

Pietro Paolo Morrone

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

854
citations

516710

16
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

695
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Thermo-economic investigation of solar-biomass hybrid cogeneration systems based on small-scale transcritical organic Rankine cycles. Applied Thermal Engineering, 2022, 210, 118312.	6.0	27
3	Hybrid biomass and natural gas combined cycles: Energy analysis and comparison between different plant configurations. Energy Conversion and Management, 2022, 267, 115874.	9.2	18
4	Energy and Economic Investigation of a Biodiesel-Fired Engine for Micro-Scale Cogeneration. Energies, 2021, 14, 496.	3.1	10
5	Integrated Geothermal Energy Systems for Small-Scale Combined Heat and Power Production: Energy and Economic Investigation. Applied Sciences (Switzerland), 2020, 10, 6639.	2.5	18
6	Application of a Model-Based Controller for Improving Internal Combustion Engines Fuel Economy. Energies, 2020, 13, 1148.	3.1	19
7	Techno-Economic Analysis of Biofuel, Solar and Wind Multi-Source Small-Scale CHP Systems. Energies, 2020, 13, 3002.	3.1	17
8	Residential cogeneration and trigeneration. , 2020, , 141-175.		1
9	Hybridisation of biomass and concentrated solar power systems in transcritical organic Rankine cycles: A micro combined heat and power application. Energy Conversion and Management, 2019, 180, 757-768.	9.2	53
10	Numerical simulations on Oxy-MILD combustion of pulverized coal in an industrial boiler. Fuel Processing Technology, 2018, 181, 361-374.	7.2	73
11	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
12	Modeling study of silica membrane performance for hydrogen separation. Asia-Pacific Journal of Chemical Engineering, 2015, 10, 781-790.	1.5	22
13	Energy analysis of Organic Rankine Cycles for biomass applications. Thermal Science, 2015, 19, 193-205.	1.1	17
14	A simulation study on methanol steam reforming in the silica membrane reactor for hydrogen production. International Journal of Hydrogen Energy, 2015, 40, 3909-3918.	7.1	43
15	Techno-economic Analysis of Biomass-fired ORC Systems for Single-family Combined Heat and Power (CHP) Applications. Energy Procedia, 2014, 45, 1285-1294.	1.8	37
16	Energetic analysis of biomass-fired ORC systems for micro-scale combined heat and power (CHP) generation. A possible application to the Italian residential sector. Applied Thermal Engineering, 2014, 71, 751-759.	6.0	77
17	Evaluation of silica membrane reactor performance for hydrogen production via methanol steam reforming: Modeling study. International Journal of Hydrogen Energy, 2013, 38, 16698-16709.	7.1	35
18	H2 production in silica membrane reactor via methanol steam reforming: Modeling and HAZOP analysis. International Journal of Hydrogen Energy, 2013, 38, 10315-10326.	7.1	37

#	ARTICLE	IF	CITATIONS
19	H2 production by low pressure methanol steam reforming in a dense Pd/Ag membrane reactor in co-current flow configuration: Experimental and modeling analysis. International Journal of Hydrogen Energy, 2013, 38, 16685-16697.	7.1	60
20	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
21	Biomass Exploitation in Efficient ORC Systems. Applied Mechanics and Materials, 2012, 260-261, 77-82.	0.2	5
22	Comparative energetic analysis of high-temperature subcritical and transcritical Organic Rankine Cycle (ORC). A biomass application in the Sibari district. Applied Thermal Engineering, 2012, 36, 236-244.	6.0	105
23	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
24	Energetic Analysis of the Performances of Innovative Aftertreatment Systems. , 2009, , .		3
25	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
26	A numerical analysis of energetic performances of active and passive aftertreatment systems. International Journal of Energy Research, 2009, 33, 696-708.	4.5	6
27	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
28	Integrated gasification gas combined cycle plant with membrane reactors: Technological and economical analysis. Energy Conversion and Management, 2007, 48, 2680-2693.	9.2	72
29	Numerical evaluation of the energetic performances of structured and random packed beds in regenerative thermal oxidizers. Applied Thermal Engineering, 2007, 27, 762-770.	6.0	38
30	Modeling Process Characteristics and Performance of Fixed and Fluidized Bed Regenerative Thermal Oxidizer. Industrial & Engineering Chemistry Research, 2006, 45, 4782-4790.	3.7	10
31	A Comparative Analysis of Active and Passive Emission Control Systems Adopting Standard Emission Test Cycles. , 0, , .		2