

Nader Karimi

List of Publications by Year in descending order

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130
papers

4,934
citations

66343

42
h-index

114465

63
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131
all docs

131
docs citations

131
times ranked

1990
citing authors

#	ARTICLE	IF	CITATIONS
1	Price inflation effects on a solar-geothermal system for combined production of hydrogen, power, freshwater and heat. <i>International Journal of Hydrogen Energy</i> , 2024, 52, 861-872.	7.1	18
2	Progress and challenges on the thermal management of electrochemical energy conversion and storage technologies: Fuel cells, electrolyzers, and supercapacitors. <i>Progress in Energy and Combustion Science</i> , 2022, 88, 100966.	31.2	108
3	Predicting the effects of environmental parameters on the spatio-temporal distribution of the droplets carrying coronavirus in public transport – A machine learning approach. <i>Chemical Engineering Journal</i> , 2022, 430, 132761.	12.7	40
4	Machine-Learning Enhanced Analysis of Mixed Biothermal Convection of Single Particle and Hybrid Nanofluids within a Complex Configuration. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 8478-8494.	3.7	12
5	Numerical simulation of the effects of superhydrophobic coating in an oval cross-sectional solar collector with a wavy absorber filled with water-based Al ₂ O ₃ -ZnO-Fe ₃ O ₄ ternary hybrid nanofluid. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 50, 101881.	2.7	11
6	A comparative analysis of the evolution of compositional and entropy waves in turbulent channel flows. <i>Physics of Fluids</i> , 2022, 34, .	4.0	4
7	Enhancement of heat transfer in solar collectors by vortex generation. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 1731-1750.	2.3	4
8	Selecting efficient side of thermoelectric in pyramid-shape solar desalination units incorporated phase change material (PCM), nanoparticle, turbulator with battery storage powered by photovoltaic. <i>Journal of Energy Storage</i> , 2022, 51, 104448.	8.1	31
9	Dynamic multi-objective optimization applied to a solar-geothermal multi-generation system for hydrogen production, desalination, and energy storage. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 31730-31741.	7.1	40
10	Using machine learning in photovoltaics to create smarter and cleaner energy generation systems: A comprehensive review. <i>Journal of Cleaner Production</i> , 2022, 364, 132701.	9.3	41
11	On the effects of NH ₃ addition to a reacting mixture of H ₂ /CH ₄ under MILD combustion regime: Numerical modeling with a modified EDC combustion model. <i>Fuel</i> , 2022, 326, 125096.	6.4	22
12	Analysis of unsteady mixed convection of Cu-water nanofluid in an oscillatory, lid-driven enclosure using lattice Boltzmann method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 2045-2061.	3.6	55
13	Modeling Validation of Tubing Compaction for Rigless Well Plug and Abandonment. <i>SPE Drilling and Completion</i> , 2021, 36, 101-117.	1.6	0
14	Lift characteristics of two tandem airfoils in the globally unstable wake of a heated cylinder. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 2081-2093.	3.6	2
15	Numerical simulations of ultra-low-Re flow around two tandem airfoils in ground effect: isothermal and heated conditions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 2063-2079.	3.6	1
16	Unsteady ultra-lean combustion of methane and biogas in a porous burner – An experimental study. <i>Applied Thermal Engineering</i> , 2021, 182, 116099.	6.0	32
17	Large eddy simulation of pseudo shock structure in a convergent-long divergent duct. <i>Computers and Mathematics With Applications</i> , 2021, 81, 823-837.	2.7	26
18	Combined heat and mass transfer and thermodynamic irreversibilities in the stagnation-point flow of Casson rheological fluid over a cylinder with catalytic reactions and inside a porous medium under local thermal nonequilibrium. <i>Computers and Mathematics With Applications</i> , 2021, 81, 786-810.	2.7	26

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19	A Machine Learning Approach to Predicting the Heat Convection and Thermodynamics of an External Flow of Hybrid Nanofluid. Journal of Energy Resources Technology, Transactions of the ASME, 2021, 143, .	2.3	61
20	Numerical Investigation of Thermal Dynamic Response in Porous Mediaâ€”A Pore-Scale Study. , 2021, , 385-389.		0
21	Applications of nanofluids in thermal energy transport. , 2021, , 345-368.		3
22	Understanding droplet collision with superhydrophobic-hydrophobicâ€”hydrophilic hybrid surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 614, 126140.	4.7	26
23	On the Response of Ultralean Combustion of CH ₄ /H ₂ Blends in a Porous Burner to Fluctuations in Fuel Flowâ€”an Experimental Investigation. Energy & Fuels, 2021, 35, 8909-8921.	5.1	13
24	A dynamic multi-objective optimization procedure for water cooling of a photovoltaic module. Sustainable Energy Technologies and Assessments, 2021, 45, 101111.	2.7	20
25	A machine learning approach to the prediction of transport and thermodynamic processes in multiphysics systems - heat transfer in a hybrid nanofluid flow in porous media. Journal of the Taiwan Institute of Chemical Engineers, 2021, 124, 290-306.	5.3	126
26	Prediction of the spread of Corona-virus carrying droplets in a bus - A computational based artificial intelligence approach. Journal of Hazardous Materials, 2021, 413, 125358.	12.4	57
27	Intensification of MILD combustion of methane and hydrogen blend by the application of a magnetic field- a numerical study. Acta Astronautica, 2021, 184, 259-268.	3.2	16
28	A numerical investigation of CO ₂ gasification of biomass particles- analysis of energy, exergy and entropy generation. Energy, 2021, 228, 120615.	8.8	17
29	Optimizing thermal performance and exergy efficiency in hydrogen-fueled meso-combustors by applying a bluff-body. Journal of Cleaner Production, 2021, 311, 127573.	9.3	27
30	Thermo-economic and entropy generation analyses of magnetic natural convective flow in a nanofluid-filled annular enclosure fitted with fins. Sustainable Energy Technologies and Assessments, 2021, 46, 101274.	2.7	112
31	Analysis of the unsteady thermal response of a Li-ion battery pack to dynamic loads. Energy, 2021, 231, 120947.	8.8	95
32	Dissection of entropy production for the free convection of NEPCMs-filled porous wavy enclosure subject to volumetric heat source/sink. Journal of the Taiwan Institute of Chemical Engineers, 2021, 128, 98-113.	5.3	76
33	Nanofluids: Physical phenomena, applications in thermal systems and the environment effects- a critical review. Journal of Cleaner Production, 2021, 320, 128573.	9.3	183
34	Intensification of ultra-lean catalytic combustion of methane in microreactors by boundary layer interruptions â€” A computational study. Chemical Engineering Science, 2021, 242, 116730.	3.8	31
35	Phase change dynamics in a cylinder containing hybrid nanofluid and phase change material subjected to a rotating inner disk. Journal of Energy Storage, 2021, 42, 103007.	8.1	28
36	Geometrical inlet effects on the behavior of a non-premixed fully turbulent syngas combustion; a numerical study. Acta Astronautica, 2021, 189, 1-9.	3.2	10

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37	Towards identification of a reliable framework to predict the thermal field in turbulent wall-bounded shear flows. <i>International Journal of Heat and Mass Transfer</i> , 2021, 180, 121752.	4.8	1
38	Numerical Investigation of the Plasma-Assisted MILD Combustion of a CH ₄ /H ₂ Fuel Blend Under Various Working Conditions. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021, 143, .	2.3	17
39	Effects of radiation and magnetic field on mixed convection stagnation-point flow over a cylinder in a porous medium under local thermal non-equilibrium. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 1371-1391.	3.6	40
40	Double-diffusive transport and thermodynamic analysis of a magnetic microreactor with non-Newtonian biofuel flow. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 917-941.	3.6	18
41	Techno-economic assessment and optimization of a hybrid renewable earth - air heat exchanger coupled with electric boiler, hydrogen, wind and PV configurations. <i>Renewable Energy</i> , 2020, 148, 839-851.	8.9	126
42	State prediction of an entropy wave advecting through a turbulent channel flow. <i>Journal of Fluid Mechanics</i> , 2020, 882, .	3.4	36
43	A simplified mathematical study of thermochemical preparation of particle oxide under counterflow configuration for use in biomedical applications. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 2769-2779.	3.6	7
44	Numerical study of nonlinear mixed convection inside stagnation-point flow over surface-reactive cylinder embedded in porous media. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 1889-1903.	3.6	19
45	Utilization of H ₂ O and CO ₂ in Coal Particle Gasification with an Impact of Temperature and Particle Size. <i>Energy & Fuels</i> , 2020, 34, 12841-12852.	5.1	5
46	Dynamics of entropy wave generation in a simplified model of gas turbine combustor: A theoretical investigation. <i>Physics of Fluids</i> , 2020, 32, .	4.0	14
47	Generation of entropy in micro thermofluidic and thermochemical energy systems-A critical review. <i>International Journal of Heat and Mass Transfer</i> , 2020, 163, 120471.	4.8	85
48	Numerical simulation of the heterogeneous combustion of dust clouds containing polydisperse porous iron particles. <i>Energy</i> , 2020, 212, 118759.	8.8	3
49	Experimental investigation of the hydrodynamic effects upon convecting entropy waves in nozzle flows. <i>Aerospace Science and Technology</i> , 2020, 107, 106301.	4.8	2
50	Investigation of thermochemical process of coal particle packed bed reactions for the development of UCG. <i>International Journal of Coal Science and Technology</i> , 2020, 7, 476-492.	6.0	3
51	Analysis of transport processes in a reacting flow of hybrid nanofluid around a bluff-body embedded in porous media using artificial neural network and particle swarm optimization. <i>Journal of Molecular Liquids</i> , 2020, 313, 113492.	4.9	67
52	Large eddy simulation of the destruction of convecting hot fluid pockets through a cold channel flow. <i>International Journal of Thermal Sciences</i> , 2020, 156, 106475.	4.9	1
53	Passive techniques to enhance heat transfer in various thermal systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 875-878.	3.6	9
54	Thermohydraulic analysis of a microchannel with varying superhydrophobic roughness. <i>Applied Thermal Engineering</i> , 2020, 172, 115147.	6.0	20

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55	On the unsteady forced convection in porous media subject to inlet flow disturbances-A pore-scale analysis. <i>International Communications in Heat and Mass Transfer</i> , 2020, 116, 104639.	5.6	73
56	Numerical simulation of hydrothermal features of Cu-H ₂ O nanofluid natural convection within a porous annulus considering diverse configurations of heater. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 2109-2125.	3.6	121
57	Experimental investigation of entropy waves™ evolution for understanding of indirect combustion noise in gas turbine combustors. <i>Energy</i> , 2020, 195, 116978.	8.8	15
58	Heat and mass transfer and thermodynamic analysis of power-law fluid flow in a porous microchannel. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 141, 2145-2164.	3.6	11
59	A pore-scale assessment of the dynamic response of forced convection in porous media to inlet flow modulations. <i>International Journal of Heat and Mass Transfer</i> , 2020, 153, 119657.	4.8	100
60	Transient thermo-solutal convection in a tilted porous enclosure heated from below and salted from above. <i>International Communications in Heat and Mass Transfer</i> , 2020, 118, 104875.	5.6	4
61	Numerical Investigation of the Effects of Swirling Hot Co-Flow on MILD Combustion of a Hydrogen-Methane Blend. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020, 142, .	2.3	19
62	Numerical Modeling of Subcooled Flow Boiling and Heat Transfer Enhancement: Validation and Applicability to Fusion Reactor Target Design. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020, 142, .	2.3	6
63	Application of Machine Learning to Investigation of Heat and Mass Transfer Over a Cylinder Surrounded by Porous Media™The Radial Basic Function Network. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020, 142, .	2.3	42
64	A Pore-Scale Investigation of the Transient Response of Forced Convection in Porous Media to Inlet Ramp Inputs. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020, 142, .	2.3	8
65	A concise review on the role of nanoparticles upon the productivity of solar desalination systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 1145-1159.	3.6	125
66	On the influences of surface heat release and thermal radiation upon transport in catalytic porous microreactors™A novel porous-solid interface model. <i>Chemical Engineering and Processing: Process Intensification</i> , 2019, 143, 107602.	3.6	91
67	Analysis of transport from cylindrical surfaces subject to catalytic reactions and non-uniform impinging flows in porous media. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 659-678.	3.6	44
68	A comprehensive investigation of acoustic power level in a moderate or intense low oxygen dilution in a jet-in-hot-coflow under various working conditions. <i>Aerospace Science and Technology</i> , 2019, 93, 105339.	4.8	28
69	Combustion Characteristics and Pollutant Emissions in Transient Oxy-Combustion of a Single Biomass Particle: A Numerical Study. <i>Energy & Fuels</i> , 2019, 33, 1556-1569.	5.1	17
70	Non-Equilibrium Thermodynamics of Micro Technologies. <i>Entropy</i> , 2019, 21, 501.	2.2	1
71	Generation of entropy during forced convection of heat in nanofluid stagnation-point flows over a cylinder embedded in porous media. <i>Numerical Heat Transfer; Part A: Applications</i> , 2019, 75, 647-673.	2.1	34
72	On the response of a lean-premixed hydrogen combustor to acoustic and dissipative-dispersive entropy waves. <i>Energy</i> , 2019, 180, 272-291.	8.8	19

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73	The effects of exothermic catalytic reactions upon combined transport of heat and mass in porous microreactors. <i>International Journal of Heat and Mass Transfer</i> , 2019, 134, 1227-1249.	4.8	55
74	Combined heat and mass transfer analyses in catalytic microreactors partially filled with porous material - The influences of nanofluid and different porous-fluid interface models. <i>International Journal of Thermal Sciences</i> , 2019, 140, 96-113.	4.9	48
75	Simulation of conjugate radiation-forced convection heat transfer in a porous medium using the lattice Boltzmann method. <i>Meccanica</i> , 2019, 54, 505-524.	2.0	16
76	Entropy Generation Assessment for Wall-Bounded Turbulent Shear Flows Based on Reynolds Analogy Assumptions. <i>Entropy</i> , 2019, 21, 1157.	2.2	6
77	Targeting a channel coating by using magnetic field and magnetic nanofluids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 137, 381-388.	3.6	12
78	Investigation of coal particle gasification processes with application leading to underground coal gasification. <i>Fuel</i> , 2019, 237, 1186-1202.	6.4	32
79	Energetic and entropic analyses of double-diffusive, forced convection heat and mass transfer in microreactors assisted with nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 137, 637-658.	3.6	55
80	Effects of nanofluid and radiative heat transfer on the double-diffusive forced convection in microreactors. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 45-59.	3.6	91
81	First and second laws of thermodynamics analysis of nanofluid flow inside a heat exchanger duct with wavy walls and a porous insert. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 177-194.	3.6	87
82	Mixed convection and thermodynamic irreversibilities in MHD nanofluid stagnation-point flows over a cylinder embedded in porous media. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 489-506.	3.6	52
83	Porous materials in building energy technologies- A review of the applications, modelling and experiments. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 91, 229-247.	16.4	131
84	Gas-phase transport and entropy generation during transient combustion of single biomass particle in varying oxygen and nitrogen atmospheres. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 8506-8523.	7.1	10
85	Numerical modeling of multiple steady-state convective modes in a tilted porous medium heated from below. <i>International Communications in Heat and Mass Transfer</i> , 2018, 92, 64-72.	5.6	18
86	Two-dimensional analytical investigation of coupled heat and mass transfer and entropy generation in a porous, catalytic microreactor. <i>International Journal of Heat and Mass Transfer</i> , 2018, 119, 372-391.	4.8	51
87	Two-dimensional heat and mass transfer and thermodynamic analyses of porous microreactors with Soret and thermal radiation effects- An analytical approach. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 126, 190-205.	3.6	53
88	Assessment of predictive capability of hybrid URANS/LES methods in residence time calculation. <i>Chemical Engineering Science</i> , 2018, 183, 47-59.	3.8	1
89	Combined effects of nanofluid and transverse twisted-baffles on the flow structures, heat transfer and irreversibilities inside a square duct - A numerical study. <i>Applied Thermal Engineering</i> , 2018, 130, 135-148.	6.0	87
90	Effects of Near Wall Modeling in the Improved-Delayed-Detached-Eddy-Simulation (IDDES) Methodology. <i>Entropy</i> , 2018, 20, 771.	2.2	21

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91	Magnetohydrodynamics, Natural Convection, and Entropy Generation of CuO-Water Nanofluid in an I-Shape Enclosure—A Numerical Study. <i>Journal of Thermal Science and Engineering Applications</i> , 2018, 10, .	1.5	25
92	Convection of heat and thermodynamic irreversibilities in two-phase, turbulent nanofluid flows in solar heaters by corrugated absorber plates. <i>Advanced Powder Technology</i> , 2018, 29, 2243-2254.	4.1	115
93	Transient Analysis of the Interactions Between a Heat Transferring, Radial Stagnation Flow, and a Rotating Cylinder-Magnetohydrodynamic and Nonuniform Transpiration Effects. <i>Journal of Thermal Science and Engineering Applications</i> , 2018, 10, .	1.5	8
94	Numerical modelling of unsteady transport and entropy generation in oxy-combustion of single coal particles with varying flow velocities and oxygen concentrations. <i>Applied Thermal Engineering</i> , 2018, 144, 147-164.	6.0	13
95	Thermodynamics Analyses of Porous Microchannels With Asymmetric Thick Walls and Exothermicity: An Entropic Model of Microreactors. <i>Journal of Thermal Science and Engineering Applications</i> , 2017, 9, .	1.5	38
96	Challenges and progress on the modelling of entropy generation in porous media: A review. <i>International Journal of Heat and Mass Transfer</i> , 2017, 114, 31-46.	4.8	84
97	Analytical investigation of heat transfer and classical entropy generation in microreactors — The influences of exothermicity and asymmetry. <i>Applied Thermal Engineering</i> , 2017, 119, 403-424.	6.0	54
98	On the dissipation and dispersion of entropy waves in heat transferring channel flows. <i>Physics of Fluids</i> , 2017, 29, .	4.0	29
99	On the Hydrodynamics and Heat Convection of an Impinging External Flow Upon a Cylinder with Transpiration and Embedded in a Porous Medium. <i>Transport in Porous Media</i> , 2017, 120, 579-604.	2.6	19
100	Three-dimensional numerical simulations of free convection in a layered porous enclosure. <i>International Journal of Heat and Mass Transfer</i> , 2017, 106, 1005-1013.	4.8	28
101	On the effects of convecting entropy waves on the combustor hydrodynamics. <i>Applied Thermal Engineering</i> , 2017, 110, 901-909.	6.0	10
102	Numerical Study of the Effects of CO ₂ Addition in Single Coal Particle Gasification. <i>Energy Procedia</i> , 2017, 142, 1306-1311.	1.8	4
103	Non-Equilibrium Thermodynamic Analysis of Double Diffusive, Nanofluid Forced Convection in Catalytic Microreactors with Radiation Effects. <i>Entropy</i> , 2017, 19, 690.	2.2	10
104	Mathematical Methods for Heat Transfer and Thermodynamic Analysis of Conductive, Convective, and Radiative Media. <i>Mathematical Problems in Engineering</i> , 2016, 2016, 1-1.	1.1	0
105	Characterizing the signature of flame flashback precursor through recurrence analysis. <i>Chaos</i> , 2016, 26, 013110.	2.5	24
106	Three-dimensional numerical modeling of free convection in sloping porous enclosures. <i>International Journal of Heat and Mass Transfer</i> , 2016, 98, 257-267.	4.8	17
107	Recurrence Plots for the Analysis of Combustion Dynamics. <i>Springer Proceedings in Physics</i> , 2016, , 321-339.	0.2	0
108	A thermodynamic analysis of forced convection through porous media using pore scale modeling. <i>International Journal of Heat and Mass Transfer</i> , 2016, 99, 303-316.	4.8	46

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109	Generation of Adverse Pressure Gradient in the Circumferential Flashback of a Premixed Flame. Flow, Turbulence and Combustion, 2016, 97, 663-687.	2.6	14
110	First and second law analyses of nanofluid forced convection in a partially-filled porous channel " The effects of local thermal non-equilibrium and internal heat sources. Applied Thermal Engineering, 2016, 103, 459-480.	6.0	74
111	Investigation of the transmitted noise of a combustor exit nozzle caused by burned hydrogen-hydrocarbon gases. International Journal of Hydrogen Energy, 2016, 41, 2075-2086.	7.1	10
112	Theoretical investigation of entropy generation and heat transfer by forced convection of copper-water nanofluid in a porous channel " Local thermal non-equilibrium and partial filling effects. Powder Technology, 2016, 301, 234-254.	4.2	53
113	Generation of entropy and forced convection of heat in a conduit partially filled with porous media " Local thermal non-equilibrium and exothermicity effects. Applied Thermal Engineering, 2016, 106, 518-536.	6.0	50
114	Analytical investigation of non-adiabatic effects on the dynamics of sound reflection and transmission in a combustor. Applied Thermal Engineering, 2016, 98, 553-567.	6.0	5
115	On the effects of internal heat sources upon forced convection in porous channels with asymmetric thick walls. International Communications in Heat and Mass Transfer, 2016, 73, 100-110.	5.6	52
116	Entropy generation in thermal systems with solid structures " A concise review. International Journal of Heat and Mass Transfer, 2016, 97, 917-931.	4.8	62
117	On the effects of exothermicity and endothermicity upon the temperature fields in a partially-filled porous channel. International Journal of Thermal Sciences, 2015, 96, 128-148.	4.9	50
118	Experimental and Theoretical Investigation of the Flashback of a Swirling, Bluff-Body Stabilised, Premixed Flame. Zeitschrift Fur Physikalische Chemie, 2015, 229, 663-689.	2.8	14
119	Chaos in an imperfectly premixed model combustor. Chaos, 2015, 25, 023101.	2.5	59
120	Heat transfer and second law analyses of forced convection in a channel partially filled by porous media and featuring internal heat sources. Energy, 2015, 93, 106-127.	8.8	58
121	Proper Orthogonal Decomposition Analysis of a Turbulent Swirling Self-Excited Premixed Flame. , 2015, , .		5
122	Hydrodynamic Instabilities in Gaseous Detonations: Comparison of Euler, Navier-Stokes, and Large-Eddy Simulation. Journal of Propulsion and Power, 2014, 30, 384-396.	2.2	40
123	Temperature fields in a channel partially filled with a porous material under local thermal non-equilibrium condition " An exact solution. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2014, 228, 2778-2789.	2.1	41
124	Response of a conical, laminar premixed flame to low amplitude acoustic forcing " A comparison between experiment and kinematic theories. Energy, 2014, 78, 490-500.	8.8	35
125	Numerical investigation of heat transfer enhancement in a pipe partially filled with a porous material under local thermal non-equilibrium condition. International Journal of Heat and Mass Transfer, 2014, 68, 161-173.	4.8	121
126	Analytical investigation of heat transfer enhancement in a channel partially filled with a porous material under local thermal non-equilibrium condition: Effects of different thermal boundary conditions at the porous-fluid interface. International Journal of Heat and Mass Transfer, 2014, 70, 875-891.	4.8	77

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127	On the interaction of sound with steady heat communicating flows. Journal of Sound and Vibration, 2010, 329, 4705-4718.	3.9	19
128	Linear and non-linear forced response of a conical, ducted, laminar premixed flame. Combustion and Flame, 2009, 156, 2201-2212.	5.2	83
129	Acoustic and disturbance energy analysis of a flow with heat communication. Journal of Fluid Mechanics, 2008, 597, 67-89.	3.4	53
130	The effect of sinusoidal fins amplitude on the thermo-hydraulic performance of a solar air heater. Chemical Engineering Communications, 0, , 1-15.	2.6	3