilled ceiling. **2023**, 110348 ○
- 5 Influence of hydrogen and methane addition in laminar ammonia premixed flame on burning velocity, Lewis number and Markstein length. **2023**, 253, 112786 ○

- 4 Fluid flow and heat transfer characteristics of three-dimensional slot film cooling in an annular combustor. **2023**, 211, 124211
- 3 Experimental and economic analysis of optimization potential for annual operating characteristics of air source transcritical CO2 heat pump system. **2023**, 42, 101864
- 2 Experimental and numerical evaluation of heat transfer enhancement by internal flow excitation. **2023**, 192, 108395
- 1 Effects of pressure side film cooling hole placement and condition on surface heat transfer coefficients along a transonic turbine blade tip. **2023**, 192, 108399