

# Juan Fernando GÃ³mez-PÃ©rez

## List of Publications by Year in descending order

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283  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfacial Ni active sites strike solid solution counterpart in CO <sub>2</sub> hydrogenation. Environmental Technology and Innovation, 2022, 27, 102747.	6.1	9
2	Complexity of a Co <sub>3</sub> O <sub>4</sub> System under Ambient-Pressure CO <sub>2</sub> Methanation: Influence of Bulk and Surface Properties on the Catalytic Performance. Journal of Physical Chemistry C, 2021, 125, 7130-7141.	3.1	43
3	Raman Spectral Signatures of Serum-Derived Extracellular Vesicle-Enriched Isolates May Support the Diagnosis of CNS Tumors. Cancers, 2021, 13, 1407.	3.7	10
4	Surface Engineering of CeO <sub>2</sub> Catalysts: Differences Between Solid Solution Based and Interfacially Designed Ce <sub>1-x</sub> M <sub>x</sub> O <sub>2</sub> (M = Zn, Mn) in CO <sub>2</sub> Hydrogenation Reaction. Catalysis Letters, 2021, 151, 3477-3491.	2.1	22
5	Nesting Well-Defined Pt Nanoparticles within a Hierarchically Porous Polymer as a Heterogeneous Suzuki-Miyaura Catalyst. ACS Applied Nano Materials, 2021, 4, 4070-4076.	5.0	7
6	Size controlled Pt over mesoporous NiO nanocomposite catalysts: thermal catalysis vs. photocatalysis. Journal of Porous Materials, 2021, 28, 605-615.	2.6	2
7	Ni-Zn-Al-Based Oxide/Spinel Nanostructures for High Performance, Methane-Selective CO <sub>2</sub> Hydrogenation Reactions. Catalysis Letters, 2020, 150, 1527-1536.	2.6	11
8	Preparation of sulfur hydrophobized plasmonic photocatalyst towards durable superhydrophobic coating material. Journal of Materials Science and Technology, 2020, 41, 159-167.	10.7	8
9	Phosphorus-loaded alumina supported nickel catalysts for CO <sub>2</sub> hydrogenation: Ni <sub>2</sub> P/Ni <sub>5</sub> P <sub>12</sub> drives activity. Molecular Catalysis, 2020, 494, 111113.	2.0	2
10	Dangling-to-Interstitial Oxygen Transition and Its Modifications of the Electronic Structure in Few-Layer Phosphorene. Journal of Physical Chemistry C, 2020, 124, 24066-24072.	3.1	8
11	Synergetic of Pt Nanoparticles and H-ZSM-5 Zeolites for Efficient CO <sub>2</sub> Activation: Role of Interfacial Sites in High Activity. Frontiers in Materials, 2019, 6, .	2.4	26
12	Quantitative Tracking of the Oxidation of Black Phosphorus in the Few-Layer Regime. ACS Omega, 2018, 3, 12482-12488.	3.5	31
13	Acetone improves the topographical homogeneity of liquid phase exfoliated few-layer black phosphorus flakes. Nanotechnology, 2018, 29, 365303.	2.6	16
14	Photoelectrical response of mesoporous nickel oxide decorated with size controlled platinum nanoparticles under argon and oxygen gas. Catalysis Today, 2017, 284, 37-43.	4.4	9
15	Electronic work function modulation of phosphorene by thermal oxidation. 2D Materials, 0, , .	4.4	3