

Diego Mateo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5140843/publications.pdf>

Version: 2024-02-01

28
papers

1,698
citations

361045

20
h-index

552369

26
g-index

28
all docs

28
docs citations

28
times ranked

2572
citing authors

#	ARTICLE	IF	CITATIONS
1	Fundamentals and applications of photo-thermal catalysis. <i>Chemical Society Reviews</i> , 2021, 50, 2173-2210.	18.7	339
2	Cytotoxicity and ROS production of manufactured silver nanoparticles of different sizes in hepatoma and leukemia cells. <i>Journal of Applied Toxicology</i> , 2014, 34, 413-423.	1.4	178
3	111 oriented gold nanoplatelets on multilayer graphene as visible light photocatalyst for overall water splitting. <i>Nature Communications</i> , 2016, 7, 11819.	5.8	114
4	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.	10.8	114
5	Titanium-Perovskite-Supported RuO ₂ Nanoparticles for Photocatalytic CO ₂ Methanation. <i>Joule</i> , 2019, 3, 1949-1962.	11.7	102
6	Oxidative stress contributes to gold nanoparticle-induced cytotoxicity in human tumor cells. <i>Toxicology Mechanisms and Methods</i> , 2014, 24, 161-172.	1.3	85
7	Photoassisted methanation using Cu ₂ O nanoparticles supported on graphene as a photocatalyst. <i>Energy and Environmental Science</i> , 2017, 10, 2392-2400.	15.6	83
8	Graphene-Based Materials as Efficient Photocatalysts for Water Splitting. <i>Molecules</i> , 2019, 24, 906.	1.7	82
9	<i>De novo</i> synthesis of mesoporous photoactive titanium(IV)-organic frameworks with MIL-100 topology. <i>Chemical Science</i> , 2019, 10, 4313-4321.	3.7	72
10	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.	10.8	63
11	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.	7.8	60
12	A Heterogeneous Carbon Nitride-Nickel Photocatalyst for Efficient Low-Temperature CO ₂ Methanation. <i>Advanced Energy Materials</i> , 2019, 9, 1902738.	10.2	58
13	Interactions of manufactured silver nanoparticles of different sizes with normal human dermal fibroblasts. <i>International Wound Journal</i> , 2016, 13, 101-109.	1.3	52
14	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.	10.8	45
15	An Efficient Metal-Organic Framework-Derived Nickel Catalyst for the Light Driven Methanation of CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2021, 60, 26476-26482.	7.2	45
16	Long-Term Photostability in Terephthalate Metal-Organic Frameworks. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17843-17848.	7.2	40
17	Comparative cytotoxicity evaluation of different size gold nanoparticles in human dermal fibroblasts. <i>Journal of Experimental Nanoscience</i> , 2015, 10, 1401-1417.	1.3	36
18	Effects of silver and gold nanoparticles of different sizes in human pulmonary fibroblasts. <i>Toxicology Mechanisms and Methods</i> , 2015, 25, 287-295.	1.3	30

#	ARTICLE	IF	CITATIONS
19	<i>In vitro</i> evaluation of silver nanoparticles on human tumoral and normal cells. <i>Toxicology Mechanisms and Methods</i> , 2013, 23, 153-160.	1.3	25
20	Synergism of Au and Ru Nanoparticles in Low-Temperature Photoassisted CO ₂ Methanation. <i>Chemistry - A European Journal</i> , 2018, 24, 18436-18443.	1.7	23
21	The mechanism of photocatalytic CO ₂ reduction by graphene-supported Cu ₂ O probed by sacrificial electron donors. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 829-834.	1.6	19
22	Tunable Selectivity in CO ₂ Photo-Thermal Reduction by Perovskite-Supported Pd Nanoparticles. <i>ChemSusChem</i> , 2021, 14, 5525-5533.	3.6	15
23	Gas-Phase Photochemical Overall H ₂ S Splitting by UV Light Irradiation. <i>ChemSusChem</i> , 2017, 10, 1996-2000.	3.6	7
24	An Efficient Metal-Organic Framework-Derived Nickel Catalyst for the Light Driven Methanation of CO ₂ . <i>Angewandte Chemie</i> , 2021, 133, 26680-26686.	1.6	4
25	Plasmonic Titanium Nitride Tubes Decorated with Ru Nanoparticles as Photo-Thermal Catalyst for CO ₂ Methanation. <i>Molecules</i> , 2022, 27, 2701.	1.7	4
26	Structure-activity relationship in Ti phosphate-derived photocatalysts for H ₂ evolution. <i>Journal of Energy Chemistry</i> , 2017, 26, 295-301.	7.1	3
27	Frontispiz: An Efficient Metal-Organic Framework-Derived Nickel Catalyst for the Light Driven Methanation of CO ₂ . <i>Angewandte Chemie</i> , 2021, 133, .	1.6	0
28	Frontispiece: An Efficient Metal-Organic Framework-Derived Nickel Catalyst for the Light Driven Methanation of CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2021, 60, .	7.2	0