

Diego Mateo

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

1,027
citations

18
h-index

28
g-index

28
ext. papers

1,336
ext. citations

13.2
avg, IF

5.23
L-index

#	Paper	IF	Citations
24	Cytotoxicity and ROS production of manufactured silver nanoparticles of different sizes in hepatoma and leukemia cells. <i>Journal of Applied Toxicology</i> , 2014 , 34, 413-23	4.1	147
23	111 oriented gold nanoplatelets on multilayer graphene as visible light photocatalyst for overall water splitting. <i>Nature Communications</i> , 2016 , 7, 11819	17.4	104
22	Fundamentals and applications of photo-thermal catalysis. <i>Chemical Society Reviews</i> , 2021 , 50, 2173-2219	18.5	91
21	Graphene supported NiO/Ni nanoparticles as efficient photocatalyst for gas phase CO ₂ reduction with hydrogen. <i>Applied Catalysis B: Environmental</i> , 2018 , 224, 563-571	21.8	81
20	Photoassisted methanation using Cu ₂ O nanoparticles supported on graphene as a photocatalyst. <i>Energy and Environmental Science</i> , 2017 , 10, 2392-2400	35.4	68
19	Oxidative stress contributes to gold nanoparticle-induced cytotoxicity in human tumor cells. <i>Toxicology Mechanisms and Methods</i> , 2014 , 24, 161-72	3.6	67
18	Oriented 2.0.0 Cu ₂ O nanoplatelets supported on few-layers graphene as efficient visible light photocatalyst for overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2017 , 201, 582-590	21.8	53
17	Titanium-Perovskite-Supported RuO ₂ Nanoparticles for Photocatalytic CO ₂ Methanation. <i>Joule</i> , 2019 , 3, 1949-1962	27.8	52
16	Graphene-Based Materials as Efficient Photocatalysts for Water Splitting. <i>Molecules</i> , 2019 , 24,	4.8	48
15	synthesis of mesoporous photoactive titanium(iv)-organic frameworks with MIL-100 topology. <i>Chemical Science</i> , 2019 , 10, 4313-4321	9.4	47
14	A Heterogeneous Carbon Nitride-Nickel Photocatalyst for Efficient Low-Temperature CO ₂ Methanation. <i>Advanced Energy Materials</i> , 2019 , 9, 1902738	21.8	35
13	Interactions of manufactured silver nanoparticles of different sizes with normal human dermal fibroblasts. <i>International Wound Journal</i> , 2016 , 13, 101-9	2.6	34
12	N-doped defective graphene decorated by strontium titanate as efficient photocatalyst for overall water splitting. <i>Applied Catalysis B: Environmental</i> , 2019 , 252, 111-119	21.8	30
11	Comparative cytotoxicity evaluation of different size gold nanoparticles in human dermal fibroblasts. <i>Journal of Experimental Nanoscience</i> , 2015 , 10, 1401-1417	1.9	26
10	Effects of silver and gold nanoparticles of different sizes in human pulmonary fibroblasts. <i>Toxicology Mechanisms and Methods</i> , 2015 , 25, 287-95	3.6	22
9	Long-Term Photostability in Terephthalate Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17843-17848	16.4	22
8	Efficient Visible-Light Driven Photothermal Conversion of CO ₂ to Methane by Nickel Nanoparticles Supported on Barium Titanate. <i>Advanced Functional Materials</i> , 2021 , 31, 2008244	15.6	22

7	In vitro evaluation of silver nanoparticles on human tumoral and normal cells. <i>Toxicology Mechanisms and Methods</i> , 2013 , 23, 153-60	3.6	20
6	The mechanism of photocatalytic CO reduction by graphene-supported CuO probed by sacrificial electron donors. <i>Photochemical and Photobiological Sciences</i> , 2018 , 17, 829-834	4.2	16
5	Synergism of Au and Ru Nanoparticles in Low-Temperature Photoassisted CO Methanation. <i>Chemistry - A European Journal</i> , 2018 , 24, 18436-18443	4.8	15
4	An Efficient Metal-Organic Framework-Derived Nickel Catalyst for the Light Driven Methanation of CO. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 26476-26482	16.4	14
3	Gas-Phase Photochemical Overall H ₂ S Splitting by UV Light Irradiation. <i>ChemSusChem</i> , 2017 , 10, 1996-2000	8.0	6
2	Tunable Selectivity in CO Photo-Thermal Reduction by Perovskite-Supported Pd Nanoparticles. <i>ChemSusChem</i> , 2021 ,	8.3	4
1	Structure-Activity relationship in Ti phosphate-derived photocatalysts for H ₂ evolution. <i>Journal of Energy Chemistry</i> , 2017 , 26, 295-301	12	3