

Tamburrano Paolo

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

36
papers

877
citations

15
h-index

29
g-index

38
ext. papers

1,079
ext. citations

4.7
avg, IF

4.73
L-index

#	Paper	IF	Citations
36	Overview on recent developments in energy storage: Mechanical, electrochemical and hydrogen technologies. <i>Energy Conversion and Management</i> , 2017 , 132, 372-387	10.6	264
35	Experimental and numerical analysis of cavitation in hydraulic proportional directional valves. <i>Energy Conversion and Management</i> , 2014 , 87, 208-219	10.6	66
34	Laminar flame speed correlations for methane, ethane, propane and their mixtures, and natural gas and gasoline for spark-ignition engine simulations. <i>International Journal of Engine Research</i> , 2017 , 18, 951-970	2.7	55
33	Fluid-dynamic design optimization of hydraulic proportional directional valves. <i>Engineering Optimization</i> , 2014 , 46, 1295-1314	2	50
32	Sliding spool design for reducing the actuation forces in direct operated proportional directional valves: Experimental validation. <i>Energy Conversion and Management</i> , 2016 , 119, 399-410	10.6	41
31	Novel, cost-effective configurations of combined power plants for small-scale cogeneration from biomass: Feasibility study and performance optimization. <i>Energy Conversion and Management</i> , 2015 , 97, 111-120	10.6	40
30	Engineering design and prototype development of a full scale ultrasound system for virgin olive oil by means of numerical and experimental analysis. <i>Ultrasonics Sonochemistry</i> , 2017 , 37, 169-181	8.9	39
29	A tri-generation plant fuelled with olive tree pruning residues in Apulia: An energetic and economic analysis. <i>Renewable Energy</i> , 2016 , 89, 411-421	8.1	38
28	The importance of a full 3D fluid dynamic analysis to evaluate the flow forces in a hydraulic directional proportional valve. <i>Engineering Computations</i> , 2014 , 31, 898-922	1.4	34
27	Effects of lubricant oil on particulate emissions from port-fuel and direct-injection spark-ignition engines. <i>International Journal of Engine Research</i> , 2017 , 18, 606-620	2.7	28
26	A Review of Direct Drive Proportional Electrohydraulic Spool Valves: Industrial State-of-the-Art and Research Advancements. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2019 , 141,	1.6	21
25	Novel, cost-effective configurations of combined power plants for small-scale cogeneration from biomass: Design of the immersed particle heat exchanger. <i>Energy Conversion and Management</i> , 2017 , 148, 876-894	10.6	21
24	A biomass small-scale externally fired combined cycle plant for heat and power generation in rural communities. <i>Renewable Energy Focus</i> , 2019 , 28, 36-46	5.4	18
23	Measured and Predicted Soot Particle Emissions from Natural Gas Engines 2015 ,		16
22	A review of electro-hydraulic servovalve research and development. <i>International Journal of Fluid Power</i> , 2018 , 1-23		16
21	Optical device for measuring the injectors opening in common rail systems. <i>International Journal of Automotive Technology</i> , 2017 , 18, 729-742	1.6	14
20	Full simulation of a piezoelectric double nozzle flapper pilot valve coupled with a main stage spool valve. <i>Energy Procedia</i> , 2018 , 148, 487-494	2.3	13

19	Thermodynamic analysis of small-scale externally fired gas turbines and combined cycles using turbo-compound components for energy generation from solid biomass. <i>Energy Conversion and Management</i> , 2018 , 166, 648-662	10.6	12
18	Analysis of the combustion process in a lean-burning turbulent jet ignition engine fueled with methane. <i>Energy Conversion and Management</i> , 2020 , 223, 113257	10.6	12
17	Towards the Development of the In-Cylinder Pressure Measurement Based on the Strain Gauge Technique for Internal Combustion Engines 2015 ,		11
16	Thrust Control of Small Turbojet Engines Using Fuzzy Logic: Design and Experimental Validation. <i>Journal of Engineering for Gas Turbines and Power</i> , 2012 , 134,	1.7	10
15	A Novel Servovalve Pilot Stage Actuated by a Piezo-Electric Ring Bender (Part II): Design Model and Full Simulation. <i>Energies</i> , 2020 , 13, 2267	3.1	9
14	High Temperature Gas-to-Gas Heat Exchanger Based on a Solid Intermediate Medium. <i>Advances in Mechanical Engineering</i> , 2014 , 6, 353586	1.2	9
13	A Novel Servovalve Pilot Stage Actuated by a Piezo-electric Ring Bender: A Numerical and Experimental Analysis. <i>Energies</i> , 2020 , 13, 671	3.1	8
12	Experimental Investigations on the Sources of Particulate Emission within a Natural Gas Spark-Ignition Engine 2017 ,		7
11	Evolution of Soot Particle Number, Mass and Size Distribution along the Exhaust Line of a Heavy-Duty Engine Fueled with Compressed Natural Gas. <i>Energies</i> , 2020 , 13, 3993	3.1	7
10	Experimental and Numerical Analysis of a Pre-Chamber Turbulent Jet Ignition Combustion System		5
9	Tangential inlet cyclone separators with low solid loading. <i>Engineering Computations</i> , 2016 , 33, 2090-2116	1.4	4
8	Internal leakage in the main stage of servovalves: An analytical and CFD analysis 2019 ,		3
7	Thrust Control of Small Turbojet Engines Using Fuzzy Logic: Design and Experimental Validation 2012 ,		2
6	An Adaptive Fuzzy Logic Algorithm for the Thrust Control of a Small Turbojet Engine 2010 ,		1
5	Direct Drive Servovalves Actuated by Amplified Piezo-Stacks: Assessment through a Detailed Numerical Analysis. <i>Actuators</i> , 2021 , 10, 156	2.4	1
4	A Review of Novel Architectures of Servovalves Driven by Piezoelectric Actuators. <i>Energies</i> , 2021 , 14, 4858	3.1	1
3	Validation of a Simulink Model for Simulating the Two Typical Controlled Ventilation Modes of Intensive Care Units Mechanical Ventilators. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2057	2.6	1
2	An Explicit, Non-Iterative, Single Equation Formulation for an Accurate One Dimensional Estimation of Vaneless Radial Diffusers in Turbomachines. <i>Journal of Mechanics</i> , 2015 , 31, 113-122	1	0

- 1 Simulation of a high frequency on/off valve actuated by a piezo-ring stack for digital hydraulics. *E3S Web of Conferences*, **2021**, 312, 05008 0.5 0