

Santiago MartÃ-n

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

914
citations

394421

19
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

1283
citing authors

#	ARTICLE	IF	CITATIONS
1	Fe ₃ C-based oxygen reduction catalysts: synthesis, hollow spherical structures and applications in fuel cells. <i>Journal of Materials Chemistry A</i> , 2015, 3, 1752-1760.	10.3	116
2	Polybenzimidazole-Based High-Temperature Polymer Electrolyte Membrane Fuel Cells: New Insights and Recent Progress. <i>Electrochemical Energy Reviews</i> , 2020, 3, 793-845.	25.5	92
3	High platinum utilization in ultra-low Pt loaded PEM fuel cell cathodes prepared by electrospraying. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 10446-10451.	7.1	77
4	Electrospray deposition of catalyst layers with ultra-low Pt loadings for PEM fuel cells cathodes. <i>Journal of Power Sources</i> , 2010, 195, 2443-2449.	7.8	75
5	Spectroscopy of Palaeolithic rock paintings from the Tito Bustillo and El Buxu Caves, Asturias, Spain. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1644-1650.	2.5	57
6	Peak utilization of catalyst with ultra-low Pt loaded PEM fuel cell electrodes prepared by the electrospray method. <i>Journal of Power Sources</i> , 2013, 229, 179-184.	7.8	52
7	Raman microscopy of prehistoric rock paintings from the Hoz de Vicente, Minglanilla, Cuenca, Spain. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 1394-1399.	2.5	48
8	Protic ionic liquids immobilized in phosphoric acid-doped polybenzimidazole matrix enable polymer electrolyte fuel cell operation at 200°C. <i>Journal of Membrane Science</i> , 2020, 608, 118188.	8.2	47
9	Long-term operation of a proton exchange membrane fuel cell without external humidification. <i>Applied Energy</i> , 2017, 205, 1012-1020.	10.1	45
10	Nanostructured porous coatings via electrospray atomization and deposition of nanoparticle suspensions. <i>Journal of Aerosol Science</i> , 2018, 125, 148-163.	3.8	42
11	Binderless electrodes for high-temperature polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2014, 272, 559-566.	7.8	36
12	Lowering the platinum loading of high temperature polymer electrolyte membrane fuel cells with acid doped polybenzimidazole membranes. <i>Journal of Power Sources</i> , 2015, 293, 51-56.	7.8	32
13	Effect of the collector voltage on the stability of the cone-jet mode in electrohydrodynamic spraying. <i>Journal of Aerosol Science</i> , 2012, 46, 53-63.	3.8	29
14	Feasibility of ultra-low Pt loading electrodes for high temperature proton exchange membrane fuel cells based in phosphoric acid-doped membrane. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 28273-28282.	7.1	29
15	Morphology and Nanostructure of Granular Materials Built from Nanoparticles. <i>KONA Powder and Particle Journal</i> , 2014, 31, 214-233.	1.7	28
16	Ten-fold reduction from the state-of-the-art platinum loading of electrodes prepared by electrospraying for high temperature proton exchange membrane fuel cells. <i>Electrochemistry Communications</i> , 2018, 93, 57-61.	4.7	27
17	Self-Standing Nanofiber Electrodes with Pt-Co Derived from Electrospun Zeolitic Imidazolate Framework for High Temperature PEM Fuel Cells. <i>Advanced Functional Materials</i> , 2021, 31, 2006771.	14.9	27
18	Raman spectroscopy of prehistoric paintings from the Abrigo Remacha rock shelter (Villaseca, Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.5	26

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19	Sulfonated copolyimide membranes derived from a novel diamine monomer with pendant benzimidazole groups for fuel cells. <i>Journal of Membrane Science</i> , 2015, 481, 44-53.	8.2	20
20	Micro-Raman spectroscopy of rock paintings from the Galb Budarga and Tuama Budarga rock shelters, Western Sahara. <i>Microchemical Journal</i> , 2018, 137, 250-257.	4.5	9
21	Nanofiber Electrodes: Self-Standing Nanofiber Electrodes with Pt-Co Derived from Electrospun Zeolitic Imidazolate Framework for High Temperature PEM Fuel Cells (<i>Adv. Funct. Mater.</i> 7/2021). <i>Advanced Functional Materials</i> , 2021, 31, 2170047.	14.9	0