Javier Barroso

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3813472/publications.pdf

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22	299	933264	887953
papers	citations	10	17
		h-index	g-index

22	22	22	466
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photoelectrochemical detection of enzymatically generated CdS nanoparticles: Application to development of immunoassay. Biosensors and Bioelectronics, 2016, 77, 323-329.	5.3	50
2	Microbead QD-ELISA: Microbead ELISA Using Biocatalytic Formation of Quantum Dots for Ultra High Sensitive Optical and Electrochemical Detection. ACS Applied Materials & Interfaces, 2016, 8, 29252-29260.	4.0	33
3	Plasmonic substrates comprising gold nanostars efficiently regenerate cofactor molecules. Journal of Materials Chemistry A, 2016, 4, 7045-7052.	5.2	30
4	Specific bioanalytical optical and photoelectrochemical assays for detection of methanol in alcoholic beverages. Biosensors and Bioelectronics, 2018, 101, 116-122.	5.3	25
5	Homolytic cleavage Câ€“C bond in the electrooxidation of ethanol and bioethanol. Journal of Power Sources, 2011, 196, 4193-4199.	4.0	19
6	Ethanol and CO electro-oxidation with amorphous alloys as electrodes. Journal of Power Sources, 2011, 196, 4337-4341.	4.0	18
7	Photoelectrochemical detection of copper ions by modulating the growth of CdS quantum dots. Analytica Chimica Acta, 2017, 986, 42-47.	2.6	17
8	Acetic acid decarboxylation by amorphous alloys with low loading of platinum. International Journal of Hydrogen Energy, 2011, 36, 12574-12582.	3.8	13
9	Selective Ultrasensitive Optical Fiber Nanosensors Based on Plasmon Resonance Energy Transfer. ACS Sensors, 2020, 5, 2018-2024.	4.0	13
10	Trimetallic amorphous catalyst with low amount of platinum: Comparative study for ethanol, bioethanol and CO electrooxidation. International Journal of Hydrogen Energy, 2014, 39, 3984-3990.	3.8	11
11	Modulating the growth of cysteine-capped cadmium sulfide quantum dots with enzymatically produced hydrogen peroxide. Nano Research, 2017, 10, 1932-1941.	5.8	11
12	Determination of trace metal release during corrosion characterization of FeCo-based amorphous metallic materials by stripping voltammetry. New materials for GMI biosensors. Journal of Non-Crystalline Solids, 2008, 354, 5169-5171.	1.5	10
13	Cytochrome c detection by plasmonic nanospectroscopy on optical fiber facets. Sensors and Actuators B: Chemical, 2021, 330, 129358.	4.0	9
14	Facile Synthesis and Characterization of Ag/Ag 2 S Nanoparticles Enzymatically Grown In Situ and their Application to the Colorimetric Detection of Glucose Oxidase. ChemistrySelect, 2019, 4, 8212-8219.	0.7	7
15	Electroâ€oxidation of ethanol and bioethanol in direct alcohol fuel cells by microparticulated amorphous Ni₅₉Nb₄₀Pt_{0.6}Cu_{0.4} and Ni₅₉Nb₄₀Pt_{0.6}Cu_{0.2}Sn_{0.2} alloys. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2309-2312.	0.8	6
16	Bioethanol and ethanol electro-oxidation by amorphous alloys with low amount of platinum. International Journal of Hydrogen Energy, 2012, 37, 5649-5655.	3.8	6
17	Co-catalytic effect of Rh and Ru for the ethanol electro-oxidation in amorphous microparticulated alloys. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 3187-3190.	0.8	5
18	Amorphous catalysts based on (NiNb)99(Pt X Y)1 forÂDAFC using ethanol and bioethanol as fuels. International Journal of Hydrogen Energy, 2014, 39, 3991-3996.	3.8	5

#	Article	IF	Citations
19	A method for the controllable fabrication of optical fiber-based localized surface plasmon resonance sensors. Scientific Reports, 2022, 12, .	1.6	4
20	Anodic amorphous (NiNb)99(PtCu)1 alloys: Comparison between different particle sizes of catalysts for PEFMC. International Journal of Hydrogen Energy, 2013, 38, 4079-4088.	3.8	3
21	Low Pt loading amorphous alloys applied as anodes and the effect of different proton exchange membranes for PEMFCS. International Journal of Hydrogen Energy, 2013, 38, 16269-16275.	3.8	2
22	Cobalt oxide as a selective co-catalyst for water oxidation in the presence of an organic dye. Photochemical and Photobiological Sciences, 2017, 16, 1771-1777.	1.6	2