Anabel E Lanterna

List of Publications by Year
in descending order

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Version: 2024-02-01

50 papers	1,080 citations	471371 17 h-index	434063 31 g-index
51 all docs	51 docs citations	51 times ranked	1800 citing authors

#	Article	IF	Citations
1	Photocatalytic Hydrogen Generation Using Metal-Decorated TiO₂: Sacrificial Donors vs True Water Splitting. ACS Energy Letters, 2018, 3, 542-545.	8.8	113
2	Improving the Sunscreen Properties of TiO₂ through an Understanding of Its Catalytic Properties. ACS Omega, 2016, 1, 464-469.	1.6	94
3	Heterogeneous Photocatalytic Click Chemistry. Journal of the American Chemical Society, 2016, 138, 13127-13130.	6.6	82
4	Selective Photoinduced Antibacterial Activity of Amoxicillin-Coated Gold Nanoparticles: From One-Step Synthesis to in Vivo Cytocompatibility. ACS Omega, 2018, 3, 1220-1230.	1.6	55
5	Catalyst Decomposition during Olefin Metathesis Yields Isomerizationâ€Active Ruthenium Nanoparticles. ChemCatChem, 2016, 8, 2446-2449.	1.8	54
6	Light-Induced Sonogashira Câ€“C Coupling under Mild Conditions Using Supported Palladium Nanoparticles. ACS Sustainable Chemistry and Engineering, 2018, 6, 1717-1722.	3.2	50
7	Biocompatibility and photo-induced antibacterial activity of lignin-stabilized noble metal nanoparticles. RSC Advances, 2018, 8, 40454-40463.	1.7	46
8	A Mechanistic Study of Halogen Addition and Photoelimination from Ï€-Conjugated Tellurophenes. Journal of the American Chemical Society, 2016, 138, 2678-2689.	6.6	38
9	Tunable Photocatalytic Activity of Palladium-Decorated TiO₂: Non-Hydrogen-Mediated Hydrogenation or Isomerization of Benzyl-Substituted Alkenes. ACS Catalysis, 2017, 7, 250-255.	5.5	38
10	When Nanoparticle Size and Molecular Geometry Matter: Analyzing the Degree of Surface Functionalization of Gold Nanoparticles with Sulfur Heterocyclic Compounds. Journal of Physical Chemistry C, 2012, 116, 6520-6529.	1.5	35
11	Distinctive Interactions of Oleic Acid Covered Magnetic Nanoparticles with Saturated and Unsaturated Phospholipids in Langmuir Monolayers. Langmuir, 2014, 30, 5888-5896.	1.6	34
12	Expanding the Color Space in the Two-Color Heterogeneous Photocatalysis of Ullmann Câ€“C Coupling Reactions. ACS Catalysis, 2018, 8, 7593-7597.	5.5	33
13	Heterogeneous photocatalytic Câ€“C coupling: mechanism of plasmon-mediated reductive dimerization of benzyl bromides by supported gold nanoparticles. Catalysis Science and Technology, 2015, 5, 4336-4340.	2.1	30
14	Glass wool: a novel support for heterogeneous catalysis. Chemical Science, 2018, 9, 6844-6852.	3.7	30
15	Glass wool supported ruthenium complexes: versatile, recyclable heterogeneous photoredox catalysts. Catalysis Science and Technology, 2020, 10, 1273-1280.	2.1	26
16	Highly Electrophilic Titania Hole as a Versatile and Efficient Photochemical Free Radical Source. Journal of the American Chemical Society, 2019, 141, 4531-4535.	6.6	22
17	Enhanced catalytic electrochemical reduction of dissolved oxygen with ultraclean cucurbituril[7]-capped gold nanoparticles. Nanoscale, 2014, 6, 9550-9553.	2.8	21
18	Catalytic farming: reaction rotation extends catalyst performance. Chemical Science, 2019, 10, 1419-1425.	3.7	18

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19	Hydrophobic silver nanoparticles interacting with phospholipids and stratum corneum mimic membranes in Langmuir monolayers. Journal of Colloid and Interface Science, 2019, 543, 247-255.	5.0	16
20	Twoâ€Photon Excitation of a Plasmonic Nanoswitch Monitored by Singleâ€Molecule Fluorescence Microscopy. Chemistry - A European Journal, 2016, 22, 7281-7287.	1.7	15
21	Photophysics of 7-mercapto-4-methylcoumarin and derivatives: complementary fluorescence behaviour to 7-hydroxycoumarins. Photochemical and Photobiological Sciences, 2017, 16, 1284-1289.	1.6	15
22	Photochemical Dehalogenation of Aryl Halides: Importance of Halogen Bonding. Journal of Physical Chemistry A, 2019, 123, 10224-10229.	1.1	14
23	Is Single-Molecule Fluorescence Spectroscopy Ready To Join the Organic Chemistry Toolkit? A Test Case Involving Click Chemistry. Journal of Organic Chemistry, 2017, 82, 5011-5019.	1.7	13
24	From the molecule to the mole: improving heterogeneous copper catalyzed click chemistry using single molecule spectroscopy. Chemical Communications, 2017, 53, 328-331.	2.2	13
25	Thiol-Stabilized Gold Nanoparticles: New Ways To Displace Thiol Layers Using Yttrium or Lanthanide Chlorides. Langmuir, 2017, 33, 12149-12154.	1.6	13
26	Visible Light Production of Hydrogen by Ablated Graphene: Water Splitting or Carbon Gasification?. Journal of the American Chemical Society, 2017, 139, 11024-11027.	6.6	12
27	Click Chemistry: Mechanistic Insights into the Role of Amines Using Single-Molecule Spectroscopy. ACS Catalysis, 2017, 7, 8487-8492.	5.5	12
28	How Fast Can Thiols Bind to the Gold Nanoparticle Surface?. Photochemistry and Photobiology, 2018, 94, 1109-1115.	1.3	11
29	Cobalt-molybdenum co-catalyst for heterogeneous photocatalytic H-mediated transformations. Journal of Catalysis, 2019, 379, 33-38.	3.1	10
30	Peryleneâ€Grafted Silicas: Mechanistic Study and Applications in Heterogeneous Photoredox Catalysis. Chemistry - A European Journal, 2019, 25, 14928-14934.	1.7	10
31	Heterogeneous photocatalysis of azides: extending nitrene photochemistry to longer wavelengths. Chemical Communications, 2020, 56, 10239-10242.	2.2	10
32	Nitro to amine reductions using aqueous flow catalysis under ambient conditions. IScience, 2021, 24, 103472.	1.9	10
33	Evaluation of different Niâ€“semiconductor composites as electrodes for enhanced hydrogen evolution reaction. Sustainable Energy and Fuels, 2020, 4, 3963-3970.	2.5	8
34	Solar Driven Photocatalytic Activity of Porphyrin Sensitized TiO2: Experimental and Computational Studies. Molecules, 2021, 26, 3131.	1.7	8
35	Photoinduced Hydrogen Fuel Production and Water Decontamination Technologies. Orthogonal Strategies with a Parallel Future?. ACS Energy Letters, 2017, 2, 1909-1910.	8.8	7
36	Spectroscopic and Time-Dependent DFT Study of the Photophysical Properties of Substituted 1,4-Distyrylbenzenes. Journal of Physical Chemistry A, 2019, 123, 6496-6505.	1.1	7

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37	Decorated titania fibers as photocatalysts for hydrogen generation and organic matter degradation. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 388, 112185.	2.0	7
38	Mechanistic Insights on the Semihydrogenation of Alkynes over Different Nanostructured Photocatalysts. ACS Catalysis, 2021, 11, 4230-4238.	5.5	7
39	A general method to produce mesoporous oxide spherical particles through an aerosol method from aqueous solutions. Journal of Sol-Gel Science and Technology, 2020, 94, 195-204.	1.1	6
40	Photochemical benzylic radical arylation promoted by supported Pd nanostructures. Organic and Biomolecular Chemistry, 2020, 18, 6047-6052.	1.5	6
41	Niobium-based semiconductor electrodes for hydrogen evolution reaction. International Journal of Hydrogen Energy, 2019, 44, 31940-31948.	3.8	5
42	Decoration of glass wool with zinc (II) phthalocyanine for the photocatalytic transformation of methyl orange. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 432, 114127.	2.0	5
43	A green road map for heterogeneous photocatalysis. Pure and Applied Chemistry, 2020, 92, 63-73.	0.9	4
44	Photosensitized selective semi-oxidation of tetrahydroisoquinoline: a singlet oxygen path. Photochemical and Photobiological Sciences, 2022, , .	1.6	4
45	Synthesis of gold nanoparticles using electron-donating dithiafulvene units. Tetrahedron Letters, 2015, 56, 4871-4876.	0.7	3
46	Catalyst Decomposition during Olefin Metathesis Yields Isomerization-Active Ruthenium Nanoparticles. ChemCatChem, 2016, 8, 2424-2424.	1.8	3
47	Scale-up of a photochemical flow reactor for the production of lignin-coated titanium dioxide as a sunscreen ingredient. Journal of Photochemistry and Photobiology, 2021, 7, 100040.	1.1	3
48	Ni composite electrodes for hydrogen generation: Activation of Nb-based semiconductors. International Journal of Hydrogen Energy, 2022, , .	3.8	2
49	Thiosaccharine disulfide: Synthesis, crystal structure, spectroscopic characterization and theoretical study. Journal of Molecular Structure, 2013, 1032, 48-55.	1.8	1
50	Remarkable effect of the dithiafulvene structures on their capacity as reducing agents: Influence of conjugated thiocarbonyl group. Applied Surface Science, 2019, 465, 1061-1065.	3.1	1