

# 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	Advances in photoelectroreduction of CO <sub>2</sub> to hydrocarbons fuels: Contributions of functional materials. Journal of CO <sub>2</sub> Utilization, 2022, 55, 101810.	6.8	15
2	The Substrate Morphology Effect for Sulfur-Rich Amorphous Molybdenum Sulfide for Electrochemical Hydrogen Evolution Reaction. Journal of the Electrochemical Society, 2022, 169, 026519.	2.9	5
3	All-solution processed CuGaS <sub>2</sub> -based photoelectrodes for CO <sub>2</sub> reduction. Journal of CO <sub>2</sub> Utilization, 2022, 57, 101902.	6.8	8
4	Ammonia production from nitrogen under simulated solar irradiation, low overpotential, and mild conditions. Electrochimica Acta, 2022, 421, 140475.	5.2	3
5	Current trending and beyond for solar-driven water splitting reaction on WO <sub>3</sub> photoanodes. Journal of Energy Chemistry, 2022, 73, 88-113.	12.9	35
6	The influence of metallic Bi in BiVO <sub>4</sub> semiconductor for artificial photosynthesis. Journal of Alloys and Compounds, 2021, 851, 156912.	5.5	19
7	Enhancement of photocurrent response for self-ordered Nb <sub>2</sub> O <sub>5</sub> nanotubes synthesized at room temperature. Journal of Materials Science, 2021, 56, 2088-2102.	3.7	4
8	Photoelectrodeposition of Pt nanoparticles on Sb <sub>2</sub> Se <sub>3</sub> photocathodes for enhanced water splitting. Electrochimica Acta, 2021, 382, 138290.	5.2	11
9	Reduction of CO <sub>2</sub> by photoelectrochemical process using non-oxide two-dimensional nanomaterials – a review. ChemElectroChem, 2021, 8, 4305.	3.4	8
10	Artificial photosynthesis for alcohol and 3-C compound formation using BiVO <sub>4</sub> -lamellar catalyst. Journal of CO <sub>2</sub> Utilization, 2020, 36, 187-195.	6.8	16
11	Contribution of Cu <sub>x</sub> O distribution, shape and ratio on TiO <sub>2</sub> nanotubes to improve methanol production from CO <sub>2</sub> photoelectroreduction. Journal of Solid State Electrochemistry, 2020, 24, 3013-3028.	2.5	17
12	The great performance of TiO <sub>2</sub> nanotubes electrodes modified by copper(II)porphyrin in the reduction of carbon dioxide to alcohol. Journal of CO <sub>2</sub> Utilization, 2020, 41, 101261.	6.8	22
13	Photoelectrodes of Cu <sub>2</sub> O with interfacial structure of topological insulator Bi <sub>2</sub> Se <sub>3</sub> contributes to selective photoelectrocatalytic reduction of CO <sub>2</sub> towards methanol. Journal of CO <sub>2</sub> Utilization, 2020, 39, 101154.	6.8	23
14	O emprego da eletroquímica na transformação da biomassa em produtos de alto valor agregado. , 2020, , 253-274.		0
15	CO <sub>2</sub> Reduction of Hybrid Cu <sub>2</sub> O/Cu/Gas Diffusion Layer Electrodes and their Integration in a Cu-based Photoelectrocatalytic Cell. ChemSusChem, 2019, 12, 4274-4284.	6.8	39
16	Turning carbon dioxide into fuel concomitantly to the photoanode-driven process of organic pollutant degradation by photoelectrocatalysis. Electrochimica Acta, 2019, 306, 277-284.	5.2	21
17	Combination of Photoelectrocatalysis and Ozonation as a Good Strategy for Organics Oxidation and Decreased Toxicity in Oil-Produced Water. Journal of the Electrochemical Society, 2019, 166, H3231-H3238.	2.9	23
18	Photoelectrocatalytic performance of nanostructured p-n junction NtTiO <sub>2</sub> /NsCuO electrode in the selective conversion of CO <sub>2</sub> to methanol at low bias potentials. Journal of CO <sub>2</sub> Utilization, 2018, 24, 81-88.	6.8	42

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19	Role of CuO in the modification of the photocatalytic water splitting behavior of TiO <sub>2</sub> nanotube thin films. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 136-145.	20.2	149
20	MOFs based on ZIF-8 deposited on TiO <sub>2</sub> nanotubes increase the surface adsorption of CO <sub>2</sub> and its photoelectrocatalytic reduction to alcohols in aqueous media. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 563-573.	20.2	157
21	Contribution of thin films of ZrO <sub>2</sub> on TiO <sub>2</sub> nanotubes electrodes applied in the photoelectrocatalytic CO <sub>2</sub> conversion. <i>Journal of CO<sub>2</sub> Utilization</i> , 2018, 25, 254-263.	6.8	29
22	An Artificial Photosynthesis System Based on Ti/TiO <sub>2</sub> Coated with Cu(II) Aspirinate Complex for CO <sub>2</sub> Reduction to Methanol. <i>Electrocatalysis</i> , 2017, 8, 279-287.	3.0	20
23	On the application of Ti/TiO <sub>2</sub> /CuO n-p junction semiconductor: A case study of electrolyte, temperature and potential influence on CO <sub>2</sub> reduction. <i>Chemical Engineering Journal</i> , 2017, 318, 264-271.	12.7	67
24	Electrochemistry: A Powerful Tool for Preparation of Semiconductor Materials for Decontamination of Organic and Inorganic Pollutants, Disinfection, and CO <sub>2</sub> Reduction. , 2017, , 239-269.		1
25	Appraisal of photoelectrocatalytic oxidation of glucose and production of high value chemicals on nanotube Ti/TiO <sub>2</sub> electrode. <i>Electrochimica Acta</i> , 2016, 222, 123-132.	5.2	16
26	Achievements and Trends in Photoelectrocatalysis: from Environmental to Energy Applications. <i>Electrocatalysis</i> , 2015, 6, 415-441.	3.0	201
27	A New Si/TiO <sub>2</sub> /Pt p-n Junction Semiconductor to Demonstrate Photoelectrochemical CO <sub>2</sub> Conversion. <i>Electrochimica Acta</i> , 2015, 185, 117-124.	5.2	49
28	Photoelectrochemical reduction of CO <sub>2</sub> on Cu/Cu <sub>2</sub> O films: Product distribution and pH effects. <i>Chemical Engineering Journal</i> , 2015, 264, 302-309.	12.7	114
29	Tratamento da Água de purificação do biodiesel utilizando eletrofloculação. <i>Quimica Nova</i> , 2012, 35, 728-732.	0.3	11
30	Adsorption of Aromatic Compounds Under Magnetic Field Influence. <i>Water, Air, and Soil Pollution</i> , 2012, 223, 3545-3551.	2.4	18