

Stefano Frigo

List of Publications by Year in Descending Order

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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.

28
papers

540
citations

9
h-index

23
g-index

33
ext. papers

747
ext. citations

5.8
avg, IF

4.28
L-index

#	Paper	IF	Citations
28	Numerical analysis of bio-methane production from biomass-sewage sludge oxy-steam gasification and methanation process. <i>Applied Energy</i> , 2022 , 307, 118292	10.7	2
27	Oxy-steam co-gasification of sewage sludge and woody biomass for bio-methane production: an experimental and numerical approach. <i>E3S Web of Conferences</i> , 2021 , 238, 01006	0.5	2
26	Life Cycle Assessment of Substitute Natural Gas production from biomass and electrolytic hydrogen. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 35974-35974	6.7	7
25	Utilisation of advanced biofuel in CI internal combustion engine. <i>Fuel</i> , 2021 , 297, 120742	7.1	2
24	Co-gasification of woody biomass with organic and waste matrices in a down-draft gasifier: An experimental and modeling approach. <i>Energy Conversion and Management</i> , 2021 , 245, 114566	10.6	4
23	One-Pot Alcoholysis of the Lignocellulosic Eucalyptus nitens Biomass to n-Butyl Levulinate, a Valuable Additive for Diesel Motor Fuel. <i>Catalysts</i> , 2020 , 10, 509	4	15
22	Bio-additives for CI engines from one-pot alcoholysis reaction of lignocellulosic biomass: an experimental activity. <i>E3S Web of Conferences</i> , 2020 , 197, 08005	0.5	0
21	Statistical evaluation of the effect of water percentage in water-diesel emulsion on the engine performance and exhaust emission parameters. <i>Energy</i> , 2019 , 180, 797-806	7.9	12
20	From biomass and electrolytic hydrogen to substitute natural gas and power: The issue of intermediate gas storages. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 21045-21054	6.7	5
19	Energetic and exergetic analysis of an innovative plant for the production of electricity and substitute natural gas. <i>Energy Procedia</i> , 2018 , 148, 312-319	2.3	4
18	Feasibility study of a CHP plant with steam turbine and biomass gasification for tissue paper production. <i>Energy Procedia</i> , 2018 , 148, 751-757	2.3	6
17	Performance evaluation of a medium size diesel vehicle equipped with different electric-turbo compound layouts. <i>IET Electrical Systems in Transportation</i> , 2018 , 8, 71-79	2.1	0
16	Development of a new steady state zero-dimensional simulation model for woody biomass gasification in a full scale plant. <i>Energy Conversion and Management</i> , 2016 , 120, 358-369	10.6	44
15	Evaluation of an electric turbo compound system for SI engines: A numerical approach. <i>Applied Energy</i> , 2016 , 162, 527-540	10.7	41
14	Mathematical modelling and energy performance assessment of air impingement drying systems for the production of tissue paper. <i>Energy</i> , 2016 , 114, 201-213	7.9	10
13	Hydrogen generation system for ammonia-hydrogen fuelled internal combustion engines. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 10673-10686	6.7	82
12	Numerical Comparison of an Electric Turbo Compound Applied to a SI and a CI Engine 2015 ,		2

11	Numerical Evaluation of an Electric Turbo Compound for SI Engines 2014 ,		5
10	Further Insight into the Possibility to Fuel a SI Engine with Ammonia plus Hydrogen 2014 ,		9
9	Liquid fuel production from waste tyre pyrolysis and its utilisation in a Diesel engine. <i>Fuel</i> , 2014 , 116, 399-408	7.1	131
8	Analysis of the behaviour of a 4-stroke Si engine fuelled with ammonia and hydrogen. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 1607-1615	6.7	112
7	Simultaneous Reduction of Soot and NOX Emissions by Means of the HCPC Concept: Complying with the Heavy Duty EURO 6 Limits without Aftertreatment System 2013 ,		2
6	Experimental Results Using Ammonia Plus Hydrogen in a S.I. Engine. <i>Lecture Notes in Electrical Engineering</i> , 2013 , 65-76	0.2	
5	Ammonia Plus Hydrogen as Fuel in a S.I. Engine: Experimental Results 2012 ,		17
4	A Hybrid Vehicle Powered by Hydrogen and Ammonia 2012 ,		8
3	Evolution of a Small Two-Stroke Engine with Direct Liquid Injection and Stratified Charge 2006 ,		7
2	Behaviour of a Small Two-Stroke Engine with Direct Liquid Injection and Stratified Charge 2004 ,		2
1	Experimental Study on ATAC (Active Thermo-Atmosphere Combustion) in a Two-Stroke Gasoline Engine 1997 ,		8