

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	Water Splitting with Enhanced Efficiency Using a Nickel-Based Co-Catalyst at a Cupric Oxide Photocathode. <i>Catalysts</i> , 2021, 11, 1363.	3.5	7
2	Stack and bipolar plates design for direct methanol fuel cells. , 2020, , 341-376.		0
3	2â€kw Modular PEM fuel cell stack for space applications: Development and test for operation under relevant conditions. <i>Applied Energy</i> , 2019, 242, 1683-1696.	10.1	31
4	Thermal study of a SOFC system integration in a fuselage of a hybrid electric mini UAV. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 28022-28033.	7.1	23
5	Direct methanol fuel cell stack for auxiliary power units applications based on fumapem® F-1850 membrane. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 26889-26896.	7.1	12
6	Cost Analysis of Direct Methanol Fuel Cell Stacks for Mass Production. <i>Energies</i> , 2016, 9, 1008.	3.1	54
7	Simple and functional direct methanol fuel cell stack designs for application in portable and auxiliary power units. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 12320-12329.	7.1	39
8	Design of a biogas steam reforming reactor: A modelling and experimental approach. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 11577-11583.	7.1	33
9	Innovative zeolite coatings on graphite plates for advanced adsorbers. <i>Applied Thermal Engineering</i> , 2014, 72, 153-159.	6.0	15
10	Energy and provision management study: A research activity on fuel cell design and breadboarding for lunar surface applications supported by European Space Agency. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 14079-14096.	7.1	10
11	1.5ÂkWe HT-PEFC stack with composite MEA for CHP application. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 11619-11627.	7.1	23
12	Stack Operation Using Composite Membrane-Electrodes Assemblies at 120ÃfÃ,Ã,Ã°C. <i>Journal of Fuel Cell Science and Technology</i> , 2012, 9, .	0.8	7
13	Influence of the bolt torque on PEFC performance with different gasket materials. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 13043-13050.	7.1	57
14	Design and development of a 7kW polymer electrolyte membrane fuel cell stack for UPS application. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 9983-9989.	7.1	21
15	Effect of operative conditions on a PEFC stack performance. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 3137-3141.	7.1	38
16	Polymer electrolyte fuel cell stack research and development. <i>International Journal of Hydrogen Energy</i> , 2008, 33, 1941-1946.	7.1	32
17	Polymer Electrolyte Fuel Cell Stacks at CNR-ITAE: State of the Art. <i>Journal of Fuel Cell Science and Technology</i> , 2007, 4, 350-356.	0.8	5
18	Polymer electrolyte fuel cell mini power unit for portable application. <i>Journal of Power Sources</i> , 2007, 169, 334-337.	7.8	18

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Direct Methanol Fuel Cell Stack Design and Test in the Framework of DURAMET Project. Advances in Science and Technology, 0, , .	0.2	2