

Raffaello Cozzolino

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,102
citations

393982

19
h-index

454577

30
g-index

35
all docs

35
docs citations

35
times ranked

1013
citing authors

#	ARTICLE	IF	CITATIONS
1	Indoor air quality improvement in COVID-19 pandemic: Review. <i>Sustainable Cities and Society</i> , 2021, 70, 102942.	5.1	156
2	Comparative environmental assessment of conventional, electric, hybrid, and fuel cell powertrains based on LCA. <i>International Journal of Life Cycle Assessment</i> , 2017, 22, 1989-2006.	2.2	98
3	Energy management of a plug-in fuel cell/battery hybrid vehicle with on-board fuel processing. <i>Applied Energy</i> , 2016, 184, 140-154.	5.1	82
4	Power management of a hybrid renewable system for artificial islands: A case study. <i>Energy</i> , 2016, 106, 774-789.	4.5	80
5	Techno-economic analysis of a stand-alone microgrid for a commercial building in eight different climate zones. <i>Energy Conversion and Management</i> , 2019, 179, 58-71.	4.4	58
6	Theoretical and experimental investigations on thermal management of a PEMFC stack. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 8030-8037.	3.8	57
7	3D CFD modeling and experimental characterization of HT PEM fuel cells at different anode gas compositions. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 21663-21672.	3.8	55
8	Thermodynamic performance assessment of a small size CCHP (combined cooling heating and power) system with numerical models. <i>Energy</i> , 2014, 65, 240-249.	4.5	44
9	Use of biogas from biowaste in a solid oxide fuel cell stack: Application to an off-grid power plant. <i>Renewable Energy</i> , 2017, 111, 781-791.	4.3	42
10	Energy and exergy analysis of cold and power production from the geothermal reservoir of Torre Alfina. <i>Energy</i> , 2019, 180, 807-818.	4.5	40
11	Energetic and exergetic performance evaluation of a solar cooling and heating system assisted with thermal storage. <i>Energy</i> , 2019, 176, 816-829.	4.5	35
12	Thermodynamic Performance Assessment of a Novel Micro-CCHP System Based on a Low Temperature PEMFC Power Unit and a Half-Effect Li/Br Absorption Chiller. <i>Energies</i> , 2018, 11, 315.	1.6	33
13	Energy Management of an Off-Grid Hybrid Power Plant with Multiple Energy Storage Systems. <i>Energies</i> , 2016, 9, 661.	1.6	32
14	Energy, exergy, and cost comparison of Goswami cycle and cascade organic Rankine cycle/absorption chiller system for geothermal application. <i>Energy Conversion and Management</i> , 2021, 227, 113598.	4.4	32
15	A Systematic Review on Indoor Environmental Quality in Naturally Ventilated School Classrooms: A Way Forward. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-19.	0.4	28
16	Performance Augmentation of the Flat Plate Solar Thermal Collector: A Review. <i>Energies</i> , 2021, 14, 6203.	1.6	28
17	Performance evaluation of a fuel processing system based on membrane reactors technology integrated with a PEMFC stack. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 9906-9915.	3.8	26
18	Experimental characterisation of a novel thermal energy storage based on open-cell copper foams immersed in organic phase change material. <i>Energy Conversion and Management</i> , 2019, 200, 112101.	4.4	24

#	ARTICLE	IF	CITATIONS
19	Thermo-Hydraulic Performance Characteristics and Optimization of Protrusion Rib Roughness in Solar Air Heater. <i>Energies</i> , 2021, 14, 3159.	1.6	24
20	Estimation of Carbon Footprint of Residential Building in Warm Humid Climate of India through BIM. <i>Energies</i> , 2021, 14, 4237.	1.6	24
21	Life Cycle Assessment of a stand-alone solar-based polygeneration power plant for a commercial building in different climate zones. <i>Renewable Energy</i> , 2020, 154, 1132-1143.	4.3	18
22	Ecological Footprint of Residential Buildings in Composite Climate of Indiaâ€”A Case Study. <i>Sustainability</i> , 2021, 13, 11949.	1.6	16
23	Optimal control of a repowered vehicle: Plug-in fuel cell against plug-in hybrid electric powertrain. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	12
24	A biogas-solar based hybrid off-grid power plant with multiple storages for United States commercial buildings. <i>Renewable Energy</i> , 2021, 179, 705-722.	4.3	11
25	Environmental and economic life cycle assessment of thermal energy storage based on organic phase change material embedded in open-cell copper foams. <i>Sustainable Production and Consumption</i> , 2022, 29, 387-405.	5.7	11
26	A Descriptive Review to Access the Most Suitable Ribâ€™s Configuration of Roughness for the Maximum Performance of Solar Air Heater. <i>Energies</i> , 2022, 15, 2800.	1.6	9
27	Technical Assessment of Different Operating Conditions of an On-Board Autothermal Reformer for Fuel Cell Vehicles. <i>Energies</i> , 2017, 10, 839.	1.6	8
28	Off-grid PV/URFC power plant fueled with biogas from food waste: An energetic and economic analysis. <i>Energy</i> , 2021, 219, 119537.	4.5	7
29	On-board diesel autothermal reforming for PEM fuel cells: Simulation and optimization. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	6
30	Influence of Fuel Type on the Pperformance of a Plug-In Fuel Cell/Battery Hybrid Vehicle with On-Board Fuel Processing. , 0, , .		3
31	A numerical model for CO effect evaluation in HT-PEMFCs: Part 2 - Application to different membranes. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
32	A numerical model for CO effect evaluation in HT-PEMFCs: Part 1 - Experimental validation. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
33	Higher Order Accurate Transient Numerical Model to Evaluate the Natural Convection Heat Transfer in Flat Plate Solar Collector. <i>Processes</i> , 2021, 9, 1508.	1.3	1
34	Virtual Academic Teaching for Next Generation Engineers. , 2014, , .		0
35	Exergoeconomic analysis of Goswami cycle to exploit medium temperature heat from a geothermal site. , 2022, , .		0