

Fortunato Migliardini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2688928/publications.pdf>

Version: 2024-02-01

44
papers

1,228
citations

361413

20
h-index

377865

34
g-index

45
all docs

45
docs citations

45
times ranked

1138
citing authors

#	ARTICLE	IF	CITATIONS
1	Aluminum-Air Batteries with Solid Hydrogel Electrolytes: Effect of pH Upon Cell Performance. <i>Analytical Letters</i> , 2021, 54, 28-39.	1.8	13
2	Dual solid electrolytes for aluminium-air batteries based on polyvinyl alcohol acidic membranes and neutral hydrogels. <i>Journal of Solid State Electrochemistry</i> , 2021, 25, 1207-1216.	2.5	21
3	Cell voltage analysis of a 6 kW polymeric electrolyte fuel cell stack designed for hybrid power systems. <i>Materials Today: Proceedings</i> , 2019, 10, 393-399.	1.8	7
4	Physically cross-linked xanthan hydrogels as solid electrolytes for Al/air batteries. <i>Ionics</i> , 2019, 25, 4209-4217.	2.4	30
5	Solid and acid electrolytes for Al-air batteries based on xanthan-HCl hydrogels. <i>Journal of Solid State Electrochemistry</i> , 2018, 22, 2901-2916.	2.5	26
6	Xanthan and $\hat{\text{I}}^{\text{e}}$ -carrageenan based alkaline hydrogels as electrolytes for Al/air batteries. <i>Carbohydrate Polymers</i> , 2017, 157, 122-127.	10.2	86
7	Hydrogen purge and reactant feeding strategies in self-humidified PEM fuel cell systems. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 1758-1765.	7.1	50
8	Study and Development of a Complete System for Recovery, Recycle, and Disposal of Refrigerant Gas from Existent Plants. <i>Journal of Engineering (United States)</i> , 2017, 2017, 1-9.	1.0	2
9	MFI and FAU-Type Zeolites as Trapping Materials for Light Hydrocarbons Emission Control at Low Partial Pressure and High Temperature. <i>Journal of Chemistry</i> , 2015, 2015, 1-11.	1.9	12
10	Experimental comparison between external and internal humidification in proton exchange membrane fuel cells for road vehicles. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 5916-5927.	7.1	34
11	Biomimetic CO ₂ capture using a highly thermostable bacterial $\hat{\text{I}}^{\text{e}}$ -carbonic anhydrase immobilized on a polyurethane foam. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014, 29, 146-150.	5.2	131
12	Optimization of hydrogen feeding procedure in PEM fuel cell systems for transportation. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 21746-21752.	7.1	22
13	Overview of electric propulsion and generation architectures for naval applications. , 2012, , .		21
14	Experimental performance assessment of Pb, Li[NiCoMn]O ₂ and LiFePO ₄ batteries for road vehicles. , 2012, , .		8
15	Management issues of direct hydrogen Fuel Cell Systems for application in automotive field. , 2012, , .		0
16	Optimization of fuel cell performance in vehicles by electrochemical impedance spectroscopy. , 2012, , .		0
17	ZEBRA battery based propulsion system for urban bus applications: Preliminary laboratory tests. , 2012, , .		7
18	Interaction between membrane humidifier and air supply system for application of fuel cells in vehicles. <i>Journal of Industrial and Engineering Chemistry</i> , 2012, 18, 1945-1950.	5.8	2

#	ARTICLE	IF	CITATIONS
19	Case Study A: Fuel Cell Power Train for Mopeds. <i>Green Energy and Technology</i> , 2011, , 167-198.	0.6	0
20	Design of Hydrogen Fuel Cell Systems for Road Vehicles. <i>Green Energy and Technology</i> , 2011, , 103-130.	0.6	1
21	Dynamic behaviour of Li batteries in hydrogen fuel cell power trains. <i>Journal of Power Sources</i> , 2011, 196, 9081-9086.	7.8	20
22	Hydrogen and proton exchange membrane fuel cells for clean road transportation. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 633-641.	5.8	17
23	Hydrogen Fuel Cells for Road Vehicles. <i>Green Energy and Technology</i> , 2011, , .	0.6	23
24	Fuel Cells for Automotive Applications. <i>Green Energy and Technology</i> , 2011, , 71-102.	0.6	1
25	Lithium polymer batteries and proton exchange membrane fuel cells as energy sources in hydrogen electric vehicles. <i>Journal of Power Sources</i> , 2010, 195, 7849-7854.	7.8	22
26	Natural gas and biofuel as feedstock for hydrogen production on Ni catalysts. <i>Journal of Natural Gas Chemistry</i> , 2009, 18, 9-14.	1.8	14
27	Hydrogen release properties of lithium alanate for application to fuel cell propulsion systems. <i>Journal of Power Sources</i> , 2009, 193, 285-291.	7.8	5
28	PEFC stacks as power sources for hybrid propulsion systems. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 4635-4644.	7.1	32
29	Dynamic behaviour of hydrogen fuel cells for automotive application. <i>Renewable Energy</i> , 2009, 34, 1955-1961.	8.9	55
30	An experimental study of a PEM fuel cell power train for urban bus application. <i>Journal of Power Sources</i> , 2008, 181, 363-370.	7.8	46
31	Experimental analysis of a 20kWe PEM fuel cell system in dynamic conditions representative of automotive applications. <i>Energy Conversion and Management</i> , 2008, 49, 2688-2697.	9.2	61
32	Hydrogen production by catalytic partial oxidation of methane and propane on Ni and Pt catalysts. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 55-66.	7.1	110
33	Performance investigation of 2.4kW PEM fuel cell stack in vehicles. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 4340-4349.	7.1	77
34	Experimental analysis and management issues of a hydrogen fuel cell system for stationary and mobile application. <i>Energy Conversion and Management</i> , 2007, 48, 2365-2374.	9.2	78
35	Experimental assessment of energy-management strategies in fuel-cell propulsion systems. <i>Journal of Power Sources</i> , 2006, 157, 799-808.	7.8	52
36	Energy management in fuel cell power trains. <i>Energy Conversion and Management</i> , 2006, 47, 3255-3271.	9.2	32

#	ARTICLE	IF	CITATIONS
37	Experimental study of a fuel cell power train for road transport application. Journal of Power Sources, 2005, 145, 610-619.	7.8	56
38	Zeolite-Based Adsorbers for Reducing Light Hydrocarbon Emissions from Engine Exhaust. Separation Science and Technology, 2005, 39, 1547-1561.	2.5	7
39	Abatement of automotive cold start hydrocarbon emissions. , 2001, , .		2
40	Potentialities and limitations of lean de-NOx catalysts in reducing automotive exhaust emissions. Catalysis Today, 2000, 59, 279-286.	4.4	26
41	The effect of Al and Cu content on the performance of CuZSM5 catalysts at the exhaust of high efficiency spark ignition engines.. Studies in Surface Science and Catalysis, 1998, 116, 307-316.	1.5	5
42	The effect of preparation and steaming on the catalytic properties of Cu-and Co-ZSM-5 in lean NOx reduction. Studies in Surface Science and Catalysis, 1995, 97, 295-302.	1.5	9
43	Hydrocarbon adsorbers for reducing cold start emissions. , 0, , .		4
44	Eco-Friendly Aluminum-Air Batteries as a Possible Alternative to Lithium Systems. , 0, , .		1