

Saverio Latorrata

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/999159/publications.pdf>

Version: 2024-02-01

46
papers

752
citations

471509
17
h-index

580821
25
g-index

46
all docs

46
docs citations

46
times ranked

638
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel superhydrophobic microporous layers for enhanced performance and efficient water management in PEM fuel cells. International Journal of Hydrogen Energy, 2014, 39, 5350-5357.	7.1	63
2	Preparation of structured catalysts with Ni and Ni-Rh/CeO ₂ catalytic layers for syngas production by biogas reforming processes. Catalysis Today, 2016, 273, 3-11.	4.4	58
3	Diagnosis of PEM Fuel Cell Drying and Flooding Based on Power Converter Ripple. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 2341-2348.	4.7	44
4	Activation of metallic open-cell foams via washcoat deposition of Ni/MgAl ₂ O ₄ catalysts for steam reforming reaction. Catalysis Today, 2012, 197, 256-264.	4.4	39
5	PEM Fuel Cell Drying and Flooding Diagnosis With Signals Injected by a Power Converter. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2064-2071.	4.7	35
6	Aging effect on the variation of Li-ion battery resistance as function of temperature and state of charge. Journal of Energy Storage, 2022, 50, 104658.	8.1	33
7	Supercapacitor Sizing for Fast Power Dips in a Hybrid Supercapacitor-PEM Fuel Cell System. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 2196-2203.	4.7	31
8	Characterization of novel graphene-based microporous layers for Polymer Electrolyte Membrane Fuel Cells operating under low humidity and high temperature. International Journal of Hydrogen Energy, 2020, 45, 7046-7058.	7.1	27
9	Perfluoropolyether-functionalized gas diffusion layers for proton exchange membrane fuel cells. Journal of Power Sources, 2014, 258, 351-355.	7.8	25
10	Design of properties and performances of innovative gas diffusion media for polymer electrolyte membrane fuel cells. Progress in Organic Coatings, 2015, 78, 517-525.	3.9	25
11	Co-precipitation in aqueous medium of La _{0.8} Sr _{0.2} Ga _{0.8} Mg _{0.2} O ₃ via inorganic precursors. Journal of Power Sources, 2010, 195, 8116-8123.	7.8	23
12	Analysis and Compensation of PEM Fuel Cell Instabilities in Low-Frequency EIS Measurements. IEEE Transactions on Instrumentation and Measurement, 2014, 63, 1693-1700.	4.7	23
13	Development of an optimal gas diffusion medium for polymer electrolyte membrane fuel cells and assessment of its degradation mechanisms. International Journal of Hydrogen Energy, 2015, 40, 14596-14608.	7.1	23
14	Low-Cost PEM Fuel Cell Diagnosis Based on Power Converter Ripple With Hysteresis Control. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2900-2907.	4.7	21
15	Development of self-assembling sulfonated graphene oxide membranes as a potential proton conductor. Materials Chemistry and Physics, 2021, 257, 123768.	4.0	19
16	Washcoating of low surface area cerium oxide on complex geometry substrates. Particulate Science and Technology, 2016, 34, 184-193.	2.1	18
17	Effect of rheology controller agent addition to Micro-Porous Layers on PEMFC performances. Solid State Ionics, 2012, 216, 73-77.	2.7	17
18	Combining Electrical and Pressure Measurements for Early Flooding Detection in a PEM Fuel Cell. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1007-1014.	4.7	17

#	ARTICLE	IF	CITATIONS
19	Carbonate coprecipitation synthesis of Sr- and Mg-doped LaGaO ₃ . Materials Letters, 2009, 63, 1892-1894.	2.6	16
20	Investigation of hydrophobic treatments with perfluoropolyether derivatives of gas diffusion layers by electrochemical impedance spectroscopy in PEM-FC. Solid State Ionics, 2012, 216, 100-104.	2.7	16
21	Development and Characterization of Non-Conventional Micro-Porous Layers for PEM Fuel Cells. Energies, 2015, 8, 7070-7083.	3.1	16
22	Innovative Perfluoropolyether-Functionalized Gas Diffusion Layers with Enhanced Performance in Polymer Electrolyte Membrane Fuel Cells. Fuel Cells, 2020, 20, 166-175.	2.4	16
23	Rare Earths (La, Y, and Nd) Adsorption Behaviour towards Mineral Clays and Organoclays: Monoionic and Trionic Solutions. Minerals (Basel, Switzerland), 2021, 11, 30.	2.0	13
24	Use of Electrochemical Impedance Spectroscopy for the Evaluation of Performance of PEM Fuel Cells Based on Carbon Cloth Gas Diffusion Electrodes. Journal of Spectroscopy, 2018, 2018, 1-13.	1.3	12
25	Performance Evaluation and Durability Enhancement of FEP-Based Gas Diffusion Media for PEM Fuel Cells. Energies, 2017, 10, 2063.	3.1	11
26	The Role of Fluorinated Polymers in the Water Management of Proton Exchange Membrane Fuel Cells: A Review. Energies, 2021, 14, 8387.	3.1	11
27	Capture Mechanism of La and Cu Ions in Mixed Solutions by Clay and Organoclay. Industrial & Engineering Chemistry Research, 2021, 60, 6803-6813.	3.7	10
28	Reduced Graphene Oxide Membranes as Potential Self-Assembling Filter for Wastewater Treatment. Minerals (Basel, Switzerland), 2021, 11, 15.	2.0	10
29	Graphene oxide-naphthalene sulfonate blends as possible proton exchange membranes. Solid State Ionics, 2022, 376, 115858.	2.7	10
30	Coating method for Ni/MgAl ₂ O ₄ deposition on metallic foams. Studies in Surface Science and Catalysis, 2010, , 653-656.	1.5	8
31	Optimization of Perfluoropolyether-Based Gas Diffusion Media Preparation for PEM Fuel Cells. Energies, 2020, 13, 1831.	3.1	8
32	Capture and release mechanism of La ions by new polyamine-based organoclays: A model system for rare-earths recovery in urban mining process. Journal of Environmental Chemical Engineering, 2021, 9, 104730.	6.7	7
33	Wastewater Treatment Using Alkali-Activated-Based Sorbents Produced from Blast Furnace Slag. Applied Sciences (Switzerland), 2021, 11, 2985.	2.5	7
34	Effective Ce-based catalysts deposition on ceramic open cell foams. Applied Catalysis A: General, 2019, 584, 117089.	4.3	6
35	Investigation of Sulfonated Graphene Oxide as the Base Material for Novel Proton Exchange Membranes. Molecules, 2022, 27, 1507.	3.8	6
36	Greenhouse Gas Implications of Extending the Service Life of PEM Fuel Cells for Automotive Applications: A Life Cycle Assessment. Clean Technologies, 2022, 4, 132-148.	4.2	6

#	ARTICLE	IF	CITATIONS
37	Preparation, <i>ex situ</i> and <i>in situ</i> Characterization of Gas Diffusion Media Containing and Non-Containing Carboxymethylcellulose for PEM Fuel Cells. Fuel Cells, 2015, 15, 463-471.	2.4	5
38	Preliminary Study on the Development of Sulfonated Graphene Oxide Membranes as Potential Novel Electrolytes for PEM Fuel Cells. ECS Transactions, 2018, 86, 347-356.	0.5	5
39	Effect of thickness and cracking phenomena on the photocatalytic performances of Ti/TiO ₂ photoanodes produced by dip coating. Materials Chemistry and Physics, 2019, 234, 1-8.	4.0	4
40	Graphene-based microporous layers for enhanced performance in PEM fuel cells. Materials Today: Proceedings, 2020, 31, 426-432.	1.8	3
41	Preparation and characterization of graphene oxide based membranes as possible Gas Diffusion Layers for PEM fuel cells with enhanced surface homogeneity. Materials Today: Proceedings, 2017, 4, 11594-11607.	1.8	2
42	Capture and Release Mechanism of Ni and La Ions via Solid/Liquid Process: Use of Polymer-Modified Clay and Activated Carbons. Polymers, 2022, 14, 485.	4.5	2
43	Analysis of Degradation Mechanisms and Durability Assessment of Graphene-Based MPLs for PEM Fuel Cells. ECS Transactions, 2018, 86, 337-345.	0.5	1
44	Electrical Characterization of LSGM Electrolytes Synthesized via Co-precipitation Route. ECS Transactions, 2009, 25, 1729-1736.	0.5	0
45	Analysis of Degradation Mechanisms and Durability Assessment of Graphene-Based Mpls for PEM Fuel Cells. ECS Meeting Abstracts, 2018, , .	0.0	0
46	Preliminary Study On The Development Of Sulfonated Graphene Oxide Membranes As Potential Novel Electrolytes For PEM Fuel Cells. ECS Meeting Abstracts, 2018, , .	0.0	0