

Joaquín Fernández Francos

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

304
citations

1162367

8
h-index

1058022

14
g-index

23
all docs

23
docs citations

23
times ranked

343
citing authors

#	ARTICLE	IF	CITATIONS
1	Small cross-flow turbine: Design and testing in high blockage conditions. Energy Conversion and Management, 2020, 213, 112863.	4.4	10
2	Water Tunnel to test and characterization of experimental designs of Hydrokinetics Turbines. Workrooms Journal, 2018, 1, .	0.0	0
3	Design of a numerical model of lung by means of a special boundary condition in the truncated branches. International Journal for Numerical Methods in Biomedical Engineering, 2017, 33, e2830.	1.0	25
4	Computational Study of Aqueous Humor Dynamics Assessing the Vault and the Pupil Diameter in Two Posterior-Chamber Phakic Lenses. , 2016, 57, 4625.		22
5	Tidal current energy potential assessment by a two dimensional computational fluid dynamics model: The case of AvilÃ©s port (Spain). Energy Conversion and Management, 2016, 119, 239-245.	4.4	14
6	Obtaining energy from tidal microturbines: A practical example in the NalÃ³n River. Applied Energy, 2016, 183, 100-112.	5.1	20
7	A proposal of a modular hydroKinetic smart grid. , 2016, , .		1
8	Airway model reconstructed from CT images. , 2016, , .		0
9	Particle deposition in healthy and bronchoconstricted lung. , 2016, , .		0
10	A three dimensional in<i>SILICO</i> model for the simulation of inspiratory and expiratory airflow in humans. Engineering Applications of Computational Fluid Mechanics, 2015, 9, 187-198.	1.5	9
11	The use of computational fluid dynamics to estimate fluid residence time and flow hydrodynamics in open digesters of wastewater treatment plants: a case study. Desalination and Water Treatment, 2015, 53, 2613-2622.	1.0	7
12	EvaluaciÃ³n del potencial energÃ©tico de las corrientes de marea en la desembocadura del rÃ­o NalÃ³n (Asturias, EspaÃ±a) mediante simulaciÃ³n de flujo unidimensional. IngenierÃ­a Del Agua, 2015, 19, 31.	0.2	0
13	Design and feasibility study of a microgeneration system to obtain renewable energy from tidal currents. Journal of Renewable and Sustainable Energy, 2014, 6, 033109.	0.8	3
14	Shock losses characterization of ventilation circuits for block caving production levels. Tunnelling and Underground Space Technology, 2014, 41, 88-94.	3.0	19
15	Lighter-than-air particle velocimetry for wind speed profile measurement. Renewable and Sustainable Energy Reviews, 2014, 33, 323-332.	8.2	5
16	Obtaining renewable energy from tidal currents in the Aviles port: New services for citizens. , 2013, , .		1
17	Experimental and Numerical Investigation of the Flow in a Micropump Model. , 2012, , .		0
18	An experimental setup for the study of the steady air flow in a diesel engine chamber. EPJ Web of Conferences, 2012, 25, 01014.	0.1	1

#	ARTICLE	IF	CITATIONS
19	The Effect of Impeller Cutback on the Fluid-Dynamic Pulsations and Load at the Blade-Passing Frequency in a Centrifugal Pump. <i>Journal of Fluids Engineering, Transactions of the ASME</i> , 2008, 130, .	0.8	72
20	Study of air and water supply to old ironwork of Teixois-Taramundi (Asturias), Spain. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2006, 44, 124-128.	0.7	1
21	Noise transmission through duct divisions in air circuits, considered as three-port acoustic systems. <i>Journal of Sound and Vibration</i> , 2006, 296, 183-194.	2.1	5
22	Spanish method of visual impact evaluation in wind farms. <i>Renewable and Sustainable Energy Reviews</i> , 2004, 8, 483-491.	8.2	89
23	Ironwork of Teixois-Taramundi (Asturias), Spain. , 2000, , 317-324.		0