

# Marco Calizzi

## List of Publications by Year in descending order

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15  
papers

517  
citations

759233

12  
h-index

996975

15  
g-index

15  
all docs

15  
docs citations

15  
times ranked

930  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient Planar Perovskite Solar Cells Using Passivated Tin Oxide as an Electron Transport Layer. <i>Advanced Science</i> , 2018, 5, 1800130.	11.2	120
2	Hydrogen Desorption Below 150 Å°C in MgH <sub>2</sub> •TiH <sub>2</sub> Composite Nanoparticles: Equilibrium and Kinetic Properties. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11166-11177.	3.1	68
3	Mg•Ti nanoparticles with superior kinetics for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14447-14454.	7.1	57
4	In Situ Control of the Adsorption Species in CO <sub>2</sub> Hydrogenation: Determination of Intermediates and Byproducts. <i>Journal of Physical Chemistry C</i> , 2018, 122, 20888-20893.	3.1	55
5	Dehydrogenation-hydrogenation characteristics of nanocrystalline Mg <sub>2</sub> Ni powders compacted by high-pressure torsion. <i>Journal of Alloys and Compounds</i> , 2017, 702, 84-91.	5.5	45
6	Gas-phase synthesis of Mg•Ti nanoparticles for solid-state hydrogen storage. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 141-148.	2.8	33
7	Unraveling and optimizing the metal-metal oxide synergistic effect in a highly active Co (CoO) <sub>1</sub> • catalyst for CO <sub>2</sub> hydrogenation. <i>Journal of Energy Chemistry</i> , 2021, 53, 241-250.	12.9	32
8	Identifying Reaction Species by Evolutionary Fitting and Kinetic Analysis: An Example of CO <sub>2</sub> Hydrogenation in DRIFTS. <i>Journal of Physical Chemistry C</i> , 2019, 123, 8785-8792.	3.1	23
9	Local Structure of V Dopants in TiO <sub>2</sub> Nanoparticles: X-ray Absorption Spectroscopy, Including Ab-Initio and Full Potential Simulations. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7457-7466.	3.1	22
10	Characterization of a nanocrystalline Mg•Ni alloy processed by high-pressure torsion during hydrogenation and dehydrogenation. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 9803-9809.	7.1	19
11	CO <sub>2</sub> Hydrogenation over Unsupported Fe-Co Nanoalloy Catalysts. <i>Nanomaterials</i> , 2020, 10, 1360.	4.1	17
12	Interface and strain effects on the H-sorption thermodynamics of size-selected Mg nanodots. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 9841-9851.	7.1	12
13	Interface Enthalpy-Entropy Competition in Nanoscale Metal Hydrides. <i>Inorganics</i> , 2018, 6, 13.	2.7	6
14	Element-specific channels for the photoexcitation of V-doped TiO <sub>2</sub> nanoparticles. <i>Physical Review B</i> , 2017, 96, .	3.2	4
15	Synthesis of grid compliant substitute natural gas from a representative biogas mixture in a hybrid Ni/Ru catalysed reactor. <i>Chemical Engineering Science: X</i> , 2020, 8, 100078.	1.5	4