

# Julio Cruz

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1756112/publications.pdf>

Version: 2024-02-01

14  
papers

450  
citations

1039880

9  
h-index

1125617

13  
g-index

17  
all docs

17  
docs citations

17  
times ranked

669  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanosized IrO <sub>2</sub> electrocatalysts for oxygen evolution reaction in an SPE electrolyzer. Journal of Nanoparticle Research, 2011, 13, 1639-1646.	0.8	93
2	Novel Electro-Fenton Approach for Regeneration of Activated Carbon. Environmental Science & Technology, 2013, 47, 7927-7933.	4.6	87
3	Nanosized Pt/IrO <sub>2</sub> electrocatalyst prepared by modified polyol method for application as dual function oxygen electrode in unitized regenerative fuel cells. International Journal of Hydrogen Energy, 2012, 37, 5508-5517.	3.8	71
4	Synthesis and evaluation of ATO as a support for Pt-IrO <sub>2</sub> in a unitized regenerative fuel cell. International Journal of Hydrogen Energy, 2012, 37, 13522-13528.	3.8	51
5	Synthesis, structural and crystal size effect on the optical properties of sprayed TiO <sub>2</sub> thin films: Experiment and DFT TB-mbj. Journal of Alloys and Compounds, 2020, 819, 153010.	2.8	42
6	Design and set up of a hybrid power system (PV-WT-URFC) for a stand-alone application in Mexico. International Journal of Hydrogen Energy, 2013, 38, 12623-12633.	3.8	32
7	A hybrid power plant (Solar-Wind-Hydrogen) model based in artificial intelligence for a remote-housing application in Mexico. International Journal of Hydrogen Energy, 2013, 38, 2641-2655.	3.8	32
8	Bibliometric Analysis of the Mass Transport in a Gas Diffusion Layer in PEM Fuel Cells. Sustainability, 2019, 11, 6682.	1.6	14
9	Influence of ZrO <sub>2</sub> Nanoparticles on the Microstructural Development of Cement Mortars with Limestone Aggregates. Applied Sciences (Switzerland), 2019, 9, 598.	1.3	11
10	Sizing of a solar-hydrogen power source for a portable emergency communication system: Case study of hurricanes in Cancun, Mexico. International Journal of Hydrogen Energy, 2015, 40, 17361-17370.	3.8	6
11	Investigation on Mo-doped SnO <sub>2</sub> for potential use in magnetoelectronic applications: The DFT framework. International Journal of Modern Physics B, 2020, 34, 2050020.	1.0	6
12	Organic composite membrane for hydrogen electrochemical conversion devices. International Journal of Hydrogen Energy, 2020, 45, 32493-32507.	3.8	3
13	Indoor Temperature Validation of Low-Income Detached Dwellings under Tropical Weather Conditions. Climate, 2019, 7, 96.	1.2	2
14	Evaluation of self-healing in concrete with limestone coarse aggregate impregnated with Na <sub>2</sub> SiO <sub>3</sub> solution. Materials Research Express, 2022, 9, 025506.	0.8	0