

Orazio Barbera

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

450
citations

759233

12
h-index

794594

19
g-index

21
all docs

21
docs citations

21
times ranked

577
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the bolt torque on PEFC performance with different gasket materials. International Journal of Hydrogen Energy, 2011, 36, 13043-13050.	7.1	57
2	Cost Analysis of Direct Methanol Fuel Cell Stacks for Mass Production. Energies, 2016, 9, 1008.	3.1	54
3	Simple and functional direct methanol fuel cell stack designs for application in portable and auxiliary power units. International Journal of Hydrogen Energy, 2016, 41, 12320-12329.	7.1	39
4	Effect of operative conditions on a PEFC stack performance. International Journal of Hydrogen Energy, 2008, 33, 3137-3141.	7.1	38
5	Design of a biogas steam reforming reactor: A modelling and experimental approach. International Journal of Hydrogen Energy, 2016, 41, 11577-11583.	7.1	33
6	Polymer electrolyte fuel cell stack research and development. International Journal of Hydrogen Energy, 2008, 33, 1941-1946.	7.1	32
7	2â€kw Modular PEM fuel cell stack for space applications: Development and test for operation under relevant conditions. Applied Energy, 2019, 242, 1683-1696.	10.1	31
8	1.5âkWe HT-PEFC stack with composite MEA for CHP application. International Journal of Hydrogen Energy, 2013, 38, 11619-11627.	7.1	23
9	Thermal study of a SOFC system integration in a fuselage of a hybrid electric mini UAV. International Journal of Hydrogen Energy, 2017, 42, 28022-28033.	7.1	23
10	Design and development of a 7kW polymer electrolyte membrane fuel cell stack for UPS application. International Journal of Hydrogen Energy, 2010, 35, 9983-9989.	7.1	21
11	Polymer electrolyte fuel cell mini power unit for portable application. Journal of Power Sources, 2007, 169, 334-337.	7.8	18
12	Innovative zeolite coatings on graphite plates for advanced adsorbers. Applied Thermal Engineering, 2014, 72, 153-159.	6.0	15
13	CFD analysis of the flow-field scale-up influence on the electrodes performance in a PEFC. Journal of Power Sources, 2005, 152, 67-74.	7.8	12
14	Direct methanol fuel cell stack for auxiliary power units applications based on fumapem® F-1850 membrane. International Journal of Hydrogen Energy, 2017, 42, 26889-26896.	7.1	12
15	Computer aided fuel cell design and scale-up, comparison between model and experimental results. Journal of Applied Electrochemistry, 2006, 37, 87-93.	2.9	11
16	Energy and provision management study: A research activity on fuel cell design and breadboarding for lunar surface applications supported by European Space Agency. International Journal of Hydrogen Energy, 2014, 39, 14079-14096.	7.1	10
17	Stack Operation Using Composite Membrane-Electrodes Assemblies at 120fÂ,Â,Â°C. Journal of Fuel Cell Science and Technology, 2012, 9, .	0.8	7
18	Water Splitting with Enhanced Efficiency Using a Nickel-Based Co-Catalyst at a Cupric Oxide Photocathode. Catalysts, 2021, 11, 1363.	3.5	7

#	ARTICLE	IF	CITATIONS
19	Polymer Electrolyte Fuel Cell Stacks at CNR-ITAE: State of the Art. Journal of Fuel Cell Science and Technology, 2007, 4, 350-356.	0.8	5
20	Direct Methanol Fuel Cell Stack Design and Test in the Framework of DURAMET Project. Advances in Science and Technology, 0, , .	0.2	2
21	Stack and bipolar plates design for direct methanol fuel cells. , 2020, , 341-376.		0