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	Ambient vibration energy harvesters: A review on nonlinear techniques for performance enhancement. International Journal of Engineering Science, 2018, 127, 162-185.	2.7	237
2	A critical review of temperature separation in a vortex tube. Experimental Thermal and Fluid Science, 2010, 34, 1367-1374.	1.5	136
3	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
4	Pool boiling heat transfer characteristics of iron oxide nano-suspension under constant magnetic field. International Journal of Thermal Sciences, 2020, 147, 106131.	2.6	116
5	Progress in heliostat development. Solar Energy, 2017, 152, 3-37.	2.9	115
6	Assessment of the thermal performance of a thermosyphon heat pipe using zirconia-acetone nanofluids. Renewable Energy, 2019, 136, 884-895.	4.3	104
7	Thermal performance analysis of a microchannel heat sink cooling with copper oxide-indium (CuO/In) nano-suspensions at high-temperatures. Applied Thermal Engineering, 2018, 137, 700-709.	3.0	102
8	Large eddy simulation of the wind turbine wake characteristics in the numerical wind tunnel model. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 112, 11-24.	1.7	101
9	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
10	An insight into the dynamic stall lift characteristics. Experimental Thermal and Fluid Science, 2014, 58, 188-208.	1.5	97
11	Demonstration of plausible application of gallium nano-suspension in microchannel solar thermal receiver: Experimental assessment of thermo-hydraulic performance of microchannel. International Communications in Heat and Mass Transfer, 2018, 94, 39-46.	2.9	87
12	Fluid and heat transfer characteristics of aqueous graphene nanoplatelet (GNP) nanofluid in a microchannel. International Communications in Heat and Mass Transfer, 2019, 107, 24-33.	2.9	87
13	The working principle of a vortex tube. International Journal of Refrigeration, 2013, 36, 1730-1740.	1.8	73
14	Modelling of wind turbine wake using large eddy simulation. Renewable Energy, 2018, 115, 1166-1176.	4.3	72
15	Methods to control dynamic stall for wind turbine applications. Renewable Energy, 2016, 86, 26-37.	4.3	71
16	Performance comparison of the floating and fully submerged quasi-point absorber wave energy converters. Renewable Energy, 2017, 108, 425-437.	4.3	71
17	Thermal and hydraulic analysis of a rectangular microchannel with gallium-copper oxide nano-suspension. Journal of Molecular Liquids, 2018, 263, 382-389.	2.3	69
18	A hybrid solar and chemical looping combustion system for solar thermal energy storage. Applied Energy, 2013, 103, 671-678.	5.1	63

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19	A study of long separation bubble on thick airfoils and its consequent effects. International Journal of Heat and Fluid Flow, 2015, 52, 84-96.	1.1	63
20	Potential use of liquid metal oxides for chemical looping gasification: A thermodynamic assessment. Applied Energy, 2017, 195, 702-712.	5.1	63
21	Heat transfer analysis of Ga-In-Sn in a compact heat exchanger equipped with straight micro-passages. International Journal of Heat and Mass Transfer, 2019, 139, 675-684.	2.5	62
22	Effects of wind speed changes on wake instability of a wind turbine in a virtual wind tunnel using large eddy simulation. Journal of Wind Engineering and Industrial Aerodynamics, 2013, 117, 38-56.	1.7	57
23	Experimental study of the flow structure in a counter flow Ranqueâ€“Hilsch vortex tube. International Journal of Heat and Mass Transfer, 2012, 55, 5853-5860.	2.5	56
24	A Novel Solar Expanding-Vortex Particle Reactor: Influence of Vortex Structure on Particle Residence Times and Trajectories. Solar Energy, 2015, 122, 58-75.	2.9	56
25	The effect of vortex angle on the efficiency of the Ranqueâ€“Hilsch vortex tube. Experimental Thermal and Fluid Science, 2008, 33, 54-57.	1.5	53
26	Reforming of methanol with steam in a micro-reactor with Cuâ€“SiO2 porous catalyst. International Journal of Hydrogen Energy, 2019, 44, 19628-19639.	3.8	49
27	Experimental study of the thermal separation in a vortex tube. Experimental Thermal and Fluid Science, 2013, 46, 175-182.	1.5	44
28	Visualization of the flow structure in a vortex tube. Experimental Thermal and Fluid Science, 2011, 35, 1514-1521.	1.5	43
29	Energy analysis within a vortex tube. Experimental Thermal and Fluid Science, 2014, 52, 139-145.	1.5	42
30	Effect of heliostat design wind speed on the levelised cost of electricity from concentrating solar thermal power tower plants. Solar Energy, 2015, 115, 441-451.	2.9	41
31	Tubercles and Their Applications. Journal of Aerospace Engineering, 2016, 29, .	0.8	41
32	Experimental thermal energy assessment of a liquid metal eutectic in a microchannel heat exchanger equipped with a (10â€¯Hz/50â€¯Hz) resonator. Applied Thermal Engineering, 2019, 148, 578-590.	3.0	41
33	The relative performance of alternative oxygen carriers for liquid chemical looping combustion and gasification. International Journal of Hydrogen Energy, 2017, 42, 16396-16407.	3.8	40
34	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
35	Sea-state based maximum power point tracking damping control of a fully submerged oscillating buoy. Ocean Engineering, 2016, 126, 299-312.	1.9	37
36	Effect of turbulence characteristics in the atmospheric surface layer on the peak wind loads on heliostats in stow position. Solar Energy, 2017, 157, 284-297.	2.9	37

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37	Feasibility study of the three-tether axisymmetric wave energy converter. Ocean Engineering, 2018, 150, 221-233.	1.9	37
38	The energetic performance of a novel hybrid solar thermal & chemical looping combustion plant. Applied Energy, 2014, 132, 74-85.	5.1	36
39	Thermodynamic potential of molten copper oxide for high temperature solar energy storage and oxygen production. Applied Energy, 2017, 201, 69-83.	5.1	36
40	The effect of arrangement of two circular cylinders on the maximum efficiency of Vortex-Induced Vibration power using a Scale-Adaptive Simulation model. Journal of Fluids and Structures, 2014, 49, 654-666.	1.5	34
41	A hybrid solar chemical looping combustion system with a high solar share. Applied Energy, 2014, 126, 69-77.	5.1	33
42	A discussion of wind turbine interaction and stall contributions to wind farm noise. Journal of Wind Engineering and Industrial Aerodynamics, 2014, 127, 1-10.	1.7	32
43	Formation of vortices on a tubercled wing, and their effects on drag. Aerospace Science and Technology, 2016, 56, 46-55.	2.5	32
44	Flow-induced vibration of an elastically mounted airfoil under the influence of the wake of a circular cylinder. Experimental Thermal and Fluid Science, 2016, 74, 58-72.	1.5	31
45	Heat transfer and pressure drop characteristics of MgO nanofluid in a double pipe heat exchanger. Heat and Mass Transfer, 2019, 55, 1769-1781.	1.2	31
46	Harnessing hydro-kinetic energy from wake-induced vibration using virtual mass spring damper system. Ocean Engineering, 2015, 108, 115-128.	1.9	29
47	An investigation into the effect of aspect ratio on the heat loss from a solar cavity receiver. Solar Energy, 2017, 149, 20-31.	2.9	28
48	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
49	An optimal arrangement of mooring lines for the three-tether submerged point-absorbing wave energy converter. Renewable Energy, 2016, 93, 27-37.	4.3	27
50	Potential of molten lead oxide for liquid chemical looping gasification (LCLG): A thermochemical analysis. International Journal of Hydrogen Energy, 2018, 43, 4195-4210.	3.8	27
51	Interaction of a flow-excited Helmholtz resonator with a grazing turbulent boundary layer. Experimental Thermal and Fluid Science, 2014, 58, 80-92.	1.5	26
52	A Novel Solar Expanding-Vortex Particle Reactor: Experimental and Numerical Investigation of the Iso-thermal Flow Field and Particle Deposition. Solar Energy, 2016, 133, 451-464.	2.9	26
53	Correlating turbulence intensity and length scale with the unsteady lift force on flat plates in an atmospheric boundary layer flow. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 189, 218-230.	1.7	26
54	Hinge and overturning moments due to unsteady heliostat pressure distributions in a turbulent atmospheric boundary layer. Solar Energy, 2019, 193, 604-617.	2.9	26

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55	Thermodynamic potential of a high-concentration hybrid photovoltaic/thermal plant for co-production of steam and electricity. Journal of Thermal Analysis and Calorimetry, 2021, 143, 1389-1398.	2.0	26
56	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
57	Comparing the thermodynamic potential of alternative liquid metal oxides for the storage of solar thermal energy. Solar Energy, 2017, 157, 251-258.	2.9	25
58	Thermodynamic potential of high temperature chemical looping combustion with molten iron oxide as the oxygen carrier. Chemical Engineering Research and Design, 2017, 120, 69-81.	2.7	24
59	High Quality Syngas Production with Supercritical Biomass Gasification Integrated with a Waterâ€“Gas Shift Reactor. Energies, 2019, 12, 2591.	1.6	24
60	Effect of shape of the stenosis on the hemodynamics of a stenosed coronary artery. Physics of Fluids, 2021, 33, .	1.6	24
61	Force Measurements and Wake Surveys of a Swept Tubercled Wing. Journal of Aerospace Engineering, 2017, 30, 04016085.	0.8	23
62	The Application of Different Tripping Techniques to Determine the Characteristics of the Turbulent Boundary Layer Over a Flat Plate. Journal of Fluids Engineering, Transactions of the ASME, 2018, 140, .	0.8	23
63	Mixed convection and radiation from an isothermal bladed structure. International Journal of Heat and Mass Transfer, 2020, 147, 118906.	2.5	22
64	Transitional turbulent flow in a stenosed coronary artery with a physiological pulsatile flow. International Journal for Numerical Methods in Biomedical Engineering, 2020, 36, e3347.	1.0	22
65	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
66	Influence of the Type of Oxygen Carriers on the Performance of a Hybrid Solar Chemical Looping Combustion System. Energy & Fuels, 2014, 28, 2914-2924.	2.5	20
67	Investigation of peak wind loads on tandem heliostats in stow position. Renewable Energy, 2018, 121, 548-558.	4.3	20
68	Experimental investigation of the effects of wind speed and yaw angle on heat losses from a heated cavity. Solar Energy, 2018, 165, 178-188.	2.9	20
69	An experimental model for pressure drop evaluation in a stenosed coronary artery. Physics of Fluids, 2020, 32, .	1.6	20
70	Experimental and numerical investigation of the flow characteristics within a Solar Expanding-Vortex Particle Receiver-Reactor. Solar Energy, 2017, 141, 25-37.	2.9	19
71	Mixed convection around a tilted cuboid with an isothermal sidewall at moderate Reynolds numbers. International Journal of Heat and Mass Transfer, 2018, 119, 418-432.	2.5	19
72	The influence of atmospheric boundary layer turbulence on the design wind loads and cost of heliostats. Solar Energy, 2020, 207, 796-812.	2.9	19

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73	Review of scaling laws applied to floating offshore wind turbines. Renewable and Sustainable Energy Reviews, 2022, 162, 112477.	8.2	19
74	Investigation of the effect of dielectric barrier discharge plasma actuators on the radar cross section of an object. Journal Physics D: Applied Physics, 2011, 44, 315202.	1.3	18
75	The influence of high intensity solar radiation on the temperature and reduction of an oxygen carrier particle in hybrid chemical looping combustion. Chemical Engineering Science, 2013, 95, 331-342.	1.9	18
76	Wind farm noises: Mechanisms and evidence for their dependency on wind direction. Renewable Energy, 2017, 109, 311-322.	4.3	18
77	Experimental investigation of the reduction of liquid bismuth oxide with graphite. Fuel Processing Technology, 2019, 188, 110-117.	3.7	18
78	Acoustically-driven drug delivery to maxillary sinuses: Aero-acoustic analysis. European Journal of Pharmaceutical Sciences, 2020, 151, 105398.	1.9	18
79	The effect of the boundary layer on the wake of a horizontal axis wind turbine. Energy, 2019, 182, 1202-1221.	4.5	17
80	Thermogravimetric analysis of Cu, Mn, Co, and Pb oxides for thermochemical energy storage. Journal of Energy Storage, 2019, 23, 138-147.	3.9	17
81	The thermo-chemical potential liquid chemical looping gasification with bismuth oxide. International Journal of Hydrogen Energy, 2019, 44, 8038-8050.	3.8	17
82	Atmospheric Plasma Thruster: Theory and Concept. AIAA Journal, 2013, 51, 362-371.	1.5	16
83	Understanding of the flow behaviour on a Helmholtz resonator excited by grazing flow. International Journal of Computational Fluid Dynamics, 2014, 28, 219-231.	0.5	16
84	Marangoni effect on the thermal performance of glycerol/water mixture in microchannel. Applied Thermal Engineering, 2019, 161, 114142.	3.0	16
85	Fluid structure interaction modelling of aortic valve stenosis: Effects of valve calcification on coronary artery flow and aortic root hemodynamics. Computer Methods and Programs in Biomedicine, 2020, 196, 105647.	2.6	16
86	Acoustic drug delivery to the maxillary sinus. International Journal of Pharmaceutics, 2021, 606, 120927.	2.6	16
87	Horizontal axis wind turbine dynamic stall predictions based on wind speed and direction variability. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2013, 227, 338-351.	0.8	15
88	Effect of a rigid wall on the vortex induced vibration of two staggered circular cylinders. Journal of Renewable and Sustainable Energy, 2014, 6, .	0.8	15
89	Attenuation of sweep events in a turbulent boundary layer using micro-cavities. Experiments in Fluids, 2017, 58, 1.	1.1	15
90	Heat transfer and fluid flow of MgO/ethylene glycol in a corrugated heat exchanger. Journal of Mechanical Science and Technology, 2018, 32, 3975-3982.	0.7	15

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91	Modal analysis of a submerged spherical point absorber with asymmetric mass distribution. Renewable Energy, 2019, 130, 223-237.	4.3	15
92	The influence of wall temperature distribution on the mixed convective losses from a heated cavity. Applied Thermal Engineering, 2019, 155, 157-165.	3.0	15
93	The impact of geometrical parameters on acoustically driven drug delivery to maxillary sinuses. Biomechanics and Modeling in Mechanobiology, 2020, 19, 557-575.	1.4	15
94	Effects of Wake Interaction on Downstream Wind Turbines. Wind Engineering, 2014, 38, 535-547.	1.1	14
95	Resonance Responses of Geometrically Imperfect Functionally Graded Extensible Microbeams. Journal of Computational and Nonlinear Dynamics, 2017, 12, .	0.7	14
96	Self-noise and directivity of simple airfoils during stall: An experimental comparison. Applied Acoustics, 2017, 127, 133-146.	1.7	14
97	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
98	The application of modal analysis to the design of multi-mode point absorber wave energy converters. Ocean Engineering, 2019, 171, 603-618.	1.9	14
99	Contact angle and heat transfer characteristics of a gravity-driven film flow of a particulate liquid metal on smooth and rough surfaces. Applied Thermal Engineering, 2019, 149, 602-612.	3.0	14
100	Thin airfoil load control during post-stall and large pitch angles using leading-edge trips. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 179, 80-91.	1.7	13
101	Considerations on the control design for a three-tether wave energy converter. Ocean Engineering, 2019, 183, 469-477.	1.9	13
102	The influence of wind speed, aperture ratio and tilt angle on the heat losses from a finely controlled heated cavity for a solar receiver. Renewable Energy, 2019, 143, 1544-1553.	4.3	13
103	A review of static and dynamic heliostat wind loads. Solar Energy, 2021, 225, 60-82.	2.9	13
104	Parametric Study of the Effects of a Tubercle's Geometry on Wing Performance Through the Use of the Lifting-Line Theory. , 2016, , .		12
105	Performance effects of a single tubercle terminating at a swept wingâ€™s tip. Experimental Thermal and Fluid Science, 2017, 85, 52-68.	1.5	12
106	Experimental investigation of peak wind loads on tandem operating heliostats within an atmospheric boundary layer. Solar Energy, 2019, 183, 248-259.	2.9	12
107	The energetic performance of a liquid chemical looping cycle with solar thermal energy storage. Energy, 2019, 170, 93-101.	4.5	12
108	Experimental assessment of copper oxide for liquid chemical looping for thermal energy storage. Journal of Energy Storage, 2019, 21, 216-221.	3.9	12

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109	Turbulence length scales in a low-roughness near-neutral atmospheric surface layer. Journal of Turbulence, 2019, 20, 545-562.	0.5	11
110	Mechanism of control of the near-wall turbulence using a micro-cavity array. Physics of Fluids, 2021, 33, .	1.6	11
111	An investigation into the sensory application of DBD plasma actuators for pressure measurement. Sensors and Actuators A: Physical, 2011, 171, 102-108.	2.0	10
112	An investigation into the effect of electric field on the performance of Dielectric Barrier Discharge plasma actuators. Experimental Thermal and Fluid Science, 2011, 35, 1600-1607.	1.5	10
113	Self-noise of NACA 0012 and NACA 0021 aerofoils at the onset of stall. International Journal of Aeroacoustics, 2017, 16, 181-195.	0.8	10
114	A sensitivity study on the effect of mass distribution of a single-tether spherical point absorber. Renewable Energy, 2019, 141, 583-595.	4.3	10
115	Analysis of the turbulent boundary layer in the vicinity of a self-excited cylindrical Helmholtz resonator. Journal of Turbulence, 2015, 16, 705-728.	0.5	9
116	Leading-edge vortex development on a pitching flat plate with multiple leading edge geometries. Experimental Thermal and Fluid Science, 2018, 96, 406-418.	1.5	9
117	The response of a flat plate boundary layer to an orthogonally arranged dielectric barrier discharge actuator. Journal Physics D: Applied Physics, 2012, 45, 025202.	1.3	8
118	Analytical assessment of a novel rotating fluidized bed solar reactor for steam gasification of char particles. Solar Energy, 2016, 140, 113-123.	2.9	8
119	Attenuation of turbulence by the passive control of sweep events in a turbulent boundary layer using micro-cavities. Physics of Fluids, 2017, 29, .	1.6	8
120	Mechanism of sweep event attenuation using micro-cavities in a turbulent boundary layer. Physics of Fluids, 2018, 30, .	1.6	8
121	On the importance of nonlinear hydrodynamics and resonance frequencies on power production in multi-mode WECs. Applied Ocean Research, 2021, 117, 102924.	1.8	8
122	The effect of inlet flow profile and nozzle diameter on drug delivery to the maxillary sinus. Biomechanics and Modeling in Mechanobiology, 2022, 21, 849-870.	1.4	8
123	Towards testing of a second-generation bladed receiver. AIP Conference Proceedings, 2019, , .	0.3	7
124	Performance index improvement of a double-pipe cooler with MgO/water-ethylene glycol (50:50) nano-suspension. Propulsion and Power Research, 2020, 9, 75-86.	2.0	7
125	Development of ASTRI high-temperature solar receivers. AIP Conference Proceedings, 2017, , .	0.3	6
126	A size-dependent nonlinear third-order shear-deformable dynamic model for a microplate on an elastic medium. Microsystem Technologies, 2017, 23, 3281-3299.	1.2	6

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127	Dynamic- and post-stall characteristics of pitching airfoils at extreme conditions. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2018, 232, 1171-1185.	0.7	6
128	A method for the calculation of the design wind loads on heliostats. AIP Conference Proceedings, 2019, , .	0.3	6
129	Effect of artery curvature on the coronary fractional flow reserve. Physics of Fluids, 2021, 33, .	1.6	6
130	A Review on the Effect of Temporal Geometric Variations of the Coronary Arteries on the Wall Shear Stress and Pressure Drop. Journal of Biomechanical Engineering, 2022, 144, .	0.6	6
131	Design considerations for a three-tethered point absorber wave energy converter with nonlinear coupling between hydrodynamic modes. Ocean Engineering, 2022, 254, 111351.	1.9	6
132	Nonlinear hydrodynamics analysis of a submerged spherical point absorber with asymmetric mass distribution. Renewable Energy, 2020, 147, 1895-1908.	4.3	5
133	Hemodynamics of a stenosed aortic valve: Effects of the geometry of the sinuses and the positions of the coronary ostia. International Journal of Mechanical Sciences, 2020, 188, 106015.	3.6	5
134	Particleâ€Scale Investigation of Heat Transfer in Radiationâ€Driven Char Gasification. Chemical Engineering and Technology, 2016, 39, 1903-1911.	0.9	4
135	Investigation of the atmospheric boundary layer characteristics on gust factor for the calculation of wind load. , 2017, , .		4
136	Numerical investigation of the isothermal flow field and particle deposition behaviour in a rotating fluidized bed solar receiver. Solar Energy, 2019, 182, 348-360.	2.9	4
137	Dynamic Stall Flow Structure and Forces on Symmetrical Airfoils at High Angles of Attack and Rotation Rates. Journal of Fluids Engineering, Transactions of the ASME, 2019, 141, .	0.8	4
138	Turbulence characteristics in the wake of a heliostat in an atmospheric boundary layer flow. Physics of Fluids, 2020, 32, .	1.6	4
139	Flow structure and convective heat transfer in a bladed structure under wind conditions. International Journal of Heat and Fluid Flow, 2020, 85, 108676.	1.1	4
140	Wind load design considerations for the elevation and azimuth drives of a heliostat. AIP Conference Proceedings, 2020, , .	0.3	4
141	An experimental investigation of unsteady pressure distribution on tandem heliostats. AIP Conference Proceedings, 2020, , .	0.3	4
142	Finite-length porous surfaces for control of a turbulent boundary layer. Physics of Fluids, 2022, 34, .	1.6	4
143	The economic assessment of micro wind turbines for South Australia. Energy Systems, 2013, 4, 355-377.	1.8	3
144	Development of the ASTRI heliostat. AIP Conference Proceedings, 2016, , .	0.3	3

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145	Numerical investigation of wind loads on an operating heliostat. AIP Conference Proceedings, 2017, , .	0.3	3
146	Spatial and temporal concentration of hydrokinetic energy in the wake of a bluff body. Ocean Engineering, 2018, 164, 181-198.	1.9	3
147	Convective heat loss from a bladed solar receiver. AIP Conference Proceedings, 2019, , .	0.3	3
148	The impact of pitch-surge coupling on the performance of a submerged cylindrical wave energy converter. Applied Ocean Research, 2020, 104, 102377.	1.8	3
149	An Investigation on the Effect of the Hot End Plugs on the Efficiency of the Ranque-Hilsch Vortex Tube. , 2007, , 505-505.		3
150	A summary of experimental studies on heliostat wind loads in a turbulent atmospheric boundary layer. AIP Conference Proceedings, 2020, , .	0.3	3
151	Sensitivity analysis of orifice length of micro-cavity array for the purpose of turbulence attenuation. Experiments in Fluids, 2022, 63, 1.	1.1	3
152	A feasibility study on the application of mesh grids for heliostat wind load reduction. Solar Energy, 2022, 240, 121-130.	2.9	3
153	A simplified method for estimating the take-off weight for short-haul transports. Aircraft Design, 2000, 3, 49-56.	0.4	2
154	A novel technique towards investigating wall shear stress within the stent struts using particle image velocimetry. Experiments in Fluids, 2021, 62, 1.	1.1	2
155	Wire mesh fences for manipulation of turbulence energy spectrum. Experiments in Fluids, 2021, 62, 1.	1.1	2
156	Investigation of the Effect of Electrode Arrangement on Plasma Actuator Performance. , 2009, , .		1
157	Investigation into the Effect of Electrode Angle on Force Production of a Dielectric Barrier Discharge Plasma Actuator. , 2012, , .		1
158	Techno-economic assessment of the application of small-scale wind turbines. International Journal of Sustainable Energy, 2013, 32, 587-598.	1.3	1
159	A new technique for investigating the induced and profile drag coefficients of a smooth wing and a tubercled wing. EPJ Web of Conferences, 2016, 114, 02150.	0.1	1
160	A Comparison of NACA 0012 and NACA 0021 Self-noise at Low Reynolds Number. Lecture Notes in Mechanical Engineering, 2016, , 21-25.	0.3	1
161	Flow behavior inside a novel rotating fluidized bed for solar gasification of biomass. AIP Conference Proceedings, 2017, , .	0.3	1
162	Energy Concentration by Bluff Bodiesâ€"A Particle Image Velocimetry Investigation. Journal of Fluids Engineering, Transactions of the ASME, 2019, 141, .	0.8	1

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163	Thermal Performance Characteristics of a Microchannel Gas Heater for Solar Heating Applications. Energies, 2021, 14, 7625.	1.6	1
164	Acoustic behaviour of the human maxillary sinus: The importance of the middle meatus and the ostium on resonance frequency behaviour. AIP Conference Proceedings, 2022, , .	0.3	1
165	Stowing strategy for a heliostat field based on wind speed and direction. AIP Conference Proceedings, 2022, , .	0.3	1
166	Filtration of per- and poly-fluoroalkyl from water and recycling of fluorine: a thermochemical equilibrium analysis. Chemical Papers, 2019, 73, 1853-1862.	1.0	0
167	Comparison of turbulent boundary layer energy spectrum analyses for multiple tripping techniques. , 2020, , .		0