Oronzio Manca

List of Publications by Year
in descending order

301	5,633	109137	95083
papers	citations	35 h-index	68 g-index

312	312	312	3462
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electricity consumption forecasting in Italy using linear regression models. Energy, 2009, 34, 1413-1421.	4.5	455
2	Numerical investigation of nanofluids forced convection in circular tubes. Applied Thermal Engineering, 2009, 29, 3632-3642.	3.0	386
3	A numerical study of nanofluid forced convection in ribbed channels. Applied Thermal Engineering, 2012, 37, 280-292.	3.0	219
4	An investigation of the thermal performance of cylindrical heat pipes using nanofluids. International Journal of Heat and Mass Transfer, 2010, 53, 376-383.	2.5	216
5	Nano-PCMs for enhanced energy storage and passive cooling applications. Applied Thermal Engineering, 2017, 110, 584-589.	3.0	199
6	Numerical investigation on nanofluids turbulent convection heat transfer inside a circular tube. International Journal of Thermal Sciences, 2011, 50, 341-349.	2.6	196
7	Thermal performance of flat-shaped heat pipes using nanofluids. International Journal of Heat and Mass Transfer, 2010, 53, 1438-1445.	2.5	150
8	Heat transfer performance of the finned nano-enhanced phase change material system under the inclination influence. International Journal of Heat and Mass Transfer, 2019, 135, 1063-1072.	2.5	116
9	Analysis and forecasting of nonresidential electricity consumption in Romania. Applied Energy, 2010, 87, 3584-3590.	5.1	113
10	Entropy generation analysis of turbulent convection flow of Al2O3â€“water nanofluid in a circular tube subjected to constant wall heat flux. Energy Conversion and Management, 2014, 77, 306-314.	4.4	111
11	EFFECT OF HEATED WALL POSITION ON MIXED CONVECTION IN A CHANNEL WITH AN OPEN CAVITY. Numerical Heat Transfer; Part A: Applications, 2003, 43, 259-282.	1.2	105
12	Numerical study of a confined slot impinging jet with nanofluids. Nanoscale Research Letters, 2011, 6, 188.	3.1	104
13	Heat transfer inside cooling system based on phase change material with alumina nanoparticles. Applied Thermal Engineering, 2018, 144, 972-981.	3.0	104
14	Numerical study on latent thermal energy storage systems with aluminum foam in local thermal equilibrium. Applied Thermal Engineering, 2019, 159, 113980.	3.0	94
15	Performance analysis of turbulent convection heat transfer of Al 2 O 3 water-nanofluid in circular tubes at constant wall temperature. Energy, 2014, 77, 403-413.	4.5	90
16	Effect of temperature and sonication time on nanofluid thermal conductivity measurements by nano-flash method. Applied Thermal Engineering, 2015, 91, 181-190.	3.0	84
17	Enhancement of heat transfer and entropy generation analysis of nanofluids turbulent convection flow in square section tubes. Nanoscale Research Letters, 2011, 6, 252.	3.1	76
18	Forced convection in micro-channels filled with porous media in local thermal non-equilibrium conditions. International Journal of Thermal Sciences, 2014, 77, 206-222.	2.6	75

#	Article	IF	Citations
19	Linear Regression Models to Forecast Electricity Consumption in Italy. Energy Sources, Part B: Economics, Planning and Policy, 2013, 8, 86-93.	1.8	73
20	Experimental investigation and model development for thermal conductivity of Î±-Al2O3-glycerol nanofluids. International Communications in Heat and Mass Transfer, 2017, 85, 12-22.	2.9	67
21	Numerical investigation of MHD effects on nanofluid heat transfer in a baffled U-shaped enclosure using lattice Boltzmann method. Journal of Thermal Analysis and Calorimetry, 2019, 135, 3197-3213.	2.0	67
22	Heat transfer enhancement by the chimney effect in a vertical isoflux channel. International Journal of Heat and Mass Transfer, 2001, 44, 4345-4357.	2.5	64
23	Experimental Investigation of Mixed Convection in a Channel With an Open Cavity. Experimental Heat Transfer, 2006, 19, 53-68.	2.3	60
24	Forced convection enhancement in channels with transversal ribs and nanofluids. Applied Thermal Engineering, 2016, 98, 1044-1053.	3.0	60
25	Heat Transfer in Nanofluids. Advances in Mechanical Engineering, 2010, 2, 380826.	0.8	60
26	Thermal and fluid dynamic behaviors of confined laminar impinging slot jets with nanofluids. International Communications in Heat and Mass Transfer, 2016, 70, 15-26.	2.9	59
27	Optimum plate separation in vertical parallelplate channels for natural convective flows: incorporation of large spaces at the channel extremes. International Journal of Heat and Mass Transfer, 1997, 40, 993-1000.	2.5	58
28	NUMERICAL ANALYSIS OF PARTIALLY HEATED VERTICAL PARALLEL PLATES IN NATURAL CONVECTIVE COOLING. Numerical Heat Transfer; Part A: Applications, 1999, 36, 129-151.	1.2	58
29	Quasi-steady-state three-dimensional temperature distribution induced by a moving circular gaussian heat source in a finite depth solid. International Journal of Heat and Mass Transfer, 1995, 38, 1305-1315.	2.5	53
30	Heat transfer in a multi-layered thermal protection system under aerodynamic heating. International Journal of Thermal Sciences, 2012, 53, 56-70.	2.6	51
31	NanoRound: A benchmark study on the numerical approach in nanofluids' simulation. International Communications in Heat and Mass Transfer, 2019, 108, 104292.	2.9	49
32	Natural convection slip flow in a vertical microchannel heated at uniform heat flux. International Journal of Thermal Sciences, 2010, 49, 1333-1344.	2.6	45
33	NUMERICAL STUDY OF NATURAL CONVECTION IN VERTICAL CHANNELS WITH ADIABATIC EXTENSIONS DOWNSTREAM. Numerical Heat Transfer; Part A: Applications, 2005, 47, 741-762.	1.2	42
34	On assessment of heat transfer deterioration of a channel with supercritical n-decane for scramjet engines cooling. International Journal of Heat and Mass Transfer, 2019, 135, 782-795.	2.5	41
35	Numerical Simulation of Water/Al₂O₃ Nanofluid Turbulent Convection. Advances in Mechanical Engineering, 2010, 2, 976254.	0.8	41
36	Nano-Phase Change Materials for Electronics Cooling Applications. Journal of Heat Transfer, 2017, 139, .	1.2	39

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37	Numerical investigation of transient thermal and fluidynamic fields in an executive aircraft cabin. Applied Thermal Engineering, 2009, 29, 3418-3425.	3.0	38
38	Heat and fluid flow resulting from the chimney effect in a symmetrically heated vertical channel with adiabatic extensions. International Journal of Thermal Sciences, 2002, 41, 1101-1111.	2.6	37
39	Entropy generation in natural convection in a symmetrically and uniformly heated vertical channel. International Journal of Heat and Mass Transfer, 2006, 49, 3221-3228.	2.5	37
40	An investigation of thermal characteristics of eutectic molten salt-based nanofluids. International Communications in Heat and Mass Transfer, 2017, 87, 98-104.	2.9	36
41	Transient Natural Convection in Vertical Channels Symmetrically Heated at Uniform Heat Flux. Numerical Heat Transfer; Part A: Applications, 2009, 55, 409-431.	1.2	34
42	Transient natural convection in a vertical microchannel heated at uniform heat flux. International Journal of Thermal Sciences, 2012, 56, 35-47.	2.6	34
43	Solar energy latent thermal storage by phase change materials (PCMs) in a honeycomb system. Thermal Science and Engineering Progress, 2018, 6, 410-420.	1.3	31
44	Thermal and fluid dynamic behavior of symmetrically heated vertical channels with auxiliary plate. International Journal of Heat and Fluid Flow, 2001, 22, 424-432.	1.1	30
45	Experimental Investigation of Opposing Mixed Convection in a Channel with an open Cavity Below. Experimental Heat Transfer, 2008, 21, 99-114.	2.3	30
46	Numerical investigation on laminar slot-jet impinging in a confined porous medium in local thermal non-equilibrium. International Journal of Heat and Mass Transfer, 2016, 98, 484-492.	2.5	29
47	Numerical Analysis on a Latent Thermal Energy Storage System with Phase Change Materials and Aluminum Foam. Heat Transfer Engineering, 2020, 41, 1075-1084.	1.2	29
48	Thermal Design of Uniformly Heated Inclined Channels in Natural Convection with and without Radiative Effects. Heat Transfer Engineering, 2001, 22, 13-28.	1.2	28
49	Numerical investigation of air forced convection in channels with differently shaped transverse ribs. International Journal of Numerical Methods for Heat and Fluid Flow, 2011, 21, 618-639.	1.6	28
50	Evaluation of thermal and fluid dynamic performance parameters in aluminum foam compact heat exchangers. Applied Thermal Engineering, 2020, 176, 115456.	3.0	27
51	Thermal management of a symmetrically heated channelâ€“chimney system. International Journal of Thermal Sciences, 2009, 48, 475-487.	2.6	25
52	Thermal energy storages analysis for high temperature in air solar systems. Applied Thermal Engineering, 2014, 71, 130-141.	3.0	25
53	Experimental analysis of asymmetrical isoflux channel-chimney systems. International Journal of Thermal Sciences, 2003, 42, 837-846.	2.6	24
54	An evaluation on the laminar effect of buoyancy-driven supercritical hydrocarbon fuel flow and heat transfer characteristics. International Journal of Heat and Mass Transfer, 2019, 142, 118414.	2.5	24

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55	Numerical Analysis of Radiative Effects on Natural Convection in Vertical Convergent and Symmetrically Heated Channels. Numerical Heat Transfer; Part A: Applications, 2006, 49, 369-391.	1.2	22
56	Radiative effects on natural convection in vertical convergent channels. International Journal of Heat and Mass Transfer, 2010, 53, 3513-3524.	2.5	22
57	Second Law Analysis of Al₂O₃-Water Nanofluid Turbulent Forced Convection in a Circular Cross Section Tube with Constant Wall Temperature. Advances in Mechanical Engineering, 2013, 5, 920278.	0.8	22
58	Natural convection in vertical channels with an auxiliary plate. International Journal of Numerical Methods for Heat and Fluid Flow, 2002, 12, 716-734.	1.6	21
59	Numerical Investigation of Transient Natural Convection in a Horizontal Channel Heated from the Upper Wall. Numerical Heat Transfer; Part A: Applications, 2007, 51, 815-842.	1.2	21
60	Experimental investigation on natural convection in horizontal channels with the upper wall at uniform heat flux. International Journal of Heat and Mass Transfer, 2007, 50, 1075-1086.	2.5	21
61	Numerical study on latent heat thermal energy storage system with PCM partially filled with aluminum foam in local thermal equilibrium. Renewable Energy, 2022, 195, 1368-1380.	4.3	21
62	Numerical Analysis of Water Forced Convection in Channels with Differently Shaped Transverse Ribs. Journal of Applied Mathematics, 2011, 2011, 1-25.	0.4	20
63	Experimental and Numerical Investigation on Forced Convection in Circular Tubes With Nanofluids. Heat Transfer Engineering, 2016, 37, 1201-1210.	1.2	20
64	Thermal and Fluid Dynamic Behaviors of Confined Slot Jets Impinging on an Isothermal Moving Surface with Nanofluids. Energies, 2019, 12, 2074.	1.6	20
65	Thermal and fluid dynamic behaviors in symmetrical heated channelâ€chimney systems. International Journal of Numerical Methods for Heat and Fluid Flow, 2010, 20, 811-833.	1.6	19
66	Numerical investigation of transient natural convection in a vertical channel-chimney system symmetrically heated at uniform heat flux. International Journal of Heat and Mass Transfer, 2012, 55, 6077-6089.	2.5	19
67	Thermal cooling behaviors of lithium-ion batteries by metal foam with phase change materials. Energy Procedia, 2018, 148, 1175-1182.	1.8	19
68	Heat transfer analysis of rectangular porous fins in local thermal non-equilibrium model. Applied Thermal Engineering, 2021, 195, 117237.	3.0	19
69	Combined thermal and optical analysis of laser back-scribing for amorphous-silicon photovoltaic cells processing. International Journal of Heat and Mass Transfer, 1999, 42, 645-656.	2.5	18
70	Composite Correlations for Air Natural Convection in Tilted Channels. Heat Transfer Engineering, 1999, 20, 64-72.	1.2	18
71	Thermal design of symmetrically and asymmetrically heated channelâ€“chimney systems in natural convection. Applied Thermal Engineering, 2003, 23, 605-621.	3.0	17
72	Numerical Investigation of Transient Natural Convection in Air in a Convergent Vertical Channel Symmetrically Heated at Uniform Heat Flux. Numerical Heat Transfer; Part A: Applications, 2007, 51, 1065-1086.	1.2	17

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73	Numerical Investigation on the Steady State Natural Convection in a Horizontal Open-Ended Cavity with a Heated Upper Wall. Numerical Heat Transfer; Part A: Applications, 2010, 57, 453-472.	1.2	17
74	Field-Synergy and Figure-of-Merit Analysis of Two Oxideâ€“Water-Based Nanofluids' Flow in Heated Tubes. Heat Transfer Engineering, 2017, 38, 909-918.	1.2	17
75	Experimental Analysis of Thermal Instability in Natural Convection Between Horizontal Parallel Plates Uniformly Heated. Journal of Heat Transfer, 2000, 122, 50-57.	1.2	16
76	Experimental Investigation of Natural Convection in an Asymmetrically Heated Vertical Channel with an Asymmetric Chimney. Journal of Heat Transfer, 2005, 127, 888-896.	1.2	16
77	Compounded natural convection enhancement in a vertical parallel-plate channel. International Journal of Thermal Sciences, 2008, 47, 742-748.	2.6	16
78	Heat transfer enhancement of laminar impinging slot jets by nanofluids and metal foams. Thermal Science and Engineering Progress, 2021, 22, 100860.	1.3	16
79	Phase Change Materials (PCMs) in a honeycomb system for solar energy applications. International Journal of Heat and Technology, 2017, 35, S472-S477.	0.3	15
80	A comparison between models of thermal fields in laser and electron beam surface processing. International Journal of Heat and Mass Transfer, 1988, 31, 99-106.	2.5	14
81	Thermal transient analysis of thin film multilayers heated by pulsed laser. International Journal of Heat and Mass Transfer, 1997, 40, 4487-4491.	2.5	14
82	Thermal and Thermomechanical Performances of Pyramidal Core Sandwich Panels Under Aerodynamic Heating. Journal of Thermal Science and Engineering Applications, 2017, 9, .	0.8	14
83	Numerical investigation of an inclined rectangular cavity for ventilated roofs applications. Thermal Science and Engineering Progress, 2018, 6, 426-435.	1.3	14
84	Thermal Analysis of Solids at High Peclet Numbers Subjected to Moving Heat Sources. Journal of Heat Transfer, 1999, 121, 182-186.	1.2	13
85	Radiation effects on natural convection in a vertical channel with an auxiliary plate. International Journal of Thermal Sciences, 2015, 97, 41-55.	2.6	13
86	Characterization and Simulation of the Heat Transfer Behaviour of Water-Based ZnO Nanofluids. Journal of Nanoscience and Nanotechnology, 2015, 15, 3599-3609.	0.9	13
87	Forced convection in porous microchannels with viscous dissipation in local thermal non-equilibrium conditions. International Communications in Heat and Mass Transfer, 2016, 76, 46-54.	2.9	13
88	Enhancement of Heat Transfer in Partially Heated Vertical Channel Under Mixed Convection by Using Al₂O₃ Nanoparticles. Heat Transfer Engineering, 2018, 39, 229-240.	1.2	13
89	Two-Dimensional Transient Analysis of Absorbing Thin Films in Laser Treatments. Journal of Heat Transfer, 2000, 122, 113-117.	1.2	12
90	Effect on Natural Convection of the Distance Between an Inclined Discretely Heated Plate and a Parallel Shroud Below. Journal of Heat Transfer, 2002, 124, 441-451.	1.2	12

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91	Transient Heat Conduction in Solids Irradiated by a Moving Heat Source. Defect and Diffusion Forum, 0, 283-286, 358-363.	0.4	12
92	Numerical Study of Laminar Confined Impinging Slot Jets with Nanofluids. Advances in Mechanical Engineering, 2012, 4, 248795.	0.8	12
93	A comparison of nanofluid thermal conductivity measurements by flash and hot disk techniques. Journal of Physics: Conference Series, 2014, 547, 012046.	0.3	12
94	Thermal and thermomechanical performance of actively cooled pyramidal sandwich panels. International Journal of Thermal Sciences, 2019, 139, 118-128.	2.6	12
95	Entropy generation analysis of laminar forced convection with nanofluids at pore length scale in porous structures with Kelvin cells. International Communications in Heat and Mass Transfer, 2022, 132, 105883.	2.9	12
96	Thermal design and optimization of vertical convergent channels in natural convection. Applied Thermal Engineering, 2006, 26, 170-177.	3.0	11
97	Experimental investigation on natural convection in a convergent channel with uniformly heated plates. International Journal of Heat and Mass Transfer, 2007, 50, 2772-2786.	2.5	11
98	Numerical investigation on a Heat Exchanger in Aluminum Foam. Energy Procedia, 2018, 148, 782-789.	1.8	11
99	Numerical Study of Latent Heat Thermal Energy Storage Enhancement by Nano-PCM in Aluminum Foam. Inventions, 2018, 3, 76.	1.3	11
100	Thermal Behaviors of Latent Thermal Energy Storage System with PCM and Aluminum Foam. International Journal of Heat and Technology, 2016, 34, S359-S364.	0.3	11
101	Numerical Investigation of the Natural Convection Flows for Low-Prandtl Fluids in Vertical Parallel-Plates Channels. Journal of Applied Mechanics, Transactions ASME, 2006, 73, 96-107.	1.1	10
102	Numerical investigation on sensible thermal energy storage with porous media for high temperature solar systems. Journal of Physics: Conference Series, 2012, 395, 012150.	0.3	10
103	Turbulent mixed convection in a uniformly heated vertical channel with an assisting moving surface. International Journal of Thermal Sciences, 2013, 71, 20-31.	2.6	10
104	An Analysis of the Electricity Sector in Romania. Energy Sources, Part B: Economics, Planning and Policy, 2014, 9, 149-155.	1.8	10
105	Nano-PCMs for passive electronic cooling applications. Journal of Physics: Conference Series, 2015, 655, 012030.	0.3	10
106	Experimental Evaluation of Fluid Dynamic and Thermal Behaviors in Compact Heat Exchanger with Aluminum Foam. Energy Procedia, 2016, 101, 1103-1110.	1.8	10
107	Numerical investigation on aluminum foam application in a tubular heat exchanger. Heat and Mass Transfer, 2018, 54, 2589-2597.	1.2	10
108	Numerical Investigation on Mixed Convection in Triangular Cross-Section Ducts with Nanofluids. Advances in Mechanical Engineering, 2012, 4, 139370.	0.8	10

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109	Heat Transfer in Nanofluids 2012. Advances in Mechanical Engineering, 2012, 4, 972973.	0.8	10
110	Simplified thermal models in laser and electron beam surface hardening. International Journal of Heat and Mass Transfer, 1990, 33, 2511-2518.	2.5	9
111	Numerical and Experimental Investigation of the Thermal Behavior of a Complete Exhaust System. , 2007, , .		9
112	Effect of a moving plate on heat transfer in a uniform heat flux vertical channel. International Journal of Heat and Mass Transfer, 2008, 51, 3906-3912.	2.5	9
113	Numerical analysis of radiation effects in a metallic foam by means of the radiative conductivity model. Applied Thermal Engineering, 2012, 49, 14-21.	3.0	9
114	Numerical investigation of convectiveâ€“radiative heat transfer in a building-integrated solar chimney. Advances in Building Energy Research, 2015, 9, 253-266.	1.1	9
115	Experimental Investigation on Fluid Dynamic and Thermal Behavior in Confined Impinging Round Jets in Aluminum Foam. Energy Procedia, 2016, 101, 1095-1102.	1.8	9
116	Two Dimensional Transient Analysis of Temperature Distribution in a Solid Irradiated by a Gaussian Laser Source. , 2004, , 217.		8
117	Experimental Investigation of Radiation Effects on Natural Convection in Horizontal Channels Heated From Above. Journal of Heat Transfer, 2009, 131, .	1.2	8
118	Confined Impinging Jets in Porous Media. Journal of Physics: Conference Series, 2016, 745, 032142.	0.3	8
119	Convective heat transfer in thermally developing flow in micro-channels filled with porous media under local thermal non-equilibrium conditions. Energy Procedia, 2018, 148, 1058-1065.	1.8	8
120	Numerical Analysis on Pressure Drop and Heat Transfer in Nanofluids at Pore Length Scale in Open Metal Porous Structures with Kelvin Cells. Heat Transfer Engineering, 2021, 42, 1614-1624.	1.2	8
121	Energy savings with heat transfer enhancement techniques and heat exchangers. Journal of Thermal Analysis and Calorimetry, 2020, 141, 1-4.	2.0	8
122	Transient air natural convection in asymmetrically heated vertical channels. International Communications in Heat and Mass Transfer, 2020, 116, 104697.	2.9	8
123	Analysis of the Parameters Required to Properly Define Nanofluids for Heat Transfer Applications. Fluids, 2021, 6, 65.	0.8	8
124	Thermal and hydrodynamic behavior of forced convection gaseous slip flow in a Kelvin cell metal foam. International Communications in Heat and Mass Transfer, 2022, 131, 105838.	2.9	8
125	Darcy mixed convection in a fluid saturated square porous enclosure under multiple suction effect. International Journal of Numerical Methods for Heat and Fluid Flow, 2011, 21, 602-617.	1.6	7
126	Numerical Study of Transient Natural Convection in Air in Vertical Divergent Channels. Numerical Heat Transfer; Part A: Applications, 2011, 60, 580-603.	1.2	7

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127	Thermal behavior evaluation of ventilated roof under variable solar radiation. International Journal of Heat and Technology, 2016, 34, S346-S350.	0.3	7
128	Solution to steady-state three-dimensional conduction for a rectangular surface heat source on a semi-infinite body. International Communications in Heat and Mass Transfer, 1994, 21, 799-808.	2.9	6
129	Instationary conjugate optical-thermal fields in thin films due to pulsed laser heating: A comparison between back and front treatment. Heat and Mass Transfer, 1998, 34, 255-261.	1.2	6
130	A Numerical Analysis on Nanofluid Mixed Convection in Triangular Cross-Sectioned Ducts Heated by a Uniform Heat Flux. Advances in Mechanical Engineering, 2015, 7, 292973.	0.8	6
131	Numerical investigation on thermal behaviors of two-dimensional latent thermal energy storage with PCM and aluminum foam. Journal of Physics: Conference Series, 2017, 796, 012031.	0.3	6
132	Numerical investigation on laminar slot-jet impinging on a surface at uniform heat flux in a channel partially filled with a porous medium. Energy Procedia, 2018, 148, 790-797.	1.8	6
133	Double diffusion in a rectangular duct using metals or oxides suspended in a viscous fluid. Thermal Science and Engineering Progress, 2021, 21, 100793.	1.3	6
134	Effect of third size on natural convection of variable viscosity fluid in a closed parallelepiped. International Communications in Heat and Mass Transfer, 2021, 128, 105618.	2.9	6
135	NUMERICAL STUDY OF AIR FORCED CONVECTION IN A CHANNEL PROVIDED WITH INCLINED RIBS. Frontiers in Heat and Mass Transfer, 2011, 2, .	0.1	6
136	Transient conductiveâ€“radiative numerical analysis of multilayer thin films heated by different laser pulses. International Journal of Thermal Sciences, 2001, 40, 959-968.	2.6	5
137	Theoretical comparison of two-dimensional transient analysis between back and front laser treatment of thin multilayer films. International Journal of Thermal Sciences, 2004, 43, 611-621.	2.6	5
138	Natural convection in vertical, parallelâ€plate channels with appended unheated entrances. International Journal of Numerical Methods for Heat and Fluid Flow, 2005, 15, 183-204.	1.6	5
139	Effect of Solid Thickness on Transient Heat Conduction in Workpieces Irradiated by a Moving Heat Source. Defect and Diffusion Forum, 2010, 297-301, 1445-1450.	0.4	5
140	Mixed convection in horizontal channels partially filled with aluminium foam heated from below and with external heat losses on upper plate. Journal of Physics: Conference Series, 2014, 501, 012005.	0.3	5
141	A pore scale analysis for determination of interfacial convective heat transfer coefficient for thin periodic porous media under mixed convection. International Journal of Numerical Methods for Heat and Fluid Flow, 2017, , 00-00.	1.6	5
142	Local Thermal Non-Equilibrium Investigation on Natural Convection in Horizontal Channel Heated from Above and Partially Filled with Aluminum Foam. Energy Procedia, 2017, 126, 42-49.	1.8	5
143	Special Issue on Recent Advances in Fundamentals and Applications of Biomass Energy. Journal of Energy Resources Technology, Transactions of the ASME, 2018, 140, .	1.4	5
144	Convection in a vertical duct under the chemical reaction influence using Robin boundary conditions. Thermal Science and Engineering Progress, 2020, 15, 100440.	1.3	5

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145	TRANSIENT ANALYSIS OF HEAT TRANSFER IN PARALLEL SQUARED CHANNELS FOR HIGH TEMPERATURE THERMAL STORAGE. Computational Thermal Sciences, 2015, 7, 477-489.	0.5	5
146	NUMERICAL SOLUTION TO THE NATURAL CONVECTION ON VERTICAL ISOFLUX PLATES BY FULL ELLIPTIC EQUATIONS. Numerical Heat Transfer; Part A: Applications, 2002, 41, 263-283.	1.2	4
147	Transient mixed convection in a channel with an open cavity filled with porous media. Journal of Physics: Conference Series, 2012, 395, 012149.	0.3	4
148	Local Thermal Non-Equilibrium in Mixed Convection in Channels Partially Heated at Uniform Heat Flux Filled With a Porous Medium. , 2014, , .		4
149	Forced convection of air through networks of square rods or cylinders embedded in microchannels. Microfluidics and Nanofluidics, 2014, 16, 287-304.	1.0	4
150	Numerical investigation on natural convection in horizontal channel partially filled with aluminium foam and heated from above. Journal of Physics: Conference Series, 2017, 923, 012049.	0.3	4
151	Numerical Investigation on the Thermal Control of Lithium Batteries for Electric Cars Using Metal Foams and Phase Change Materials. Journal of Physics: Conference Series, 2021, 1868, 012015.	0.3	4
152	Heat transfer of chemically reacting mixed convection fluid using convective surface condition: Non-Darcy model. Thermal Science and Engineering Progress, 2021, 25, 101044.	1.3	4
153	Cooling of periodically heat-generated element under the convective-radiative heat transfer in a rotating domain with a thermally conducting base plate. International Journal of Thermal Sciences, 2021, 170, 107150.	2.6	4
154	Thermal behavior evaluation of ventilated roof under summer and winter conditions. International Journal of Heat and Technology, 2017, 35, S353-S360.	0.3	4
155	Numerical investigation of sensible thermal energy storage in high temperature solar systems. WIT Transactions on Modelling and Simulation, 2009, , .	0.0	4
156	Thermal Design and Experimental Analysis of Laser and Electron Beam Hardening. Journal of Engineering for Industry, 1993, 115, 309-314.	0.8	3
157	Numerical Simulation of Transient Natural Convection in a Channel-Chimney System. , 2005, , 627.		3
158	Correlations for Natural Convection in Vertical Convergent Channels With Conductive Walls and Radiative Effects. Heat Transfer Engineering, 2011, 32, 439-454.	1.2	3
159	Heat Transfer in Nanofluids 2013. Advances in Mechanical Engineering, 2014, 6, 832415.	0.8	3
160	Effect of nanofluids on heat transfer enhancement in automotive cooling circuits. AIP Conference Proceedings, 2019, , .	0.3	3
161	Transient free convection of variable viscosity liquid in an inclined cube affected by the temperature modulation on a vertical wall. International Journal of Thermal Sciences, 2021, 164, 106880.	2.6	3
162	NUMERICAL AND EXPERIMENTAL INVESTIGATIONS ON A SOLAR CHIMNEY INTEGRATED IN A BUILDING FACADE. International Journal of Heat and Technology, 2015, 33, 246-254.	0.3	3

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163	Numerical investigation of transient single phase forced convection of nanofluids in circular tubes. WIT Transactions on Engineering Sciences, 2008, , .	0.0	3
164	Approximate Analytic Estimate of Axial Fluid Conduction in Laminar Forced Convection Tube Flows with Zero-to-Uniform Step Wall Heat Fluxes. Heat Transfer Engineering, 2003, 24, 49-58.	1.2	2
165	An Experimental Study of Radiative Effects on Natural Convection in Air in Convergent Channels. , 2003, , 189.		2
166	Thermal and Fluid Dynamic Behavior of a Horizontal Channel With Adiabatic Moving Lower Plate. , 2005, , 781.		2
167	Influence of Microtube Heating Geometry on Behavior of an Alumina Nanofluid at Low Reynolds Numbers. Applied Mechanics and Materials, 0, 371, 596-600.	0.2	2
168	Numerical Investigation on Thermal Behaviors of an Inclined Ventilated Roof. , 2014, , .		2
169	Nano-PCMs for Electronics Cooling Applications. , 2016, , .		2
170	A Numerical Analysis on a Compact Heat Exchanger in Aluminum Foam. Journal of Physics: Conference Series, 2016, 745, 032141.	0.3	2
171	Numerical investigation on forced convection in rectangular cross section micro-channels with nanofluids. Journal of Physics: Conference Series, 2017, 796, 012013.	0.3	2
172	Heat Transfer Behaviors of Parallel Plate Systems in Sensible Thermal Energy Storage. Energy Procedia, 2017, 126, 107-114.	1.8	2
173	Phase Change Materials (PCMs) in a Parallel Squared Honeycomb System for Electronic Cooling. , 2017, , .		2
174	A numerical analysis on a solar chimney with an integrated latent heat thermal energy storage. AIP Conference Proceedings, 2019, , .	0.3	2
175	Pore density effect on a heat exchanger in aluminum foam with flat-tubes. AIP Conference Proceedings, 2019, , .	0.3	2
176	A Numerical Analysis on a Solar Chimney with an Integrated Thermal Energy Storage with Phase Change Material in Metal Foam. E3S Web of Conferences, 2020, 197, 08001.	0.2	2
177	Visualization of Natural Convection in Inclined Heated Parallel Plates. , 1997, , 283-292.		2
178	Investigation on Thermal and Fluid Dynamic Behaviors in Mixed Convection in Horizontal Channels with Aluminum Foam and Heated from Below. E3S Web of Conferences, 2020, 197, 10006.	0.2	2
179	Flow Visualization and Air Temperature Measurements in Symmetrically Heated Vertical Channels With Adiabatic Extensions. , 2002, , .		2
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