

# Maziar Arjomandi

## List of Publications by Year in descending order

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167  
papers

4,447  
citations

101384

36  
h-index

143772

57  
g-index

167  
all docs

167  
docs citations

167  
times ranked

3272  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on the Effect of Temporal Geometric Variations of the Coronary Arteries on the Wall Shear Stress and Pressure Drop. <i>Journal of Biomechanical Engineering</i> , 2022, 144, .	0.6	6
2	Sensitivity analysis of orifice length of micro-cavity array for the purpose of turbulence attenuation. <i>Experiments in Fluids</i> , 2022, 63, 1.	1.1	3
3	The effect of inlet flow profile and nozzle diameter on drug delivery to the maxillary sinus. <i>Biomechanics and Modeling in Mechanobiology</i> , 2022, 21, 849-870.	1.4	8
4	Acoustic behaviour of the human maxillary sinus: The importance of the middle meatus and the ostium on resonance frequency behaviour. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	1
5	Stowing strategy for a heliostat field based on wind speed and direction. <i>AIP Conference Proceedings</i> , 2022, , .	0.3	1
6	Finite-length porous surfaces for control of a turbulent boundary layer. <i>Physics of Fluids</i> , 2022, 34, .	1.6	4
7	Design considerations for a three-tethered point absorber wave energy converter with nonlinear coupling between hydrodynamic modes. <i>Ocean Engineering</i> , 2022, 254, 111351.	1.9	6
8	Review of scaling laws applied to floating offshore wind turbines. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 162, 112477.	8.2	19
9	A feasibility study on the application of mesh grids for heliostat wind load reduction. <i>Solar Energy</i> , 2022, 240, 121-130.	2.9	3
10	Thermodynamic potential of a high-concentration hybrid photovoltaic/thermal plant for co-production of steam and electricity. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 143, 1389-1398.	2.0	26
11	Effect of artery curvature on the coronary fractional flow reserve. <i>Physics of Fluids</i> , 2021, 33, .	1.6	6
12	A novel technique towards investigating wall shear stress within the stent struts using particle image velocimetry. <i>Experiments in Fluids</i> , 2021, 62, 1.	1.1	2
13	Mechanism of control of the near-wall turbulence using a micro-cavity array. <i>Physics of Fluids</i> , 2021, 33, .	1.6	11
14	Effect of shape of the stenosis on the hemodynamics of a stenosed coronary artery. <i>Physics of Fluids</i> , 2021, 33, .	1.6	24
15	A review of static and dynamic heliostat wind loads. <i>Solar Energy</i> , 2021, 225, 60-82.	2.9	13
16	Acoustic drug delivery to the maxillary sinus. <i>International Journal of Pharmaceutics</i> , 2021, 606, 120927.	2.6	16
17	Wire mesh fences for manipulation of turbulence energy spectrum. <i>Experiments in Fluids</i> , 2021, 62, 1.	1.1	2
18	On the importance of nonlinear hydrodynamics and resonance frequencies on power production in multi-mode WECs. <i>Applied Ocean Research</i> , 2021, 117, 102924.	1.8	8

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19	Thermal Performance Characteristics of a Microchannel Gas Heater for Solar Heating Applications. <i>Energies</i> , 2021, 14, 7625.	1.6	1
20	The impact of geometrical parameters on acoustically driven drug delivery to maxillary sinuses. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020, 19, 557-575.	1.4	15
21	Pool boiling heat transfer characteristics of iron oxide nano-suspension under constant magnetic field. <i>International Journal of Thermal Sciences</i> , 2020, 147, 106131.	2.6	116
22	Mixed convection and radiation from an isothermal bladed structure. <i>International Journal of Heat and Mass Transfer</i> , 2020, 147, 118906.	2.5	22
23	Nonlinear hydrodynamics analysis of a submerged spherical point absorber with asymmetric mass distribution. <i>Renewable Energy</i> , 2020, 147, 1895-1908.	4.3	5
24	Performance index improvement of a double-pipe cooler with MgO/water-ethylene glycol (50:50) nano-suspension. <i>Propulsion and Power Research</i> , 2020, 9, 75-86.	2.0	7
25	Fluid structure interaction modelling of aortic valve stenosis: Effects of valve calcification on coronary artery flow and aortic root hemodynamics. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 196, 105647.	2.6	16
26	The influence of atmospheric boundary layer turbulence on the design wind loads and cost of heliostats. <i>Solar Energy</i> , 2020, 207, 796-812.	2.9	19
27	Hemodynamics of a stenosed aortic valve: Effects of the geometry of the sinuses and the positions of the coronary ostia. <i>International Journal of Mechanical Sciences</i> , 2020, 188, 106015.	3.6	5
28	The impact of pitch-surge coupling on the performance of a submerged cylindrical wave energy converter. <i>Applied Ocean Research</i> , 2020, 104, 102377.	1.8	3
29	Transitional turbulent flow in a stenosed coronary artery with a physiological pulsatile flow. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020, 36, e3347.	1.0	22
30	Comparison of turbulent boundary layer energy spectrum analyses for multiple tripping techniques. , 2020, , .		0
31	Turbulence characteristics in the wake of a heliostat in an atmospheric boundary layer flow. <i>Physics of Fluids</i> , 2020, 32, .	1.6	4
32	Acoustically-driven drug delivery to maxillary sinuses: Aero-acoustic analysis. <i>European Journal of Pharmaceutical Sciences</i> , 2020, 151, 105398.	1.9	18
33	An experimental model for pressure drop evaluation in a stenosed coronary artery. <i>Physics of Fluids</i> , 2020, 32, .	1.6	20
34	Flow structure and convective heat transfer in a bladed structure under wind conditions. <i>International Journal of Heat and Fluid Flow</i> , 2020, 85, 108676.	1.1	4
35	Wind load design considerations for the elevation and azimuth drives of a heliostat. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	4
36	An experimental investigation of unsteady pressure distribution on tandem heliostats. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	4

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37	A summary of experimental studies on heliostat wind loads in a turbulent atmospheric boundary layer. AIP Conference Proceedings, 2020, , .	0.3	3
38	Pool boiling under the magnetic environment: experimental study on the role of magnetism in particulate fouling and bubbling of iron oxide/ethylene glycol nano-suspension. Heat and Mass Transfer, 2019, 55, 119-132.	1.2	14
39	Modal analysis of a submerged spherical point absorber with asymmetric mass distribution. Renewable Energy, 2019, 130, 223-237.	4.3	15
40	Convective Bubbly Flow of Water in an Annular Pipe: Role of Total Dissolved Solids on Heat Transfer Characteristics and Bubble Formation. Water (Switzerland), 2019, 11, 1566.	1.2	21
41	Measurement of unsteady wind loads in a wind tunnel: Scaling of turbulence spectra. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 193, 103955.	1.7	25
42	High Quality Syngas Production with Supercritical Biomass Gasification Integrated with a Water-Gas Shift Reactor. Energies, 2019, 12, 2591.	1.6	24
43	Experimental Investigation on Thermal Performance of a PV/T-PCM (Photovoltaic/Thermal) System Cooling with a PCM and Nanofluid. Energies, 2019, 12, 2572.	1.6	126
44	Marangoni effect on the thermal performance of glycerol/water mixture in microchannel. Applied Thermal Engineering, 2019, 161, 114142.	3.0	16
45	Turbulence length scales in a low-roughness near-neutral atmospheric surface layer. Journal of Turbulence, 2019, 20, 545-562.	0.5	11
46	A method for the calculation of the design wind loads on heliostats. AIP Conference Proceedings, 2019, , .	0.3	6
47	Towards testing of a second-generation bladed receiver. AIP Conference Proceedings, 2019, , .	0.3	7
48	Convective heat loss from a bladed solar receiver. AIP Conference Proceedings, 2019, , .	0.3	3
49	Experimental investigation and performance optimisation of a catalytic reforming micro-reactor using response surface methodology. Energy Conversion and Management, 2019, 199, 111983.	4.4	38
50	Considerations on the control design for a three-tether wave energy converter. Ocean Engineering, 2019, 183, 469-477.	1.9	13
51	Experimental investigation of the flow characteristics within a vortex tube with different configurations. International Journal of Heat and Fluid Flow, 2019, 75, 195-208.	1.1	28
52	Assessment of the thermal performance of a thermosyphon heat pipe using zirconia-acetone nanofluids. Renewable Energy, 2019, 136, 884-895.	4.3	104
53	Thermal Assessment of Nano-Particulate Graphene-Water/Ethylene Glycol (WEG 60:40) Nano-Suspension in a Compact Heat Exchanger. Energies, 2019, 12, 1929.	1.6	99
54	The effect of the boundary layer on the wake of a horizontal axis wind turbine. Energy, 2019, 182, 1202-1221.	4.5	17

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55	Reforming of methanol with steam in a micro-reactor with Cu@SiO <sub>2</sub> porous catalyst. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19628-19639.	3.8	49
56	Heat transfer analysis of Ga-In-Sn in a compact heat exchanger equipped with straight micro-passages. <i>International Journal of Heat and Mass Transfer</i> , 2019, 139, 675-684.	2.5	62
57	Fluid and heat transfer characteristics of aqueous graphene nanoplatelet (GNP) nanofluid in a microchannel. <i>International Communications in Heat and Mass Transfer</i> , 2019, 107, 24-33.	2.9	87
58	The influence of wind speed, aperture ratio and tilt angle on the heat losses from a finely controlled heated cavity for a solar receiver. <i>Renewable Energy</i> , 2019, 143, 1544-1553.	4.3	13
59	Thermogravimetric analysis of Cu, Mn, Co, and Pb oxides for thermochemical energy storage. <i>Journal of Energy Storage</i> , 2019, 23, 138-147.	3.9	17
60	Correlating turbulence intensity and length scale with the unsteady lift force on flat plates in an atmospheric boundary layer flow. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2019, 189, 218-230.	1.7	26
61	Numerical investigation of the isothermal flow field and particle deposition behaviour in a rotating fluidized bed solar receiver. <i>Solar Energy</i> , 2019, 182, 348-360.	2.9	4
62	Filtration of per- and poly-fluoroalkyl from water and recycling of fluorine: a thermochemical equilibrium analysis. <i>Chemical Papers</i> , 2019, 73, 1853-1862.	1.0	0
63	Experimental investigation of the reduction of liquid bismuth oxide with graphite. <i>Fuel Processing Technology</i> , 2019, 188, 110-117.	3.7	18
64	The thermo-chemical potential liquid chemical looping gasification with bismuth oxide. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 8038-8050.	3.8	17
65	The influence of wall temperature distribution on the mixed convective losses from a heated cavity. <i>Applied Thermal Engineering</i> , 2019, 155, 157-165.	3.0	15
66	Experimental investigation of peak wind loads on tandem operating heliostats within an atmospheric boundary layer. <i>Solar Energy</i> , 2019, 183, 248-259.	2.9	12
67	A sensitivity study on the effect of mass distribution of a single-tether spherical point absorber. <i>Renewable Energy</i> , 2019, 141, 583-595.	4.3	10
68	Hinge and overturning moments due to unsteady heliostat pressure distributions in a turbulent atmospheric boundary layer. <i>Solar Energy</i> , 2019, 193, 604-617.	2.9	26
69	The application of modal analysis to the design of multi-mode point absorber wave energy converters. <i>Ocean Engineering</i> , 2019, 171, 603-618.	1.9	14
70	The energetic performance of a liquid chemical looping cycle with solar thermal energy storage. <i>Energy</i> , 2019, 170, 93-101.	4.5	12
71	Contact angle and heat transfer characteristics of a gravity-driven film flow of a particulate liquid metal on smooth and rough surfaces. <i>Applied Thermal Engineering</i> , 2019, 149, 602-612.	3.0	14
72	Energy Concentration by Bluff Bodies – A Particle Image Velocimetry Investigation. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2019, 141, .	0.8	1

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73	Dynamic Stall Flow Structure and Forces on Symmetrical Airfoils at High Angles of Attack and Rotation Rates. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2019, 141, .	0.8	4
74	Experimental thermal energy assessment of a liquid metal eutectic in a microchannel heat exchanger equipped with a (10â€”Hz/50â€”Hz) resonator. <i>Applied Thermal Engineering</i> , 2019, 148, 578-590.	3.0	41
75	Experimental assessment of copper oxide for liquid chemical looping for thermal energy storage. <i>Journal of Energy Storage</i> , 2019, 21, 216-221.	3.9	12
76	Heat transfer and pressure drop characteristics of MgO nanofluid in a double pipe heat exchanger. <i>Heat and Mass Transfer</i> , 2019, 55, 1769-1781.	1.2	31
77	Potential of molten lead oxide for liquid chemical looping gasification (LCLG): A thermochemical analysis. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 4195-4210.	3.8	27
78	Investigation of peak wind loads on tandem heliostats in stow position. <i>Renewable Energy</i> , 2018, 121, 548-558.	4.3	20
79	Thermal performance analysis of a microchannel heat sink cooling with copper oxide-indium (CuO/In) nano-suspensions at high-temperatures. <i>Applied Thermal Engineering</i> , 2018, 137, 700-709.	3.0	102
80	Demonstration of plausible application of gallium nano-suspension in microchannel solar thermal receiver: Experimental assessment of thermo-hydraulic performance of microchannel. <i>International Communications in Heat and Mass Transfer</i> , 2018, 94, 39-46.	2.9	87
81	Experimental investigation of the effects of wind speed and yaw angle on heat losses from a heated cavity. <i>Solar Energy</i> , 2018, 165, 178-188.	2.9	20
82	Mixed convection around a tilted cuboid with an isothermal sidewall at moderate Reynolds numbers. <i>International Journal of Heat and Mass Transfer</i> , 2018, 119, 418-432.	2.5	19
83	Feasibility study of the three-tether axisymmetric wave energy converter. <i>Ocean Engineering</i> , 2018, 150, 221-233.	1.9	37
84	Leading-edge vortex development on a pitching flat plate with multiple leading edge geometries. <i>Experimental Thermal and Fluid Science</i> , 2018, 96, 406-418.	1.5	9
85	Ambient vibration energy harvesters: A review on nonlinear techniques for performance enhancement. <i>International Journal of Engineering Science</i> , 2018, 127, 162-185.	2.7	237
86	Dynamic- and post-stall characteristics of pitching airfoils at extreme conditions. <i>Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering</i> , 2018, 232, 1171-1185.	0.7	6
87	Modelling of wind turbine wake using large eddy simulation. <i>Renewable Energy</i> , 2018, 115, 1166-1176.	4.3	72
88	The Application of Different Tripping Techniques to Determine the Characteristics of the Turbulent Boundary Layer Over a Flat Plate. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2018, 140, .	0.8	23
89	Thin airfoil load control during post-stall and large pitch angles using leading-edge trips. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2018, 179, 80-91.	1.7	13
90	Spatial and temporal concentration of hydrokinetic energy in the wake of a bluff body. <i>Ocean Engineering</i> , 2018, 164, 181-198.	1.9	3

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91	Thermal and hydraulic analysis of a rectangular microchannel with gallium-copper oxide nano-suspension. <i>Journal of Molecular Liquids</i> , 2018, 263, 382-389.	2.3	69
92	Heat transfer and fluid flow of MgO/ethylene glycol in a corrugated heat exchanger. <i>Journal of Mechanical Science and Technology</i> , 2018, 32, 3975-3982.	0.7	15
93	Mechanism of sweep event attenuation using micro-cavities in a turbulent boundary layer. <i>Physics of Fluids</i> , 2018, 30, .	1.6	8
94	Thermodynamic potential of high temperature chemical looping combustion with molten iron oxide as the oxygen carrier. <i>Chemical Engineering Research and Design</i> , 2017, 120, 69-81.	2.7	24
95	Resonance Responses of Geometrically Imperfect Functionally Graded Extensible Microbeams. <i>Journal of Computational and Nonlinear Dynamics</i> , 2017, 12, .	0.7	14
96	Performance comparison of the floating and fully submerged quasi-point absorber wave energy converters. <i>Renewable Energy</i> , 2017, 108, 425-437.	4.3	71
97	Attenuation of sweep events in a turbulent boundary layer using micro-cavities. <i>Experiments in Fluids</i> , 2017, 58, 1.	1.1	15
98	An investigation into the effect of aspect ratio on the heat loss from a solar cavity receiver. <i>Solar Energy</i> , 2017, 149, 20-31.	2.9	28
99	The relative performance of alternative oxygen carriers for liquid chemical looping combustion and gasification. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 16396-16407.	3.8	40
100	Self-noise and directivity of simple airfoils during stall: An experimental comparison. <i>Applied Acoustics</i> , 2017, 127, 133-146.	1.7	14
101	Thermodynamic potential of molten copper oxide for high temperature solar energy storage and oxygen production. <i>Applied Energy</i> , 2017, 201, 69-83.	5.1	36
102	Self-noise of NACA 0012 and NACA 0021 aerofoils at the onset of stall. <i>International Journal of Aeroacoustics</i> , 2017, 16, 181-195.	0.8	10
103	Potential use of liquid metal oxides for chemical looping gasification: A thermodynamic assessment. <i>Applied Energy</i> , 2017, 195, 702-712.	5.1	63
104	Performance effects of a single tubercle terminating at a swept wing's tip. <i>Experimental Thermal and Fluid Science</i> , 2017, 85, 52-68.	1.5	12
105	Wind farm noises: Mechanisms and evidence for their dependency on wind direction. <i>Renewable Energy</i> , 2017, 109, 311-322.	4.3	18
106	Progress in heliostat development. <i>Solar Energy</i> , 2017, 152, 3-37.	2.9	115
107	Development of ASTRI high-temperature solar receivers. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	6
108	Investigation of the atmospheric boundary layer characteristics on gust factor for the calculation of wind load. , 2017, , .		4

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109	Effect of turbulence characteristics in the atmospheric surface layer on the peak wind loads on heliostats in stow position. <i>Solar Energy</i> , 2017, 157, 284-297.	2.9	37
110	Numerical investigation of wind loads on an operating heliostat. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	3
111	Flow behavior inside a novel rotating fluidized bed for solar gasification of biomass. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	1
112	Experimental and numerical investigation of the flow characteristics within a Solar Expanding-Vortex Particle Receiver-Reactor. <i>Solar Energy</i> , 2017, 141, 25-37.	2.9	19
113	A size-dependent nonlinear third-order shear-deformable dynamic model for a microplate on an elastic medium. <i>Microsystem Technologies</i> , 2017, 23, 3281-3299.	1.2	6
114	Force Measurements and Wake Surveys of a Swept Tubercled Wing. <i>Journal of Aerospace Engineering</i> , 2017, 30, 04016085.	0.8	23
115	Attenuation of turbulence by the passive control of sweep events in a turbulent boundary layer using micro-cavities. <i>Physics of Fluids</i> , 2017, 29, .	1.6	8
116	Comparing the thermodynamic potential of alternative liquid metal oxides for the storage of solar thermal energy. <i>Solar Energy</i> , 2017, 157, 251-258.	2.9	25
117	Development of the ASTRI heliostat. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	3
118	Analytical assessment of a novel rotating fluidized bed solar reactor for steam gasification of char particles. <i>Solar Energy</i> , 2016, 140, 113-123.	2.9	8
119	Particleâ€Scale Investigation of Heat Transfer in Radiationâ€Driven Char Gasification. <i>Chemical Engineering and Technology</i> , 2016, 39, 1903-1911.	0.9	4
120	Sea-state based maximum power point tracking damping control of a fully submerged oscillating buoy. <i>Ocean Engineering</i> , 2016, 126, 299-312.	1.9	37
121	Formation of vortices on a tubercled wing, and their effects on drag. <i>Aerospace Science and Technology</i> , 2016, 56, 46-55.	2.5	32
122	A new technique for investigating the induced and profile drag coefficients of a smooth wing and a tubercled wing. <i>EPJ Web of Conferences</i> , 2016, 114, 02150.	0.1	1
123	A Novel Solar Expanding-Vortex Particle Reactor: Experimental and Numerical Investigation of the Iso-thermal Flow Field and Particle Deposition. <i>Solar Energy</i> , 2016, 133, 451-464.	2.9	26
124	Parametric Study of the Effects of a Tubercle's Geometry on Wing Performance Through the Use of the Lifting-Line Theory. , 2016, , .		12
125	A Comparison of NACA 0012 and NACA 0021 Self-noise at Low Reynolds Number. <i>Lecture Notes in Mechanical Engineering</i> , 2016, , 21-25.	0.3	1
126	Flow-induced vibration of an elastically mounted airfoil under the influence of the wake of a circular cylinder. <i>Experimental Thermal and Fluid Science</i> , 2016, 74, 58-72.	1.5	31



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127	An optimal arrangement of mooring lines for the three-tether submerged point-absorbing wave energy converter. <i>Renewable Energy</i> , 2016, 93, 27-37.	4.3	27
128	Methods to control dynamic stall for wind turbine applications. <i>Renewable Energy</i> , 2016, 86, 26-37.	4.3	71
129	Tubercles and Their Applications. <i>Journal of Aerospace Engineering</i> , 2016, 29, .	0.8	41
130	Effect of heliostat design wind speed on the levelised cost of electricity from concentrating solar thermal power tower plants. <i>Solar Energy</i> , 2015, 115, 441-451.	2.9	41
131	Analysis of the turbulent boundary layer in the vicinity of a self-excited cylindrical Helmholtz resonator. <i>Journal of Turbulence</i> , 2015, 16, 705-728.	0.5	9
132	A Novel Solar Expanding-Vortex Particle Reactor: Influence of Vortex Structure on Particle Residence Times and Trajectories. <i>Solar Energy</i> , 2015, 122, 58-75.	2.9	56
133	Harnessing hydro-kinetic energy from wake-induced vibration using virtual mass spring damper system. <i>Ocean Engineering</i> , 2015, 108, 115-128.	1.9	29
134	A study of long separation bubble on thick airfoils and its consequent effects. <i>International Journal of Heat and Fluid Flow</i> , 2015, 52, 84-96.	1.1	63
135	Understanding of the flow behaviour on a Helmholtz resonator excited by grazing flow. <i>International Journal of Computational Fluid Dynamics</i> , 2014, 28, 219-231.	0.5	16
136	Effect of a rigid wall on the vortex induced vibration of two staggered circular cylinders. <i>Journal of Renewable and Sustainable Energy</i> , 2014, 6, .	0.8	15
137	A hybrid solar chemical looping combustion system with a high solar share. <i>Applied Energy</i> , 2014, 126, 69-77.	5.1	33
138	A discussion of wind turbine interaction and stall contributions to wind farm noise. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2014, 127, 1-10.	1.7	32
139	Interaction of a flow-excited Helmholtz resonator with a grazing turbulent boundary layer. <i>Experimental Thermal and Fluid Science</i> , 2014, 58, 80-92.	1.5	26
140	The effect of arrangement of two circular cylinders on the maximum efficiency of Vortex-Induced Vibration power using a Scale-Adaptive Simulation model. <i>Journal of Fluids and Structures</i> , 2014, 49, 654-666.	1.5	34
141	Influence of the Type of Oxygen Carriers on the Performance of a Hybrid Solar Chemical Looping Combustion System. <i>Energy &amp; Fuels</i> , 2014, 28, 2914-2924.	2.5	20
142	The energetic performance of a novel hybrid solar thermal & chemical looping combustion plant. <i>Applied Energy</i> , 2014, 132, 74-85.	5.1	36
143	An insight into the dynamic stall lift characteristics. <i>Experimental Thermal and Fluid Science</i> , 2014, 58, 188-208.	1.5	97
144	Energy analysis within a vortex tube. <i>Experimental Thermal and Fluid Science</i> , 2014, 52, 139-145.	1.5	42

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145	Effects of Wake Interaction on Downstream Wind Turbines. <i>Wind Engineering</i> , 2014, 38, 535-547.	1.1	14
146	The economic assessment of micro wind turbines for South Australia. <i>Energy Systems</i> , 2013, 4, 355-377.	1.8	3
147	Effects of wind speed changes on wake instability of a wind turbine in a virtual wind tunnel using large eddy simulation. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2013, 117, 38-56.	1.7	57
148	Experimental study of the thermal separation in a vortex tube. <i>Experimental Thermal and Fluid Science</i> , 2013, 46, 175-182.	1.5	44
149	A hybrid solar and chemical looping combustion system for solar thermal energy storage. <i>Applied Energy</i> , 2013, 103, 671-678.	5.1	63
150	The influence of high intensity solar radiation on the temperature and reduction of an oxygen carrier particle in hybrid chemical looping combustion. <i>Chemical Engineering Science</i> , 2013, 95, 331-342.	1.9	18
151	Large eddy simulation of the wind turbine wake characteristics in the numerical wind tunnel model. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2013, 112, 11-24.	1.7	101
152	Atmospheric Plasma Thruster: Theory and Concept. <i>AIAA Journal</i> , 2013, 51, 362-371.	1.5	16
153	The working principle of a vortex tube. <i>International Journal of Refrigeration</i> , 2013, 36, 1730-1740.	1.8	73
154	Techno-economic assessment of the application of small-scale wind turbines. <i>International Journal of Sustainable Energy</i> , 2013, 32, 587-598.	1.3	1
155	Horizontal axis wind turbine dynamic stall predictions based on wind speed and direction variability. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2013, 227, 338-351.	0.8	15
156	The response of a flat plate boundary layer to an orthogonally arranged dielectric barrier discharge actuator. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 025202.	1.3	8
157	Investigation into the Effect of Electrode Angle on Force Production of a Dielectric Barrier Discharge Plasma Actuator. , 2012, , .		1
158	Experimental study of the flow structure in a counter flow Ranque-Hilsch vortex tube. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 5853-5860.	2.5	56
159	Investigation of the effect of dielectric barrier discharge plasma actuators on the radar cross section of an object. <i>Journal Physics D: Applied Physics</i> , 2011, 44, 315202.	1.3	18
160	An investigation into the sensory application of DBD plasma actuators for pressure measurement. <i>Sensors and Actuators A: Physical</i> , 2011, 171, 102-108.	2.0	10
161	Visualization of the flow structure in a vortex tube. <i>Experimental Thermal and Fluid Science</i> , 2011, 35, 1514-1521.	1.5	43
162	An investigation into the effect of electric field on the performance of Dielectric Barrier Discharge plasma actuators. <i>Experimental Thermal and Fluid Science</i> , 2011, 35, 1600-1607.	1.5	10

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163	A critical review of temperature separation in a vortex tube. <i>Experimental Thermal and Fluid Science</i> , 2010, 34, 1367-1374.	1.5	136
164	Investigation of the Effect of Electrode Arrangement on Plasma Actuator Performance. , 2009, , .		1
165	The effect of vortex angle on the efficiency of the Ranque-Hilsch vortex tube. <i>Experimental Thermal and Fluid Science</i> , 2008, 33, 54-57.	1.5	53
166	An Investigation on the Effect of the Hot End Plugs on the Efficiency of the Ranque-Hilsch Vortex Tube. , 2007, , 505-505.		3
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