

Hector Colon-Mercado

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2051019/publications.pdf>

Version: 2024-02-01

16
papers

888
citations

932766

10
h-index

996533

15
g-index

20
all docs

20
docs citations

20
times ranked

1306
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance SO ₂ -depolarized electrolysis cell using advanced polymer electrolyte membranes. International Journal of Hydrogen Energy, 2022, 47, 57-68.	3.8	6
2	Electrode optimization for efficient hydrogen production using an SO ₂ -depolarized electrolysis cell. International Journal of Hydrogen Energy, 2022, 47, 14180-14185.	3.8	4
3	Stable, high-performing bifunctional electrodes for anion exchange membrane-based unitized regenerative fuel cells. Journal of Power Sources, 2022, 541, 231599.	4.0	5
4	Parametric study of operating conditions of an SO ₂ -depolarized electrolyzer. International Journal of Hydrogen Energy, 2020, 45, 22408-22418.	3.8	13
5	Enhanced Performance of Oxygen-Functionalized Multiwalled Carbon Nanotubes as Support for Pt and Pt-Ru Bimetallic Catalysts for Methanol Electrooxidation. ACS Applied Energy Materials, 2020, 3, 5487-5496.	2.5	18
6	Non-contact electrochemical evaluation of biofilms. SN Applied Sciences, 2020, 2, 1.	1.5	4
7	Communication "On the Lack of Correlation between the Voltammetric Redox Couple and ORR Activity of Fe-N-C Catalysts. Journal of the Electrochemical Society, 2020, 167, 134510.	1.3	7
8	Laser surface annealing and characterization of Ti ₂ AlC plasma vapor deposition coating on zirconium-alloy substrate. Thin Solid Films, 2016, 615, 202-209.	0.8	44
9	Li-Driven Electrochemical Conversion Reaction of AlH ₃ , LiAlH ₄ , and NaAlH ₄ . Journal of Physical Chemistry C, 2015, 119, 4666-4674.	1.5	44
10	Bi-functional Li ₂ B ₁₂ H ₁₂ for energy storage and conversion applications: solid-state electrolyte and luminescent down-conversion dye. Journal of Materials Chemistry A, 2015, 3, 22853-22859.	5.2	61
11	Evaluation of proton-conducting membranes for use in a sulfur dioxide depolarized electrolyzer. Journal of Power Sources, 2010, 195, 2823-2829.	4.0	30
12	Nitrogen-modified carbon-based catalysts for oxygen reduction reaction in polymer electrolyte membrane fuel cells. Journal of Power Sources, 2009, 188, 38-44.	4.0	417
13	Development of Stable Pt-Co Cathode Catalysts for PEM Fuel Cells. ECS Transactions, 2007, 11, 1259-1266.	0.3	0
14	Catalyst evaluation for a sulfur dioxide-depolarized electrolyzer. Electrochemistry Communications, 2007, 9, 2649-2653.	2.3	48
15	Studies on Co-based catalysts supported on modified carbon substrates for PEMFC cathodes. Journal of Power Sources, 2006, 157, 56-63.	4.0	154
16	Electrochemical characterization of cobalt-encapsulated nickel as cathodes for MCFC. Journal of Power Sources, 2002, 104, 157-168.	4.0	31