Juliana P S Sousa

List of Publications by Year
in descending order

23 papers	845 citations	567281 15 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	1206 citing authors

#	Article	IF	Citations
1	Copper Supported on Mesoporous Structured Catalysts for NO Reduction. Catalysts, 2022, 12, 170.	3.5	2
2	Implementation of Transition Metal Phosphides as Pt-Free Catalysts for PEM Water Electrolysis. Energies, 2022, 15, 1821.	3.1	9
3	In situ investigation of the CO2 methanation on carbon/ceria-supported Ni catalysts using modulation-excitation DRIFTS. Applied Catalysis B: Environmental, 2022, 312, 121376.	20.2	20
4	Understanding the importance of Nâ^'doping for CNT-supported Ni catalysts for CO2 methanation. Carbon, 2022, 195, 35-43.	10.3	15
5	Deep Eutectic Solvent Synthesis of Perovskite Electrocatalysts for Water Oxidation. ACS Applied Materials & Interfaces, 2022, 14, 23277-23284.	8.0	8
6	New Opportunity for Carbonâ€Supported Niâ€based Electrocatalysts: Gasâ€Phase CO₂ Methanation. ChemCatChem, 2021, 13, 4770-4779.	3.7	7
7	Bi-metallic cobalt-nickel phosphide nanowires for electrocatalysis of the oxygen and hydrogen evolution reactions. Catalysis Today, 2020, 358, 196-202.	4.4	46
8	Combined experimental and theoretical study of acetylene semi-hydrogenation over Pd/Al2O3. International Journal of Hydrogen Energy, 2020, 45, 1283-1296.	7.1	25
9	The role of surface properties in CO₂ methanation over carbon-supported Ni catalysts and their promotion by Fe. Catalysis Science and Technology, 2020, 10, 7217-7225.	4.1	21
10	FeP Nanocatalyst with Preferential [010] Orientation Boosts the Hydrogen Evolution Reaction in Polymer-Electrolyte Membrane Electrolyzer. Energy & Fuels, 2020, 34, 6423-6429.	5.1	21
11	Enhanced oxygen evolution catalysis by aluminium-doped cobalt phosphide through in situ surface area increase. Catalysis Science and Technology, 2020, 10, 2398-2406.	4.1	18
12	Selective formic acid dehydrogenation at low temperature over a RuO₂/COF pre-catalyst synthesized on the gram scale. Catalysis Science and Technology, 2020, 10, 1991-1995.	4.1	25
13	Crystallographic facet selective HER catalysis: exemplified in FeP and NiP₂ single crystals. Chemical Science, 2020, 11, 5007-5016.	7.4	51
14	Electrocatalytic water oxidation over AlFe₂B₂. Chemical Science, 2019, 10, 2796-2804.	7.4	52
15	Al-Induced In Situ Formation of Highly Active Nanostructured Water-Oxidation Electrocatalyst Based on Ni-Phosphide. ACS Catalysis, 2018, 8, 2595-2600.	11.2	67
16	Hollow cobalt phosphide octahedral pre-catalysts with exceptionally high intrinsic catalytic activity for electro-oxidation of water and methanol. Journal of Materials Chemistry A, 2018, 6, 20646-20652.	10.3	95
17	Carbonized polyacrylonitrile fibers for the catalytic ozonation of oxalic acid. Catalysis Today, 2015, 249, 59-62.	4.4	9
18	Modified activated carbon as catalyst for NO oxidation. Fuel Processing Technology, 2013, 106, 727-733.	7.2	73

#	Article	IF	Citations
19	Carbon Xerogel Catalyst for NO Oxidation. Catalysts, 2012, 2, 447-465.	3.5	13
20	NO oxidation over nitrogen doped carbon xerogels. Applied Catalysis B: Environmental, 2012, 125, 398-408.	20.2	75
21	Catalytic oxidation of NO to NO2 on N-doped activated carbons. Catalysis Today, 2011, 176, 383-387.	4.4	91
22	Catalytic activity and stability of multiwalled carbon nanotubes in catalytic wet air oxidation of oxalic acid: The role of the basic nature induced by the surface chemistry. Applied Catalysis B: Environmental, 2011, 104, 330-336.	20.2	76
23	Wet Air Oxidation of Aniline Using Carbon Foams and Fibers Enriched with Nitrogen. Separation Science and Technology, 2010, 45, 1546-1554.	2.5	26