

# Micaela Crespo-Quesada

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

2,286  
citations

516710

16  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

4374  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photon recycling in lead iodide perovskite solar cells. <i>Science</i> , 2016, 351, 1430-1433.	12.6	600
2	Structure Sensitivity of Alkynol Hydrogenation on Shape- and Size-Controlled Palladium Nanocrystals: Which Sites Are Most Active and Selective?. <i>Journal of the American Chemical Society</i> , 2011, 133, 12787-12794.	13.7	379
3	Modern Trends in Catalyst and Process Design for Alkyne Hydrogenations. <i>ACS Catalysis</i> , 2012, 2, 1773-1786.	11.2	240
4	UVâ€“Ozone Cleaning of Supported Poly(vinylpyrrolidone)-Stabilized Palladium Nanocubes: Effect of Stabilizer Removal on Morphology and Catalytic Behavior. <i>Langmuir</i> , 2011, 27, 7909-7916.	3.5	199
5	Metal-encapsulated organolead halide perovskite photocathode for solar-driven hydrogen evolution in water. <i>Nature Communications</i> , 2016, 7, 12555.	12.8	165
6	Scalable Triple Cation Mixed Halide Perovskiteâ€“BIVO <sub>4</sub> Tandems for Biasâ€“Free Water Splitting. <i>Advanced Energy Materials</i> , 2018, 8, 1801403.	19.5	128
7	Selective Gas Phase Hydrogenation of <i>p</i> -Chloronitrobenzene over Pd Catalysts: Role of the Support. <i>ACS Catalysis</i> , 2013, 3, 1386-1396.	11.2	111
8	Biphasic Hydrogenation over PVP Stabilized Rh Nanoparticles in Hydroxyl Functionalized Ionic Liquids. <i>Inorganic Chemistry</i> , 2008, 47, 7444-7446.	4.0	99
9	Kinetics of the solvent-free hydrogenation of 2-methyl-3-butyn-2-ol over a structured Pd-based catalyst. <i>Catalysis Today</i> , 2009, 147, 247-254.	4.4	64
10	Structure sensitivity of selective acetylene hydrogenation over the catalysts with shape-controlled palladium nanoparticles. <i>Kinetics and Catalysis</i> , 2012, 53, 253-261.	1.0	59
11	Supported nitrogen-modified Pd nanoparticles for the selective hydrogenation of 1-hexyne. <i>Journal of Catalysis</i> , 2011, 279, 66-74.	6.2	58
12	Emerging approaches to stabilise photocorroding electrodes and catalysts for solar fuel applications. <i>Energy and Environmental Science</i> , 2017, 10, 1116-1127.	30.8	40
13	Shape-Dependence of Pd Nanocrystal Carburation during Acetylene Hydrogenation. <i>Journal of Physical Chemistry C</i> , 2015, 119, 1101-1107.	3.1	38
14	Acetylene Oligomerization over Pd Nanoparticles with Controlled Shape: A Parahydrogen-Induced Polarization Study. <i>Journal of Physical Chemistry C</i> , 2016, 120, 4945-4953.	3.1	34
15	Structure Sensitivity of 2-Methyl-3-butyn-2-ol Hydrogenation on Pd: Computational and Experimental Modeling. <i>Journal of Physical Chemistry C</i> , 2014, 118, 3119-3128.	3.1	30
16	Size and Shapeâ€“controlled Pd Nanocrystals on ZnO and SiO <sub>2</sub> : When the Nature of the Support Determines the Active Phase. <i>ChemCatChem</i> , 2014, 6, 767-771.	3.7	18
17	Shape and Size-Tailored Pd Nanocrystals to Study the Structure Sensitivity of 2-Methyl-3-butyn-2-ol Hydrogenation: Effect of the Stabilizing Agent. <i>Topics in Catalysis</i> , 2012, 55, 486-491.	2.8	10
18	Integrated Approach for the Intensification of Heterogeneous Catalytic Processes. <i>Chimia</i> , 2011, 65, 699.	0.6	9

#	ARTICLE	IF	CITATIONS
19	Selective Alkyne Hydrogenation over Nano-metal Systems: Closing the Gap between Model and Real Catalysts for Industrial Applications. <i>Chimia</i> , 2012, 66, 681-686.	0.6	5