

Mohammad Javad Maghrebi

List of Publications by Year in descending order

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36
papers

1,039
citations

516710

16
h-index

414414

32
g-index

37
all docs

37
docs citations

37
times ranked

960
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of using both ZnO/ water nanofluid and phase change material (PCM) in photovoltaic thermal systems. <i>Solar Energy Materials and Solar Cells</i> , 2017, 161, 62-69.	6.2	229
2	Starting torque improvement using J-shaped straight-bladed Darrieus vertical axis wind turbine by means of numerical simulation. <i>Renewable Energy</i> , 2016, 95, 109-126.	8.9	103
3	Numerical investigation of dimple effects on darrieus vertical axis wind turbine. <i>Energy</i> , 2017, 133, 231-241.	8.8	73
4	Three dimensional simulation of J-shaped Darrieus vertical axis wind turbine. <i>Energy</i> , 2016, 116, 1243-1255.	8.8	66
5	Forced Convection Heat Transfer of Nanofluids in a Porous Channel. <i>Transport in Porous Media</i> , 2012, 93, 401-413.	2.6	65
6	NUMERICAL STUDY OF DEVELOPED LAMINAR MIXED CONVECTION OF $Al_2O_3/WATER$ NANOFLUID IN AN ANNULUS. <i>Chemical Engineering Communications</i> , 2013, 200, 878-894.	2.6	46
7	Stability and magnetization of Fe_3O_4 /water nanofluid preparation characteristics using Taguchi method. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 1323-1334.	3.6	41
8	Experimental characterization of magnetic field effects on heat transfer coefficient and pressure drop for a ferrofluid flow in a circular tube. <i>Journal of Molecular Liquids</i> , 2020, 299, 112206.	4.9	40
9	Variable pitch blades: An approach for improving performance of Darrieus wind turbine. <i>Journal of Renewable and Sustainable Energy</i> , 2016, 8, .	2.0	38
10	Lattice Boltzmann Finite Volume Formulation with Improved Stability. <i>Communications in Computational Physics</i> , 2012, 12, 42-64.	1.7	31
11	Performance analysis of sloped solar chimney power plants in the southwestern region of Iran. <i>International Journal of Ambient Energy</i> , 2017, 38, 542-549.	2.5	29
12	Nondimensional Parametersâ€™ Effects on Hybrid Darrieusâ€™Savonius Wind Turbine Performance. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020, 142, .	2.3	26
13	NUMERICAL ANALYSIS OF A NANOFLUID FORCED CONVECTION IN A POROUS CHANNEL: A NEW HEAT FLUX MODEL IN LTNE CONDITION. <i>Journal of Porous Media</i> , 2014, 17, 637-646.	1.9	26
14	Exergy of natural gas flow in Iran's natural gas fields. <i>International Journal of Exergy</i> , 2009, 6, 131.	0.4	22
15	Combined effects of corrugated walls and porous inserts on performance improvement in a heat exchanger channel. <i>International Journal of Thermal Sciences</i> , 2018, 127, 266-276.	4.9	22
16	Numerical investigation of viscoelastic shedding flow behind a circular cylinder. <i>Journal of Non-Newtonian Fluid Mechanics</i> , 2013, 197, 31-40.	2.4	17
17	Performance evaluation of floating solar chimney power plant in Iran: estimation of technology progression and cost investigation. <i>IET Renewable Power Generation</i> , 2017, 11, 1659-1666.	3.1	17
18	Improvement of wind turbine aerodynamic performance by vanquishing stall with active multi air jet blowing. <i>Energy</i> , 2021, 224, 120176.	8.8	17

#	ARTICLE	IF	CITATIONS
19	MODELING OF BIFURCATION PHENOMENA IN SUDDENLY EXPANDED FLOWS WITH A NEW FINITE VOLUME LATTICE BOLTZMANN METHOD. <i>International Journal of Modern Physics C</i> , 2011, 22, 977-1003.	1.7	14
20	Numerical study of airfoil thickness effects on the performance of J-shaped straight blade vertical axis wind turbine. <i>Wind and Structures, an International Journal</i> , 2016, 22, 595-616.	0.8	14
21	Numerical Study of Porous Media Effect on the Blade Surface of Vertical Axis Wind Turbine for Enhancement of Aerodynamic Performance. <i>Energy Conversion and Management</i> , 2021, 245, 114598.	9.2	12
22	Effects of Particle Migration on Nanofluid Forced Convection Heat Transfer in a Local Thermal Non-Equilibrium Porous Channel. <i>Journal of Nanofluids</i> , 2014, 3, 51-59.	2.7	12
23	Optimal operation of alloy material in solidification processes with inverse heat transfer. <i>International Communications in Heat and Mass Transfer</i> , 2010, 37, 711-716.	5.6	10
24	New models for heat flux splitting at the boundary of a porous medium: three energy equations for nanofluid flow under local thermal nonequilibrium conditions. <i>Canadian Journal of Physics</i> , 2014, 92, 1312-1319.	1.1	10
25	Dynamic Stall Analysis of S809 Pitching Airfoil in Unsteady Free Stream Velocity. <i>Journal of Mechanics</i> , 2016, 32, 227-235.	1.4	10
26	Forced Convection Heat Transfer of Nanofluids in a Channel Filled with Porous Media Under Local Thermal Non-Equilibrium Condition with Three New Models for Absorbed Heat Flux. <i>Journal of Nanofluids</i> , 2017, 6, 362-367.	2.7	10
27	Transitional boundary layer study over an airfoil in combined pitch-plunge motions. <i>Aerospace Science and Technology</i> , 2020, 98, 105694.	4.8	9
28	Analysis of natural convection heat transfer from a cylinder enclosed in a corner of two adiabatic walls. <i>Experimental Thermal and Fluid Science</i> , 2015, 62, 9-20.	2.7	8
29	Effects of nanoparticle volume fraction in hydrodynamic and thermal characteristics of forced plane jet. <i>Thermal Science</i> , 2012, 16, 455-468.	1.1	7
30	Experimental Study of Crack Growth Behavior and Fatigue Life of Spot Weld Tensile-Shear Specimens. <i>Journal of Applied Sciences</i> , 2009, 9, 438-448.	0.3	5
31	Control parameter estimation in a semi-linear parabolic inverse problem using a high accurate method. <i>Applied Mathematics and Computation</i> , 2011, 218, 1798-1804.	2.2	2
32	Evaluation of Darrieus wind turbine for different highway settings using CFD simulation. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101077.	2.7	2
33	Characterisation of a plate heat exchanger chevron type with carbon-based nanofluids under pulsed condition. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2022, 236, 3831-3846.	2.1	2
34	Experimental investigation on frequency pulsation effects on a single pass plate heat exchanger performance. <i>Heat Transfer</i> , 0, , .	3.0	2
35	A High Order Time Advancement Scheme for Prediction of Solidification Processes. <i>Defect and Diffusion Forum</i> , 0, 297-301, 779-784.	0.4	1
36	Numerical investigation of flow and thermal pattern in unbounded flow using nanofluid - Case study: Laminar 2-D plane jet. <i>Thermal Science</i> , 2016, 20, 1575-1584.	1.1	1