

Juan Fernando GÃ³mez-PÃ©rez

List of Publications by Year in descending order

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papers

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283
citing authors

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