

Juliana Ferreira de Brito

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,143
citations

471509

17
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

1354
citing authors

#	ARTICLE	IF	CITATIONS
1	Achievements and Trends in Photoelectrocatalysis: from Environmental to Energy Applications. <i>Electrocatalysis</i> , 2015, 6, 415-441.	3.0	201
2	MOFs based on ZIF-8 deposited on TiO ₂ nanotubes increase the surface adsorption of CO ₂ and its photoelectrocatalytic reduction to alcohols in aqueous media. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 563-573.	20.2	157
3	Role of CuO in the modification of the photocatalytic water splitting behavior of TiO ₂ nanotube thin films. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 136-145.	20.2	149
4	Photoelectrochemical reduction of CO ₂ on Cu/Cu ₂ O films: Product distribution and pH effects. <i>Chemical Engineering Journal</i> , 2015, 264, 302-309.	12.7	114
5	On the application of Ti/TiO ₂ /CuO n-p junction semiconductor: A case study of electrolyte, temperature and potential influence on CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2017, 318, 264-271.	12.7	67
6	A New Si/TiO ₂ /Pt p-n Junction Semiconductor to Demonstrate Photoelectrochemical CO ₂ Conversion. <i>Electrochimica Acta</i> , 2015, 185, 117-124.	5.2	49
7	Photoelectrocatalytic performance of nanostructured p-n junction NtTiO ₂ /NsCuO electrode in the selective conversion of CO ₂ to methanol at low bias potentials. <i>Journal of CO₂ Utilization</i> , 2018, 24, 81-88.	6.8	42
8	CO ₂ Reduction of Hybrid Cu ₂ O/Cu/Gas Diffusion Layer Electrodes and their Integration in a Cu-based Photoelectrocatalytic Cell. <i>ChemSusChem</i> , 2019, 12, 4274-4284.	6.8	39
9	Current trending and beyond for solar-driven water splitting reaction on WO ₃ photoanodes. <i>Journal of Energy Chemistry</i> , 2022, 73, 88-113.	12.9	35
10	Contribution of thin films of ZrO ₂ on TiO ₂ nanotubes electrodes applied in the photoelectrocatalytic CO ₂ conversion. <i>Journal of CO₂ Utilization</i> , 2018, 25, 254-263.	6.8	29
11	Combination of Photoelectrocatalysis and Ozonation as a Good Strategy for Organics Oxidation and Decreased Toxicity in Oil-Produced Water. <i>Journal of the Electrochemical Society</i> , 2019, 166, H3231-H3238.	2.9	23
12	Photoelectrodes of Cu ₂ O with interfacial structure of topological insulator Bi ₂ Se ₃ contributes to selective photoelectrocatalytic reduction of CO ₂ towards methanol. <i>Journal of CO₂ Utilization</i> , 2020, 39, 101154.	6.8	23
13	The great performance of TiO ₂ nanotubes electrodes modified by copper(II)porphyrin in the reduction of carbon dioxide to alcohol. <i>Journal of CO₂ Utilization</i> , 2020, 41, 101261.	6.8	22
14	Turning carbon dioxide into fuel concomitantly to the photoanode-driven process of organic pollutant degradation by photoelectrocatalysis. <i>Electrochimica Acta</i> , 2019, 306, 277-284.	5.2	21
15	An Artificial Photosynthesis System Based on Ti/TiO ₂ Coated with Cu(II) Aspirinate Complex for CO ₂ Reduction to Methanol. <i>Electrocatalysis</i> , 2017, 8, 279-287.	3.0	20
16	The influence of metallic Bi in BiVO ₄ semiconductor for artificial photosynthesis. <i>Journal of Alloys and Compounds</i> , 2021, 851, 156912.	5.5	19
17	Adsorption of Aromatic Compounds Under Magnetic Field Influence. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 3545-3551.	2.4	18
18	Contribution of Cu _x O distribution, shape and ratio on TiO ₂ nanotubes to improve methanol production from CO ₂ photoelectroreduction. <i>Journal of Solid State Electrochemistry</i> , 2020, 24, 3013-3028.	2.5	17

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19	Appraisal of photoelectrocatalytic oxidation of glucose and production of high value chemicals on nanotube Ti/TiO ₂ electrode. <i>Electrochimica Acta</i> , 2016, 222, 123-132.	5.2	16
20	Artificial photosynthesis for alcohol and 3-C compound formation using BiVO ₄ -lamellar catalyst. <i>Journal of CO₂ Utilization</i> , 2020, 36, 187-195.	6.8	16
21	Advances in photoelectroreduction of CO ₂ to hydrocarbons fuels: Contributions of functional materials. <i>Journal of CO₂ Utilization</i> , 2022, 55, 101810.	6.8	15
22	Tratamento da Água de purificação do biodiesel utilizando eletrofloculação. <i>Quimica Nova</i> , 2012, 35, 728-732.	0.3	11
23	Photoelectrodeposition of Pt nanoparticles on Sb ₂ Se ₃ photocathodes for enhanced water splitting. <i>Electrochimica Acta</i> , 2021, 382, 138290.	5.2	11
24	Reduction of CO ₂ by photoelectrochemical process using non-oxide two-dimensional nanomaterials – a review. <i>ChemElectroChem</i> , 2021, 8, 4305.	3.4	8
25	All-solution processed CuGaS ₂ -based photoelectrodes for CO ₂ reduction. <i>Journal of CO₂ Utilization</i> , 2022, 57, 101902.	6.8	8
26	The Substrate Morphology Effect for Sulfur-Rich Amorphous Molybdenum Sulfide for Electrochemical Hydrogen Evolution Reaction. <i>Journal of the Electrochemical Society</i> , 2022, 169, 026519.	2.9	5
27	Enhancement of photocurrent response for self-ordered Nb ₂ O ₅ nanotubes synthesized at room temperature. <i>Journal of Materials Science</i> , 2021, 56, 2088-2102.	3.7	4
28	Ammonia production from nitrogen under simulated solar irradiation, low overpotential, and mild conditions. <i>Electrochimica Acta</i> , 2022, 421, 140475.	5.2	3
29	Electrochemistry: A Powerful Tool for Preparation of Semiconductor Materials for Decontamination of Organic and Inorganic Pollutants, Disinfection, and CO ₂ Reduction. , 2017, , 239-269.		1
30	O emprego da eletroquímica na transformação da biomassa em produtos de alto valor agregado. , 2020, , 253-274.		0