Sergio Posada-PÃ©rez

List of Publications by Year
in descending order

17 papers	716 citations	687335 13 h-index	1058452 14 g-index
18 all docs	18 docs citations	18 times ranked	807 citing authors

#	Article	IF	Citations
1	Effect of Aqueous Electrolytes on LiCoO₂ Surfaces: Role of Proton Adsorption on Oxygen Vacancy Formation. Journal of Physical Chemistry C, 2022, 126, 110-119.	3.1	7
2	The importance of the bite angle of metal(III) salen catalysts in the sequestration of CO2 with epoxides in mild conditions. Green Chemical Engineering, 2022, 3, 180-187.	6.3	18
3	Exploring cocatalyst type effect on the Zieglerâ€“Natta catalyzed ethylene polymerizations: experimental and DFT studies. Journal of Polymer Research, 2022, 29, .	2.4	19
4	The Importance of Li-Ion Nature and Stacking in Layered Cathode Materials for Aqueous Ion Batteries: From Bulk to Surface Models. ECS Meeting Abstracts, 2021, MA2021-01, 99-99.	0.0	0
5	Influence of Stacking on H⁺ Intercalation in Layered ACoO₂ (A =) Tj ETQq1 1 0.784314 rgBT O Investigation. Chemistry of Materials, 2021, 33, 6942-6954.	6.7	15
6	Are Protons Involve in the Fading Capacity in Li Ion Aqueous Batteries? Shedding Light By Means of First Principle Computations. ECS Meeting Abstracts, 2020, MA2020-01, 223-223.	0.0	0
7	Shedding Light about the Role of Proton Intercalation in Layered Cathode Materials By Means of First Principle Computations. ECS Meeting Abstracts, 2020, MA2020-02, 68-68.	0.0	0
8	Kinetic Monte Carlo Simulations Unveil Synergic Effects at Work on Bifunctional Catalysts. ACS Catalysis, 2019, 9, 9117-9126.	11.2	30
9	CO₂ interaction with violarite (FeNi₂S₄) surfaces: a dispersion-corrected DFT study. Physical Chemistry Chemical Physics, 2018, 20, 20439-20446.	2.8	15
10	Highly active Au/Î´-MoC and Au/Î²-Mo₂C catalysts for the low-temperature water gas shift reaction: effects of the carbide metal/carbon ratio on the catalyst performance. Catalysis Science and Technology, 2017, 7, 5332-5342.	4.1	39
11	Adsorption and dissociation of molecular hydrogen on orthorhombic Î²-Mo2C and cubic Î´-MoC (001) surfaces. Surface Science, 2017, 656, 24-32.	1.9	50
12	Highly Active Au/Î´-MoC and Cu/Î´-MoC Catalysts for the Conversion of CO₂: The Metal/C Ratio as a Key Factor Defining Activity, Selectivity, and Stability. Journal of the American Chemical Society, 2016, 138, 8269-8278.	13.7	140
13	The conversion of CO₂ to methanol on orthorhombic Î²-Mo₂C and Cu/Î²-Mo₂C catalysts: mechanism for admetal induced change in the selectivity and activity. Catalysis Science and Technology, 2016, 6, 6766-6777.	4.1	101
14	Methane capture at room temperature: adsorption on cubic Î´-MoC and orthorhombic Î²-Mo₂C molybdenum carbide (001) surfaces. RSC Advances, 2015, 5, 33737-33746.	3.6	18
15	Structure and electronic properties of Cu nanoclusters supported on Mo2C(001) and MoC(001) surfaces. Journal of Chemical Physics, 2015, 143, 114704.	3.0	25
16	Fundamentals of Methanol Synthesis on Metal Carbide Based Catalysts: Activation of CO2 and H2. Topics in Catalysis, 2015, 58, 159-173.	2.8	64
17	The bending machine: CO₂ activation and hydrogenation on Î´-MoC(001) and Î²-Mo₂C(001) surfaces. Physical Chemistry Chemical Physics, 2014, 16, 14912-14921.	2.8	175