

Oronzio Manca

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

223
papers

4,325
citations

33
h-index

59
g-index

312
ext. papers

4,941
ext. citations

2.9
avg, IF

5.98
L-index

#	Paper	IF	Citations
223	Entropy generation analysis of laminar forced convection with nanofluids at pore length scale in porous structures with Kelvin cells. <i>International Communications in Heat and Mass Transfer</i> , 2022 , 132, 105883	5.8	1
222	Thermal and hydrodynamic behavior of forced convection gaseous slip flow in a Kelvin cell metal foam. <i>International Communications in Heat and Mass Transfer</i> , 2022 , 131, 105838	5.8	1
221	Lithium Batteries Cooling by Phase Change Material Partially Filled with Metal Foam. <i>E3S Web of Conferences</i> , 2021 , 312, 03002	0.5	
220	Numerical investigation on latent thermal energy storage in shell and corrugated internal tube with PCM and metal foam. <i>E3S Web of Conferences</i> , 2021 , 312, 03003	0.5	
219	Numerical Investigation on the Thermal Control of Lithium Batteries for Electric Cars Using Metal Foams and Phase Change Materials. <i>Journal of Physics: Conference Series</i> , 2021 , 1868, 012015	0.3	1
218	Numerical Study on Thermal and Fluid Dynamic Behavior of Confined Impinging Slot Jets with Nanofluids in Partially Filled Configuration of Metal Foam. <i>Journal of Physics: Conference Series</i> , 2021 , 1868, 012007	0.3	
217	Heat transfer enhancement of laminar impinging slot jets by nanofluids and metal foams. <i>Thermal Science and Engineering Progress</i> , 2021 , 22, 100860	3.6	5
216	Transient free convection of variable viscosity liquid in an inclined cube affected by the temperature modulation on a vertical wall. <i>International Journal of Thermal Sciences</i> , 2021 , 164, 106880	4.1	2
215	Double diffusion in a rectangular duct using metals or oxides suspended in a viscous fluid. <i>Thermal Science and Engineering Progress</i> , 2021 , 21, 100793	3.6	3
214	Analysis of the Parameters Required to Properly Define Nanofluids for Heat Transfer Applications. <i>Fluids</i> , 2021 , 6, 65	1.6	3
213	Heat transfer analysis of rectangular porous fins in local thermal non-equilibrium model. <i>Applied Thermal Engineering</i> , 2021 , 195, 117237	5.8	9
212	Heat transfer of chemically reacting mixed convection fluid using convective surface condition: Non-Darcy model. <i>Thermal Science and Engineering Progress</i> , 2021 , 25, 101044	3.6	1
211	Effect of third size on natural convection of variable viscosity fluid in a closed parallelepiped. <i>International Communications in Heat and Mass Transfer</i> , 2021 , 128, 105618	5.8	1
210	Cooling of periodically heat-generated element under the convective-radiative heat transfer in a rotating domain with a thermally conducting base plate. <i>International Journal of Thermal Sciences</i> , 2021 , 170, 107150	4.1	2
209	Numerical Investigation on Heat Transfer in Confined Impinging Slot Jets with Nanofluids in Partially Filled Configuration of Metal Foam. <i>E3S Web of Conferences</i> , 2020 , 197, 10010	0.5	
208	A Numerical Analysis on a Solar Chimney with an Integrated Thermal Energy Storage with Phase Change Material in Metal Foam. <i>E3S Web of Conferences</i> , 2020 , 197, 08001	0.5	2
207	Energy savings with heat transfer enhancement techniques and heat exchangers. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 141, 1-4	4.1	5

206	Transient air natural convection in asymmetrically heated vertical channels. <i>International Communications in Heat and Mass Transfer</i> , 2020 , 116, 104697	5.8	4
205	Evaluation of thermal and fluid dynamic performance parameters in aluminum foam compact heat exchangers. <i>Applied Thermal Engineering</i> , 2020 , 176, 115456	5.8	11
204	Investigation on Thermal and Fluid Dynamic Behaviors in Mixed Convection in Horizontal Channels with Aluminum Foam and Heated from Below. <i>E3S Web of Conferences</i> , 2020 , 197, 10006	0.5	2
203	Convection in a vertical duct under the chemical reaction influence using Robin boundary conditions. <i>Thermal Science and Engineering Progress</i> , 2020 , 15, 100440	3.6	4
202	Numerical investigation on thermoelectric generators in an exhaust automotive line with aluminium foam. <i>Journal of Physics: Conference Series</i> , 2020 , 1599, 012014	0.3	
201	Numerical Analysis on Pressure Drop and Heat Transfer in Nanofluids at Pore Length Scale in Open Metal Porous Structures with Kelvin Cells. <i>Heat Transfer Engineering</i> , 2020 , 1-11	1.7	1
200	Numerical Analysis on a Latent Thermal Energy Storage System with Phase Change Materials and Aluminum Foam. <i>Heat Transfer Engineering</i> , 2020 , 41, 1075-1084	1.7	13
199	Selected Papers from the AIGE 2016 Conference on Energy Conversion, Management, Recovery, Saving, Storage and Renewable Systems. <i>Heat Transfer Engineering</i> , 2020 , 41, 1011-1013	1.7	
198	The effect of PPI on thermal parameters in compact heat exchangers with aluminum foam. <i>Journal of Physics: Conference Series</i> , 2019 , 1224, 012045	0.3	
197	Professor Bengt SundB on his 70th Birthday. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 141, 1315-1317	4.9	
196	Professor Yogesh Jaluria on his 70th Birthday. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 140, 1106-1107	4.9	
195	Heat transfer performance of the finned nano-enhanced phase change material system under the inclination influence. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 135, 1063-1072	4.9	81
194	On assessment of heat transfer deterioration of a channel with supercritical n-decane for scramjet engines cooling. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 135, 782-795	4.9	19
193	Numerical investigation of MHD effects on nanofluid heat transfer in a baffled U-shaped enclosure using lattice Boltzmann method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 135, 3197-3213	4.1	55
192	NanoRound: A benchmark study on the numerical approach in nanofluids simulation. <i>International Communications in Heat and Mass Transfer</i> , 2019 , 108, 104292	5.8	40
191	An evaluation on the laminar effect of buoyancy-driven supercritical hydrocarbon fuel flow and heat transfer characteristics. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 142, 118414	4.9	9
190	Numerical study on latent thermal energy storage systems with aluminum foam in local thermal equilibrium. <i>Applied Thermal Engineering</i> , 2019 , 159, 113980	5.8	53
189	Numerical study on latent thermal energy storages with PCM partially filled with aluminium foam. <i>Journal of Physics: Conference Series</i> , 2019 , 1224, 012039	0.3	

188	Thermal and Fluid Dynamic Behaviors of Confined Slot Jets Impinging on an Isothermal Moving Surface with Nanofluids. <i>Energies</i> , 2019 , 12, 2074	3.1	12
187	Convective Heat Transfer of Nanofluids in Porous Media 2019 , 55-86		
186	Thermal and thermomechanical performance of actively cooled pyramidal sandwich panels. <i>International Journal of Thermal Sciences</i> , 2019 , 139, 118-128	4.1	8
185	A numerical analysis on a solar chimney with an integrated latent heat thermal energy storage 2019 ,		2
184	Numerical investigation of an inclined rectangular cavity for ventilated roofs applications. <i>Thermal Science and Engineering Progress</i> , 2018 , 6, 426-435	3.6	9
183	Numerical investigation on aluminum foam application in a tubular heat exchanger. <i>Heat and Mass Transfer</i> , 2018 , 54, 2589-2597	2.2	7
182	Solar energy latent thermal storage by phase change materials (PCMs) in a honeycomb system. <i>Thermal Science and Engineering Progress</i> , 2018 , 6, 410-420	3.6	21
181	Enhancement of Heat Transfer in Partially Heated Vertical Channel Under Mixed Convection by Using Al ₂ O ₃ Nanoparticles. <i>Heat Transfer Engineering</i> , 2018 , 39, 229-240	1.7	9
180	Selected Papers from the ASME-ATI-UIT 2015 Conference on Thermal Energy Systems: Production, Storage, Utilization, and the Environment. <i>Heat Transfer Engineering</i> , 2018 , 39, 195-197	1.7	1
179	Celebration of Professor Adrian Bejan on his 70th birthday. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 126, 1377-1378	4.9	
178	Special Issue on Recent Advances in Fundamentals and Applications of Biomass Energy. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2018 , 140,	2.6	4
177	Thermal cooling behaviors of lithium-ion batteries by metal foam with phase change materials. <i>Energy Procedia</i> , 2018 , 148, 1175-1182	2.3	9
176	Numerical investigation on laminar slot-jet impinging on a surface at uniform heat flux in a channel partially filled with a porous medium. <i>Energy Procedia</i> , 2018 , 148, 790-797	2.3	3
175	Numerical investigation on a Heat Exchanger in Aluminum Foam. <i>Energy Procedia</i> , 2018 , 148, 782-789	2.3	9
174	Convective heat transfer in thermally developing flow in micro-channels filled with porous media under local thermal non-equilibrium conditions. <i>Energy Procedia</i> , 2018 , 148, 1058-1065	2.3	5
173	Numerical Study of Latent Heat Thermal Energy Storage Enhancement by Nano-PCM in Aluminum Foam. <i>Inventions</i> , 2018 , 3, 76	2.9	4
172	Heat transfer inside cooling system based on phase change material with alumina nanoparticles. <i>Applied Thermal Engineering</i> , 2018 , 144, 972-981	5.8	74
171	INVESTIGATION ON LATENT THERMAL ENERGY STORAGE WITH PARALLEL SQUARED CHANNEL SYSTEMS. <i>Multiphase Science and Technology</i> , 2018 , 30, 121-134	1	

170	Nano-PCMs for enhanced energy storage and passive cooling applications. <i>Applied Thermal Engineering</i> , 2017 , 110, 584-589	5.8	132
169	Thermal and Thermomechanical Performances of Pyramidal Core Sandwich Panels Under Aerodynamic Heating. <i>Journal of Thermal Science and Engineering Applications</i> , 2017 , 9,	1.9	9
168	Nano-Phase Change Materials for Electronics Cooling Applications. <i>Journal of Heat Transfer</i> , 2017 , 139,	1.8	20
167	Experimental investigation and model development for thermal conductivity of Al_2O_3 -glycerol nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 85, 12-22	5.8	44
166	Numerical investigation on forced convection in rectangular cross section micro-channels with nanofluids. <i>Journal of Physics: Conference Series</i> , 2017 , 796, 012013	0.3	1
165	A pore scale analysis for determination of interfacial convective heat transfer coefficient for thin periodic porous media under mixed convection. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2017 , 00-00	4.5	3
164	Local Thermal Non-Equilibrium Investigation on Natural Convection in Horizontal Channel Heated from Above and Partially Filled with Aluminum Foam. <i>Energy Procedia</i> , 2017 , 126, 42-49	2.3	3
163	Heat Transfer Behaviors of Parallel Plate Systems in Sensible Thermal Energy Storage. <i>Energy Procedia</i> , 2017 , 126, 107-114	2.3	1
162	An investigation of thermal characteristics of eutectic molten salt-based nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2017 , 87, 98-104	5.8	25
161	Numerical investigation on laminar round-jet impinging on a surface at uniform heat flux in a channel partially filled with a porous medium. <i>Journal of Physics: Conference Series</i> , 2017 , 796, 012012	0.3	
160	A Numerical and Experimental Investigation on Impinging Round Jets in Channel Partially Filled With Porous Media 2017 ,		1
159	Numerical investigation on thermal behaviors of two-dimensional latent thermal energy storage with PCM and aluminum foam. <i>Journal of Physics: Conference Series</i> , 2017 , 796, 012031	0.3	4
158	Field-Synergy and Figure-of-Merit Analysis of Two Oxide-Water-Based Nanofluids TFlow in Heated Tubes. <i>Heat Transfer Engineering</i> , 2017 , 38, 909-918	1.7	16
157	Numerical investigation on natural convection in horizontal channel partially filled with aluminium foam and heated from above. <i>Journal of Physics: Conference Series</i> , 2017 , 923, 012049	0.3	3
156	Thermal behavior evaluation of ventilated roof under summer and winter conditions. <i>International Journal of Heat and Technology</i> , 2017 , 35, S353-S360	2.2	3
155	Phase Change Materials (PCMs) in a honeycomb system for solar energy applications. <i>International Journal of Heat and Technology</i> , 2017 , 35, S472-S477	2.2	11
154	Comparative Methods in Convective Heat Transfer Enhancement by Nanofluids 2017 , 29-50		
153	A Numerical Analysis on a Compact Heat Exchanger in Aluminum Foam. <i>Journal of Physics: Conference Series</i> , 2016 , 745, 032141	0.3	2

152	Confined Impinging Jets in Porous Media. <i>Journal of Physics: Conference Series</i> , 2016 , 745, 032142	0.3	6
151	Nanofluid Impinging Jets in Porous Media 2016 , 7, 84-113		1
150	Forced convection enhancement in channels with transversal ribs and nanofluids. <i>Applied Thermal Engineering</i> , 2016 , 98, 1044-1053	5.8	51
149	Thermal and fluid dynamic behaviors of confined laminar impinging slot jets with nanofluids. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 70, 15-26	5.8	36
148	Experimental and Numerical Investigation on Forced Convection in Circular Tubes With Nanofluids. <i>Heat Transfer Engineering</i> , 2016 , 37, 1201-1210	1.7	16
147	Thermal behavior evaluation of ventilated roof under variable solar radiation. <i>International Journal of Heat and Technology</i> , 2016 , 34, S346-S350	2.2	3
146	Thermal Behaviors of Latent Thermal Energy Storage System with PCM and Aluminum Foam. <i>International Journal of Heat and Technology</i> , 2016 , 34, S359-S364	2.2	6
145	Experimental Investigation on Fluid Dynamic and Thermal Behavior in Confined Impinging Round Jets in Aluminum Foam. <i>Energy Procedia</i> , 2016 , 101, 1095-1102	2.3	7
144	Experimental Evaluation of Fluid Dynamic and Thermal Behaviors in Compact Heat Exchanger with Aluminum Foam. <i>Energy Procedia</i> , 2016 , 101, 1103-1110	2.3	9
143	Nano-PCMs for Electronics Cooling Applications 2016 ,		2
142	Forced convection in porous microchannels with viscous dissipation in local thermal non-equilibrium conditions. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 76, 46-54	5.8	9
141	Numerical investigation on laminar slot-jet impinging in a confined porous medium in local thermal non-equilibrium. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 98, 484-492	4.9	22
140	A Numerical Analysis on Nanofluid Mixed Convection in Triangular Cross-Sectioned Ducts Heated by a Uniform Heat Flux. <i>Advances in Mechanical Engineering</i> , 2015 , 7, 292973	1.2	5
139	Radiation effects on natural convection in a vertical channel with an auxiliary plate. <i>International Journal of Thermal Sciences</i> , 2015 , 97, 41-55	4.1	13
138	Effect of temperature and sonication time on nanofluid thermal conductivity measurements by nano-flash method. <i>Applied Thermal Engineering</i> , 2015 , 91, 181-190	5.8	64
137	Characterization and Simulation of the Heat Transfer Behaviour of Water-Based ZnO Nanofluids. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 3599-609	1.3	11
136	Numerical investigation of convective-radiative heat transfer in a building-integrated solar chimney. <i>Advances in Building Energy Research</i> , 2015 , 9, 253-266	1.8	7
135	Nano-PCMs for passive electronic cooling applications. <i>Journal of Physics: Conference Series</i> , 2015 , 655, 012030	0.3	7

134	TRANSIENT ANALYSIS OF HEAT TRANSFER IN PARALLEL SQUARED CHANNELS FOR HIGH TEMPERATURE THERMAL STORAGE. <i>Computational Thermal Sciences</i> , 2015 , 7, 477-489	1.9	4
133	NUMERICAL AND EXPERIMENTAL INVESTIGATIONS ON A SOLAR CHIMNEY INTEGRATED IN A BUILDING FACADE. <i>International Journal of Heat and Technology</i> , 2015 , 33, 246-254	2.2	2
132	Entropy generation analysis of turbulent convection flow of Al ₂ O ₃ /water nanofluid in a circular tube subjected to constant wall heat flux. <i>Energy Conversion and Management</i> , 2014 , 77, 306-314	10.6	98
131	Performance analysis of turbulent convection heat transfer of Al ₂ O ₃ water-nanofluid in circular tubes at constant wall temperature. <i>Energy</i> , 2014 , 77, 403-413	7.9	75
130	Thermal energy storages analysis for high temperature in air solar systems. <i>Applied Thermal Engineering</i> , 2014 , 71, 130-141	5.8	22
129	Forced convection in micro-channels filled with porous media in local thermal non-equilibrium conditions. <i>International Journal of Thermal Sciences</i> , 2014 , 77, 206-222	4.1	66
128	An Analysis of the Electricity Sector in Romania. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2014 , 9, 149-155	3.1	8
127	Numerical Investigation on Thermal Behaviors of an Inclined Ventilated Roof 2014 ,		1
126	Numerical Simulation of Convective-Radiative Heat Transfer in a Solar Chimney 2014 ,		1
125	Local Thermal Non-Equilibrium in Mixed Convection in Channels Partially Heated at Uniform Heat Flux Filled With a Porous Medium 2014 ,		3
124	Mixed convection in horizontal channels partially filled with aluminium foam heated from below and with external heat losses on upper plate. <i>Journal of Physics: Conference Series</i> , 2014 , 501, 012005	0.3	4
123	A comparison of nanofluid thermal conductivity measurements by flash and hot disk techniques. <i>Journal of Physics: Conference Series</i> , 2014 , 547, 012046	0.3	8
122	Effects of High Reynolds Number Impinging Jet on the Heat Conduction in Work-Pieces Irradiated by a Moving Heat Source. <i>Defect and Diffusion Forum</i> , 2014 , 354, 189-194	0.7	
121	Forced convection of air through networks of square rods or cylinders embedded in microchannels. <i>Microfluidics and Nanofluidics</i> , 2014 , 16, 287-304	2.8	4
120	Experimental Investigation on Mixed Convection in Horizontal Channels Heated Below and Partially Filled with Aluminium Foam 2014 ,		2
119	Heat Transfer Behaviors of Thermal Energy Storages for High Temperature Solar Systems. <i>Advanced Structured Materials</i> , 2013 , 119-139	0.6	
118	Turbulent mixed convection in a uniformly heated vertical channel with an assisting moving surface. <i>International Journal of Thermal Sciences</i> , 2013 , 71, 20-31	4.1	8
117	Linear Regression Models to Forecast Electricity Consumption in Italy. <i>Energy Sources, Part B: Economics, Planning and Policy</i> , 2013 , 8, 86-93	3.1	54

116	Experimental studies on radiation heat transfer enhancement on a standard muffle furnace. <i>Thermal Science</i> , 2013 , 17, 591-598	1.2	
115	Influence of Microtube Heating Geometry on Behavior of an Alumina Nanofluid at Low Reynolds Numbers. <i>Applied Mechanics and Materials</i> , 2013 , 371, 596-600	0.3	1
114	Second Law Analysis of Al ₂ O ₃ -Water Nanofluid Turbulent Forced Convection in a Circular Cross Section Tube with Constant Wall Temperature. <i>Advances in Mechanical Engineering</i> , 2013 , 5, 920278	1.2	21
113	2013 ,		7
112	Heat transfer in a multi-layered thermal protection system under aerodynamic heating. <i>International Journal of Thermal Sciences</i> , 2012 , 53, 56-70	4.1	43
111	Transient natural convection in a vertical microchannel heated at uniform heat flux. <i>International Journal of Thermal Sciences</i> , 2012 , 56, 35-47	4.1	29
110	Transient mixed convection in a channel with an open cavity filled with porous media. <i>Journal of Physics: Conference Series</i> , 2012 , 395, 012149	0.3	4
109	Numerical investigation of transient natural convection in a vertical channel-chimney system symmetrically heated at uniform heat flux. <i>International Journal of Heat and Mass Transfer</i> , 2012 , 55, 6077-6089	4.9	14
108	Numerical analysis of radiation effects in a metallic foam by means of the radiative conductivity model. <i>Applied Thermal Engineering</i> , 2012 , 49, 14-21	5.8	9
107	A numerical study of nanofluid forced convection in ribbed channels. <i>Applied Thermal Engineering</i> , 2012 , 37, 280-292	5.8	182
106	Numerical investigation on sensible thermal energy storage with porous media for high temperature solar systems. <i>Journal of Physics: Conference Series</i> , 2012 , 395, 012150	0.3	8
105	Thermal Energy Storages Analysis for High Temperature in Air Solar Systems 2012 ,		1
104	Numerical Study of Laminar Confined Impinging Slot Jets with Nanofluids. <i>Advances in Mechanical Engineering</i> , 2012 , 4, 248795	1.2	9
103	Numerical Investigation on Mixed Convection in Triangular Cross-Section Ducts with Nanofluids. <i>Advances in Mechanical Engineering</i> , 2012 , 4, 139370	1.2	7
102	Numerical Simulation of Transient Temperature Fields in Solids Irradiated by Moving Gaussian and Donut Sources. <i>Defect and Diffusion Forum</i> , 2011 , 312-315, 959-964	0.7	
101	Numerical Study of Transient Natural Convection in Air in Vertical Divergent Channels. <i>Numerical Heat Transfer; Part A: Applications</i> , 2011 , 60, 580-603	2.3	6
100	Numerical Analysis on Nanofluid Forced Convection in Ducts With Triangular Cross Sections 2011 ,		1
99	Numerical study of a confined slot impinging jet with nanofluids. <i>Nanoscale Research Letters</i> , 2011 , 6, 188	5	84

98	Enhancement of heat transfer and entropy generation analysis of nanofluids turbulent convection flow in square section tubes. <i>Nanoscale Research Letters</i> , 2011 , 6, 252	5	63
97	Special issue on nanofluids. <i>Nanoscale Research Letters</i> , 2011 , 6, 99	5	1
96	Numerical investigation on nanofluids turbulent convection heat transfer inside a circular tube. <i>International Journal of Thermal Sciences</i> , 2011 , 50, 341-349	4.1	156
95	Darcy mixed convection in a fluid saturated square porous enclosure under multiple suction effect. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2011 , 21, 602-617	4.5	7
94	Correlations for Natural Convection in Vertical Convergent Channels With Conductive Walls and Radiative Effects. <i>Heat Transfer Engineering</i> , 2011 , 32, 439-454	1.7	3
93	Effect of Impinging Jet on Heat Conduction in Workpieces Irradiated by a Moving Heat Source. <i>Defect and Diffusion Forum</i> , 2011 , 312-315, 924-928	0.7	1
92	Numerical Analysis of Water Forced Convection in Channels with Differently Shaped Transverse Ribs. <i>Journal of Applied Mathematics</i> , 2011 , 2011, 1-25	1.1	17
91	Numerical investigation of air forced convection in channels with differently shaped transverse ribs. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2011 , 21, 618-639	4.5	22
90	NUMERICAL STUDY OF AIR FORCED CONVECTION IN A CHANNEL PROVIDED WITH INCLINED RIBS. <i>Frontiers in Heat and Mass Transfer</i> , 2011 , 2,		3
89	Numerical Investigation on Transient Conjugate Optical-Thermal Fields in Thin Films Irradiated by Moving Sources for Front Treatments. <i>Defect and Diffusion Forum</i> , 2010 , 297-301, 1439-1444	0.7	
88	Natural Convection in Vertical Channels with Porous Media and Adiabatic Extensions. <i>Defect and Diffusion Forum</i> , 2010 , 297-301, 1432-1438	0.7	
87	Thermal and fluid dynamic behaviors in symmetrical heated channel-chimney systems. <i>International Journal of Numerical Methods for Heat and Fluid Flow</i> , 2010 , 20, 811-833	4.5	18
86	Effect of Solid Thickness on Transient Heat Conduction in Workpieces Irradiated by a Moving Heat Source. <i>Defect and Diffusion Forum</i> , 2010 , 297-301, 1445-1450	0.7	5
85	Numerical Investigation on the Steady State Natural Convection in a Horizontal Open-Ended Cavity with a Heated Upper Wall. <i>Numerical Heat Transfer; Part A: Applications</i> , 2010 , 57, 453-472	2.3	16
84	Thermal and Fluid Dynamic Analysis on Impinging Jet for Aircraft Anti-Icing 2010 ,		1
83	An investigation of the thermal performance of cylindrical heat pipes using nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2010 , 53, 376-383	4.9	179
82	Thermal performance of flat-shaped heat pipes using nanofluids. <i>International Journal of Heat and Mass Transfer</i> , 2010 , 53, 1438-1445	4.9	134
81	Analysis and forecasting of nonresidential electricity consumption in Romania. <i>Applied Energy</i> , 2010 , 87, 3584-3590	10.7	97

80	Radiative effects on natural convection in vertical convergent channels. <i>International Journal of Heat and Mass Transfer</i> , 2010 , 53, 3513-3524	4.9	21
79	Natural convection slip flow in a vertical microchannel heated at uniform heat flux. <i>International Journal of Thermal Sciences</i> , 2010 , 49, 1333-1344	4.1	34
78	Numerical Simulation of Water/Al ₂ O ₃ Nanofluid Turbulent Convection. <i>Advances in Mechanical Engineering</i> , 2010 , 2, 976254	1.2	31
77	Transient Natural Convection in Vertical Channels Symmetrically Heated at Uniform Heat Flux. <i>Numerical Heat Transfer; Part A: Applications</i> , 2009 , 55, 409-431	2.3	30
76	Numerical Model for Multilayer Thin Films Irradiated by a Moving Laser Source. <i>Defect and Diffusion Forum</i> , 2009 , 283-286, 352-357	0.7	1
75	Experimental Investigation of Radiation Effects on Natural Convection in Horizontal Channels Heated From Above. <i>Journal of Heat Transfer</i> , 2009 , 131,	1.8	7
74	A Two-Dimensional Numerical Investigation on Forced Convection in Channels With Transversal Ribs 2009 ,		1
73	Impinging Jet on a Concave Surface for Aircraft Anti-Icing 2009 ,		1
72	Electricity consumption forecasting in Italy using linear regression models. <i>Energy</i> , 2009 , 34, 1413-1421	7.9	347
71	Thermal management of a symmetrically heated channel chimney system. <i>International Journal of Thermal Sciences</i> , 2009 , 48, 475-487	4.1	22
70	Numerical investigation of transient thermal and fluiddynamic fields in an executive aircraft cabin. <i>Applied Thermal Engineering</i> , 2009 , 29, 3418-3425	5.8	27
69	Numerical investigation of nanofluids forced convection in circular tubes. <i>Applied Thermal Engineering</i> , 2009 , 29, 3632-3642	5.8	312
68	Transient Heat Conduction in Solids Irradiated by a Moving Heat Source. <i>Defect and Diffusion Forum</i> , 2009 , 283-286, 358-363	0.7	7
67	Numerical investigation of sensible thermal energy storage in high temperature solar systems 2009 ,		2
66	Experimental Investigation of Opposing Mixed Convection in a Channel with an open Cavity Below. <i>Experimental Heat Transfer</i> , 2008 , 21, 99-114	2.4	25
65	Compounded natural convection enhancement in a vertical parallel-plate channel. <i>International Journal of Thermal Sciences</i> , 2008 , 47, 742-748	4.1	15
64	Effect of a moving plate on heat transfer in a uniform heat flux vertical channel. <i>International Journal of Heat and Mass Transfer</i> , 2008 , 51, 3906-3912	4.9	6
63	Numerical investigation of transient single phase forced convection of nanofluids in circular tubes. <i>WIT Transactions on Engineering Sciences</i> , 2008 ,	2	2

62	Numerical and Experimental Investigation of the Thermal Behavior of a Complete Exhaust System 2007 ,		5
61	Experimental investigation on natural convection in horizontal channels with the upper wall at uniform heat flux. <i>International Journal of Heat and Mass Transfer</i> , 2007 , 50, 1075-1086	4.9	19
60	Experimental investigation on natural convection in a convergent channel with uniformly heated plates. <i>International Journal of Heat and Mass Transfer</i> , 2007 , 50, 2772-2786	4.9	8
59	Numerical Investigation of Transient Natural Convection in Air in a Convergent Vertical Channel Symmetrically Heated at Uniform Heat Flux. <i>Numerical Heat Transfer; Part A: Applications</i> , 2007 , 51, 1065-1086 ^{2,3} 13		
58	Numerical Investigation of Transient Natural Convection in a Horizontal Channel Heated from the Upper Wall. <i>Numerical Heat Transfer; Part A: Applications</i> , 2007 , 51, 815-842	2.3	19
57	Numerical Investigation of Forced Convection of Nanofluids in Circular Tubes 2007 , 839		
56	Numerical Investigation on Mixed Convection in a Horizontal Channel Heated From Below 2007 , 535		
55	Numerical Investigation on Transient Natural Convection in Vertical Channels With Heated and Cooled Walls 2007 , 545		1
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