

# Juliana P S Sousa

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Hollow cobalt phosphide octahedral pre-catalysts with exceptionally high intrinsic catalytic activity for electro-oxidation of water and methanol. <i>Journal of Materials Chemistry A</i> , 2018, 6, 20646-20652.	10.3	95
2	Catalytic oxidation of NO to NO <sub>2</sub> on N-doped activated carbons. <i>Catalysis Today</i> , 2011, 176, 383-387.	4.4	91
3	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. <i>Applied Catalysis B: Environmental</i> , 2011, 104, 330-336.	20.2	76
4	NO oxidation over nitrogen doped carbon xerogels. <i>Applied Catalysis B: Environmental</i> , 2012, 125, 398-408.	20.2	75
5	Modified activated carbon as catalyst for NO oxidation. <i>Fuel Processing Technology</i> , 2013, 106, 727-733.	7.2	73
6	Al-Induced In Situ Formation of Highly Active Nanostructured Water-Oxidation Electrocatalyst Based on Ni-Phosphide. <i>ACS Catalysis</i> , 2018, 8, 2595-2600.	11.2	67
7	Electrocatalytic water oxidation over AlFe <sub>2</sub> B <sub>2</sub> . <i>Chemical Science</i> , 2019, 10, 2796-2804.	7.4	52
8	Crystallographic facet selective HER catalysis: exemplified in FeP and NiP <sub>2</sub> single crystals. <i>Chemical Science</i> , 2020, 11, 5007-5016.	7.4	51
9	Bi-metallic cobalt-nickel phosphide nanowires for electrocatalysis of the oxygen and hydrogen evolution reactions. <i>Catalysis Today</i> , 2020, 358, 196-202.	4.4	46
10	Wet Air Oxidation of Aniline Using Carbon Foams and Fibers Enriched with Nitrogen. <i>Separation Science and Technology</i> , 2010, 45, 1546-1554.	2.5	26
11	Combined experimental and theoretical study of acetylene semi-hydrogenation over Pd/Al <sub>2</sub> O <sub>3</sub> . <i>International Journal of Hydrogen Energy</i> , 2020, 45, 1283-1296.	7.1	25
12	Selective formic acid dehydrogenation at low temperature over a RuO <sub>2</sub> /COF pre-catalyst synthesized on the gram scale. <i>Catalysis Science and Technology</i> , 2020, 10, 1991-1995.	4.1	25
13	The role of surface properties in CO <sub>2</sub> methanation over carbon-supported Ni catalysts and their promotion by Fe. <i>Catalysis Science and Technology</i> , 2020, 10, 7217-7225.	4.1	21
14	FeP Nanocatalyst with Preferential [010] Orientation Boosts the Hydrogen Evolution Reaction in Polymer-Electrolyte Membrane Electrolyzer. <i>Energy &amp; Fuels</i> , 2020, 34, 6423-6429.	5.1	21
15	In situ investigation of the CO <sub>2</sub> methanation on carbon/ceria-supported Ni catalysts using modulation-excitation DRIFTS. <i>Applied Catalysis B: Environmental</i> , 2022, 312, 121376.	20.2	20
16	Enhanced oxygen evolution catalysis by aluminium-doped cobalt phosphide through <i>in situ</i> surface area increase. <i>Catalysis Science and Technology</i> , 2020, 10, 2398-2406.	4.1	18
17	Understanding the importance of N <sup>~</sup> doping for CNT-supported Ni catalysts for CO <sub>2</sub> methanation. <i>Carbon</i> , 2022, 195, 35-43.	10.3	15
18	Carbon Xerogel Catalyst for NO Oxidation. <i>Catalysts</i> , 2012, 2, 447-465.	3.5	13

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19	Carbonized polyacrylonitrile fibers for the catalytic ozonation of oxalic acid. <i>Catalysis Today</i> , 2015, 249, 59-62.	4.4	9
20	Implementation of Transition Metal Phosphides as Pt-Free Catalysts for PEM Water Electrolysis. <i>Energies</i> , 2022, 15, 1821.	3.1	9
21	Deep Eutectic Solvent Synthesis of Perovskite Electrocatalysts for Water Oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 23277-23284.	8.0	8
22	New Opportunity for Carbon-Supported Ni-Based Electrocatalysts: Gas-Phase CO <sub>2</sub> Methanation. <i>ChemCatChem</i> , 2021, 13, 4770-4779.	3.7	7
23	Copper Supported on Mesoporous Structured Catalysts for NO Reduction. <i>Catalysts</i> , 2022, 12, 170.	3.5	2