

Jorge Luis Parrondo Gayo

List of Publications by Year in descending order

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46
papers

1,004
citations

566801

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46
all docs

46
docs citations

46
times ranked

625
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometry dependence of the acoustic transmission and reflection properties of centrifugal pumps based on an internal lumped parameter model. <i>Applied Acoustics</i> , 2021, 176, 107874.	1.7	0
2	Hydrodynamic self-excited vibrations in leaking spherical valves with annular seal. <i>AEJ - Alexandria Engineering Journal</i> , 2020, 59, 1515-1524.	3.4	11
3	A CFD study on the fluctuating flow field across a parallel triangular array with one tube oscillating transversely. <i>Journal of Fluids and Structures</i> , 2018, 76, 411-430.	1.5	3
4	Experimental Investigation on the Acoustic Scattering Matrix for a Centrifugal Pump. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	0
5	An Experimental Study on the Propagation of the Pressure Fluctuations Induced in a Tube Array under Forced Vibration. <i>Proceedings (mdpi)</i> , 2018, 2, 1501.	0.2	0
6	Effect of the Discharge Piping Scheme on the Pressure Fluctuations Induced from A Laboratory Pump. <i>Proceedings (mdpi)</i> , 2018, 2, 1488.	0.2	0
7	A Computational Study on the Damping-Amplitude Dependence and Estimation of the Limit Cycle Oscillations for Normal Triangular Arrays with One Tube Undergoing Fluidelastic Instability. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	0
8	Vibrations in Leaking Spherical Valves with Annular Seal. <i>Proceedings (mdpi)</i> , 2018, 2, 1444.	0.2	1
9	Analysis of an Attached Sunspace with a Thermal Inertia Floor. <i>Energies</i> , 2018, 11, 1136.	1.6	13
10	CFD modelling of the cross-flow through normal triangular tube arrays with one tube undergoing forced vibrations or fluidelastic instability. <i>Journal of Fluids and Structures</i> , 2016, 64, 67-86.	1.5	37
11	Prediction of pump-circuit interactions by computational fluid dynamics calculations coupled with a one-dimensional acoustic model. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2015, 229, 1172-1181.	1.1	3
12	Waste heat recovery technology in continuous casting process. <i>Clean Technologies and Environmental Policy</i> , 2015, 17, 555-562.	2.1	4
13	District heating from industrial surplus heat in avilÃ©s (spain). <i>Environmental Progress and Sustainable Energy</i> , 2014, 33, 1380-1388.	1.3	2
14	Equivalent Electrical Model and Software Tool for SPICE-Compatible Thermal Simulations of High-Power Resistors. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2014, 4, 859-869.	1.4	0
15	PIV measurements of the unsteady flow structures in a volute centrifugal pump at a high flow rate. <i>Experiments in Fluids</i> , 2014, 55, 1.	1.1	67
16	Effects of the pump-circuit acoustic coupling on the blade-passing frequency perturbations. <i>Applied Acoustics</i> , 2014, 76, 150-156.	1.7	16
17	Influence of Pump-Circuit Coupling on Acoustic Waves in Pipelines and Pump Velocity Fields. , 2013, , .		0
18	Performance characteristics and internal flow patterns in a reverse-running pump-turbine. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2012, 226, 695-708.	1.1	28

#	ARTICLE	IF	CITATIONS
19	Experimental and Numerical Investigation of the Flow in a Micropump Model. , 2012, , .		0
20	A Methodology for Geometry Generation of the Lower Conductive Zone of the Lung Airways and Simulation by Intermediate Boundary Conditions. , 2012, , .		1
21	Waste-to-energy technologies in continuous process industries. Clean Technologies and Environmental Policy, 2012, 14, 29-39.	2.1	38
22	Effects of the Pump-Circuit Acoustic Coupling on the Blade-Passing Frequency Perturbations. , 2011, , .		0
23	Numerical Determination of the Acoustic Impedance of a Centrifugal Pump. , 2011, , .		0
24	Estimation of radial load in centrifugal pumps using computational fluid dynamics. European Journal of Mechanics, B/Fluids, 2011, 30, 316-324.	1.2	72
25	A simple acoustic model to characterize the internal low frequency sound field in centrifugal pumps. Applied Acoustics, 2011, 72, 59-64.	1.7	36
26	Studies of the flow of air in a mixed-flow pump using numerical simulations. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2011, 225, 647-654.	0.8	5
27	Numerical Flow Simulation in a Reciprocating Valveless Micropump With Parallel Geometry Nozzle-Diffuser. , 2011, , .		0
28	Numerical analysis of the unsteady flow in the near-tongue region in a volute-type centrifugal pump for different operating points. Computers and Fluids, 2010, 39, 859-870.	1.3	153
29	Numerical investigation of a centrifugal pump running in reverse mode. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2010, 224, 373-381.	0.8	25
30	Experimental and Numerical Investigation of a Centrifugal Pump Working as a Turbine. , 2009, , .		1
31	The Effect of Impeller Cutback on the Fluid-Dynamic Pulsations and Load at the Blade-Passing Frequency in a Centrifugal Pump. Journal of Fluids Engineering, Transactions of the ASME, 2008, 130, .	0.8	72
32	Numerical Study of the Pulsating Flow at the Tongue Region of a Centrifugal Pump for Several Flow Rates. , 2008, , .		0
33	Study of air and water supply to old ironwork of Teixois-Taramundi (Asturias), Spain. Journal of Hydraulic Research/De Recherches Hydrauliques, 2006, 44, 124-128.	0.7	1
34	Noise transmission through duct divisions in air circuits, considered as three-port acoustic systems. Journal of Sound and Vibration, 2006, 296, 183-194.	2.1	5
35	Steady and Unsteady Radial Forces for a Centrifugal Pump With Impeller to Tongue Gap Variation. Journal of Fluids Engineering, Transactions of the ASME, 2006, 128, 454-462.	0.8	92
36	Fluid-Dynamic Pulsations and Radial Forces in a Centrifugal Pump With Different Impeller Diameters. , 2005, , 1461.		3

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37	Computation of the Unstable Behavior of a Hydraulic Circuit With a Centrifugal Pump Coupled to an Air Pocket. , 2005, , .		0
38	Fluctuaciones de presi3n en bombas centr4fugas. Medidas experimentales de sus efectos est4ticos y din4micos. Ingenier4a Del Agua, 2005, 12, 321.	0.2	1
39	Performance of a centrifugal pump running in inverse mode. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2004, 218, 265-271.	0.8	66
40	Spanish method of visual impact evaluation in wind farms. Renewable and Sustainable Energy Reviews, 2004, 8, 483-491.	8.2	89
41	The Effect of the Operating Point on the Pressure Fluctuations at the Blade Passage Frequency in the Volute of a Centrifugal Pump. Journal of Fluids Engineering, Transactions of the ASME, 2002, 124, 784-790.	0.8	118
42	Ironwork of Teixois-Taramundi (Asturias), Spain. , 2000, , 317-324.		0
43	Development of a predictive maintenance system for a centrifugal pump. Journal of Quality in Maintenance Engineering, 1998, 4, 198-211.	1.0	27
44	FLUIDELASTIC INSTABILITY IN A TUBE ARRAY SUBJECTED TO PARTIAL ADMISSION WATER CROSS-FLOW. Journal of Fluids and Structures, 1997, 11, 159-181.	1.5	4
45	Extension of the Lever & Weaver's unsteady analytical model to the fluidelastic instability of arrays of flexible cylinders. Journal of Wind Engineering and Industrial Aerodynamics, 1993, 49, 177-186.	1.7	0
46	Fluidelastic instability in multispan heat exchanger tube arrays. Journal of Fluids and Structures, 1991, 5, 323-338.	1.5	10