

Pietro Paolo Morrone

List of Publications by Year in descending order

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31
papers

854
citations

516710

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501196

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31
all docs

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docs citations

31
times ranked

695
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative energetic analysis of high-temperature subcritical and transcritical Organic Rankine Cycle (ORC). A biomass application in the Sibari district. <i>Applied Thermal Engineering</i> , 2012, 36, 236-244.	6.0	105
2	Energetic analysis of biomass-fired ORC systems for micro-scale combined heat and power (CHP) generation. A possible application to the Italian residential sector. <i>Applied Thermal Engineering</i> , 2014, 71, 751-759.	6.0	77
3	Numerical simulations on Oxy-MILD combustion of pulverized coal in an industrial boiler. <i>Fuel Processing Technology</i> , 2018, 181, 361-374.	7.2	73
4	Integrated gasification gas combined cycle plant with membrane reactors: Technological and economical analysis. <i>Energy Conversion and Management</i> , 2007, 48, 2680-2693.	9.2	72
5	H ₂ production by low pressure methanol steam reforming in a dense Pd/Ag membrane reactor in co-current flow configuration: Experimental and modeling analysis. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 16685-16697.	7.1	60
6	Hybridisation of biomass and concentrated solar power systems in transcritical organic Rankine cycles: A micro combined heat and power application. <i>Energy Conversion and Management</i> , 2019, 180, 757-768.	9.2	53
7	A simulation study on methanol steam reforming in the silica membrane reactor for hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 3909-3918.	7.1	43
8	Numerical evaluation of the energetic performances of structured and random packed beds in regenerative thermal oxidizers. <i>Applied Thermal Engineering</i> , 2007, 27, 762-770.	6.0	38
9	H ₂ production in silica membrane reactor via methanol steam reforming: Modeling and HAZOP analysis. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 10315-10326.	7.1	37
10	Techno-economic Analysis of Biomass-fired ORC Systems for Single-family Combined Heat and Power (CHP) Applications. <i>Energy Procedia</i> , 2014, 45, 1285-1294.	1.8	37
11	Evaluation of silica membrane reactor performance for hydrogen production via methanol steam reforming: Modeling study. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 16698-16709.	7.1	35
12	Thermo-economic investigation of solar-biomass hybrid cogeneration systems based on small-scale transcritical organic Rankine cycles. <i>Applied Thermal Engineering</i> , 2022, 210, 118312.	6.0	27
13	Modeling study of silica membrane performance for hydrogen separation. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2015, 10, 781-790.	1.5	22
14	Application of a Model-Based Controller for Improving Internal Combustion Engines Fuel Economy. <i>Energies</i> , 2020, 13, 1148.	3.1	19
15	Integrated Geothermal Energy Systems for Small-Scale Combined Heat and Power Production: Energy and Economic Investigation. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6639.	2.5	18
16	Hybrid biomass and natural gas combined cycles: Energy analysis and comparison between different plant configurations. <i>Energy Conversion and Management</i> , 2022, 267, 115874.	9.2	18
17	Energy analysis of Organic Rankine Cycles for biomass applications. <i>Thermal Science</i> , 2015, 19, 193-205.	1.1	17
18	Techno-Economic Analysis of Biofuel, Solar and Wind Multi-Source Small-Scale CHP Systems. <i>Energies</i> , 2020, 13, 3002.	3.1	17

#	ARTICLE	IF	CITATIONS
19	Energy Efficiency Analysis of Monolith and Pellet Emission Control Systems in Unidirectional and Reverse-Flow Designs. SAE International Journal of Engines, 2009, 2, 684-693.	0.4	15
20	Numerical investigation on the energetic performances of conventional and pellet aftertreatment systems in flow-through and reverse-flow designs. Thermal Science, 2011, 15, 1049-1064.	1.1	11
21	Modeling Process Characteristics and Performance of Fixed and Fluidized Bed Regenerative Thermal Oxidizer. Industrial & Engineering Chemistry Research, 2006, 45, 4782-4790.	3.7	10
22	Energy and Economic Investigation of a Biodiesel-Fired Engine for Micro-Scale Cogeneration. Energies, 2021, 14, 496.	3.1	10
23	Integration of biodiesel internal combustion engines and transcritical organic Rankine cycles for waste heat recovery in small scale applications. International Journal of Energy Research, 2022, 46, 5235-5249.	4.5	10
24	The influence of rotary valve distribution systems on the energetic efficiency of regenerative thermal oxidizers (RTO). International Journal of Energy Research, 2008, 32, 24-34.	4.5	9
25	A numerical analysis of energetic performances of active and passive aftertreatment systems. International Journal of Energy Research, 2009, 33, 696-708.	4.5	6
26	Biomass Exploitation in Efficient ORC Systems. Applied Mechanics and Materials, 2012, 260-261, 77-82.	0.2	5
27	Energetic Analysis of the Performances of Innovative Aftertreatment Systems. , 2009, , .		3
28	A Comparative Energetic Analysis of Active and Passive Emission Control Systems Adopting Standard Emission Test Cycles. Modelling and Simulation in Engineering, 2012, 2012, 1-8.	0.7	3
29	A Comparative Analysis of Active and Passive Emission Control Systems Adopting Standard Emission Test Cycles. , 0, , .		2
30	Development of a Lumped Model for the Characterisation of the Intake Phase in Spark-ignition Internal Combustion Engines. Energy Procedia, 2016, 101, 590-597.	1.8	1
31	Residential cogeneration and trigeneration. , 2020, , 141-175.		1