MarÃ-a GonzÃ¡lez-BÃ©jar

List of Publications by Year
in descending order

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61 papers	1,884 citations	257101 24 h-index	264894 42 g-index
62 all docs	62 docs citations	62 times ranked	3434 citing authors

#	Article	IF	Citations
1	The biocompatibility and antibacterial properties of collagen-stabilized, photochemically prepared silver nanoparticles. Biomaterials, 2012, 33, 4947-4956.	5.7	200
2	The Luminescence of CH₃NH₃PbBr₃Perovskite Nanoparticles Crests the Summit and Their Photostability under Wet Conditions is Enhanced. Small, 2016, 12, 5245-5250.	5.2	116
3	Cucurbituril complexes cross the cell membrane. Photochemical and Photobiological Sciences, 2009, 8, 1743-1747.	1.6	101
4	Plasmon-Mediated Catalytic Oxidation of sec-Phenethyl and Benzyl Alcohols. Journal of Physical Chemistry C, 2011, 115, 10784-10790.	1.5	88
5	Rapid one-pot propargylamine synthesis by plasmon mediated catalysis with gold nanoparticles on ZnO under ambient conditions. Chemical Communications, 2013, 49, 1732.	2.2	79
6	Upconversion Nanoparticles for Bioimaging and Regenerative Medicine. Frontiers in Bioengineering and Biotechnology, 2016, 4, 47.	2.0	76
7	Methylene Blue Encapsulation in Cucurbit[7]uril: Laser Flash Photolysis and Near-IR Luminescence Studies of the Interaction with Oxygen. Langmuir, 2009, 25, 10490-10494.	1.6	74
8	Gold nanoparticle catalysis of the cisâ€“trans isomerization of azobenzene. Chemical Communications, 2013, 49, 10073.	2.2	73
9	Triggering the Generation of an Iron(IV)-Oxo Compound and Its Reactivity toward Sulfides by Ru^{II} Photocatalysis. Journal of the American Chemical Society, 2014, 136, 4624-4633.	6.6	72
10	Surface Plasmons Control the Dynamics of Excited Triplet States in the Presence of Gold Nanoparticles. Journal of the American Chemical Society, 2010, 132, 6298-6299.	6.6	68
11	Supported Gold Nanoparticles as Efficient Catalysts in the Solventless Plasmon Mediated Oxidation of sec-Phenethyl and Benzyl Alcohol. Journal of Physical Chemistry C, 2013, 117, 12279-12288.	1.5	56
12	Thin Amphiphilic Polymer-Capped Upconversion Nanoparticles: Enhanced Emission and Thermoresponsive Properties. Chemistry of Materials, 2014, 26, 4014-4022.	3.2	46
13	In Situ Colorimetric Quantification of Silver Cations in the Presence of Silver Nanoparticles. Analytical Chemistry, 2013, 85, 10013-10016.	3.2	45
14	Photobehavior of merocyanine 540 bound to human serum albumin. Photochemical and Photobiological Sciences, 2010, 9, 861-869.	1.6	43
15	Sensitive and Selective Plasmonic Assay for Spermine as Biomarker in Human Urine. Analytical Chemistry, 2014, 86, 1347-1351.	3.2	43
16	NIR excitation of upconversion nanohybrids containing a surface grafted Bodipy induces oxygen-mediated cancer cell death. Journal of Materials Chemistry B, 2014, 2, 4554-4563.	2.9	40
17	Tuning plasmon transitions and their applications in organic photochemistry. Pure and Applied Chemistry, 2011, 83, 913-930.	0.9	38
18	Efficient Cementing of CH₃NH₃PbBr₃ Nanoparticles to Upconversion Nanoparticles Visualized by Confocal Microscopy. Advanced Functional Materials, 2016, 26, 5131-5138.	7.8	36

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19	Understanding light-driven H₂ evolution through the electronic tuning of aminopyridine cobalt complexes. Chemical Science, 2018, 9, 2609-2619.	3.7	31
20	Nanohybrid for Photodynamic Therapy and Fluorescence Imaging Tracking without Therapy. Chemistry of Materials, 2018, 30, 3677-3682.	3.2	30
21	Insights into the Mechanism of Cumene Peroxidation Using Supported Gold and Silver Nanoparticles. ACS Catalysis, 2013, 3, 2062-2071.	5.5	28
22	Polysulfonate Cappings on Upconversion Nanoparticles Prevent Their Disintegration in Water and Provide Superior Stability in a Highly Acidic Medium. ACS Omega, 2019, 4, 3012-3019.	1.6	28
23	Orthogonal Functionalisation of Upconverting NaYF₄ Nanocrystals. Chemistry - A European Journal, 2013, 19, 13538-13546.	1.7	27
24	Ultraclean Derivatized Monodisperse Gold Nanoparticles through Laser Drop Ablation Customization of Polymorph Gold Nanostructures. Langmuir, 2012, 28, 8183-8189.	1.6	24
25	Upconversion luminescent nanoparticles in physical sensing and in monitoring physical processes in biological samples. Methods and Applications in Fluorescence, 2015, 3, 042002.	1.1	24
26	Mechanism of Triplet Photosensitized Dielsâ^'Alder Reaction between Indoles and Cyclohexadienes:Â Theoretical Support for an Adiabatic Pathway. Journal of Organic Chemistry, 2006, 71, 6932-6941.	1.7	23
27	Dry photochemical synthesis of hydrotalcite, Î³-Al2O3 and TiO2 supported gold nanoparticle catalysts. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 224, 8-15.	2.0	23
28	Stereoselective Interaction of Epimeric Naproxen-RGD Peptides with Human Serum Albumin. Biomacromolecules, 2010, 11, 2255-2260.	2.6	21
29	Enhanced catalytic electrochemical reduction of dissolved oxygen with ultraclean cucurbituril[7]-capped gold nanoparticles. Nanoscale, 2014, 6, 9550-9553.	2.8	21
30	Adenosine monophosphate-capped gold(<scp>i</scp>) nanoclusters: synthesis and lanthanide ion-induced enhancement of their luminescence. RSC Advances, 2016, 6, 17678-17682.	1.7	21
31	Linear Coassembly of Upconversion and Perovskite Nanoparticles: Sensitized Upconversion Emission of Perovskites by Lanthanideâ€Doped Nanoparticles. Advanced Functional Materials, 2020, 30, 2003766.	7.8	19
32	Positive Photocatalysis of a Dielsâ^'Alder Reaction by Quenching of Excited Naphthaleneâ^'Indole Charge-Transfer Complex with Cyclohexadiene. Organic Letters, 2007, 9, 453-456.	2.4	18
33	Unexpected solvent isotope effect on the triplet lifetime of methylene blue associated to cucurbit[7]uril. Photochemical and Photobiological Sciences, 2012, 11, 269-273.	1.6	18
34	Upconversion nanoparticles with a strong acid-resistant capping. Nanoscale, 2016, 8, 7588-7594.	2.8	18
35	7-Mercapto-4-methylcoumarin as a reporter of thiol binding to the CdSe quantum dot surface. Chemical Communications, 2009, , 3202.	2.2	17
36	Cucurbit[n]uril-capped upconversion nanoparticles as highly emissive scaffolds for energy acceptors. Nanoscale, 2015, 7, 5140-5146.	2.8	17

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37	Pyrene-benzoylthiophene bichromophores as selective triplet photosensitizers. Chemical Communications, 2005, , 5569.	2.2	16
38	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
39	Dielsâ^'Alder Reaction between Indoles and Cyclohexadienes Photocatalyzed by Ï€,Ï€* Aromatic Ketones. Organic Letters, 2004, 6, 3905-3908.	2.4	13
40	Photophysical characterization of atorvastatin (LipitorÂ®) ortho-hydroxy metabolite: role of hydroxyl group on the drug photochemistry. Photochemical and Photobiological Sciences, 2010, 9, 1378.	1.6	13
41	Breaking the Nd3+-sensitized upconversion nanoparticles myth about the need of onion-layered structures. Nanoscale, 2018, 10, 12297-12301.	2.8	12
42	CO2 switchable nanoparticles: reversible water/organic-phase exchange of gold nanoparticles by gas bubbling. RSC Advances, 2013, 3, 4867.	1.7	11
43	Epoxidation of stilbene using supported gold nanoparticles: cumyl peroxyl radical activation at the gold nanoparticle surface. Chemical Communications, 2014, 50, 2289.	2.2	11
44	Pyreneâ^'Benzoylthiophene Exciplexes as Selective Catalysts for the [2+2] Cycloaddition between Cyclohexadiene and Styrenes. Organic Letters, 2007, 9, 2067-2070.	2.4	10
45	Energy transfer in diiodoBodipy-grafted upconversion nanohybrids. Nanoscale, 2016, 8, 204-208.	2.8	10
46	Initial Biological Assessment of Upconversion Nanohybrids. Biomedicines, 2021, 9, 1419.	1.4	10
47	Texture and Phase Recognition Analysis of Î²-NaYF₄ Nanocrystals. Journal of Physical Chemistry C, 2014, 118, 11404-11408.	1.5	9
48	Lengthening the Lifetime of Common Emissive Probes to Microseconds by a Jigsawâ€Like Construction of NIRâ€Responsive Nanohybrids. Advanced Optical Materials, 2020, 8, 1902030.	3.6	8
49	A Metalâ€Free, Nonconjugated Polymer for Solar Photocatalysis. Chemistry - A European Journal, 2017, 23, 2867-2876.	1.7	7
50	On-off QD switch that memorizes past recovery from quenching by diazonium salts. Physical Chemistry Chemical Physics, 2010, 12, 9757.	1.3	6
51	Reversible phase transfer of quantum dots by gas bubbling. Green Materials, 2014, 2, 62-68.	1.1	6
52	5 Synergistic Effects in Organic-Coated Upconversion Nanoparticles. Nanomaterials and Their Applications, 2016, , 101-138.	0.0	5
53	Near-infrared excitation/emission microscopy with lanthanide-based nanoparticles. Analytical and Bioanalytical Chemistry, 2022, 414, 4291-4310.	1.9	5
54	NIR laser scanning microscopy for photophysical characterization of upconversion nanoparticles and nanohybrids. Nanoscale, 2021, 13, 10067-10080.	2.8	4

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55	Application of the Generalized Molarâ€Ratio Method to the Determination of the Stoichiometry and Apparent Binding Constant of Nanoparticleâ€Organic Capping Systems. Electroanalysis, 2015, 27, 2302-2312.	1.5	3
56	Diels-Alder reaction between indoles and cyclohexadienes photocatalyzed by a (thia)pyrylium salt. Arkivoc, 2007, 2007, 344-355.	0.3	3
57	Ketorolac beats ketoprofen: lower photodecarboxylation, photohemolysis and phototoxicity. MedChemComm, 2013, 4, 1619.	3.5	2
58	Silver Nanoparticles in Heterogeneous Plasmon Mediated Catalysis. Engineering Materials, 2015, , 71-92.	0.3	2
59	Functional Nanohybrids Based on Dyes and Upconversion Nanoparticles. Structure and Bonding, 2020, , 371-396.	1.0	1
60	Correction: NIR laser scanning microscopy for photophysical characterization of upconversion nanoparticles and nanohybrids. Nanoscale, 2021, 13, 14254-14254.	2.8	0
61	Photoactive Hybrid Materials based on Conjugated Porous Polymers and Inorganic Nanoparticles. Advanced Photonics Research, 2021, 2, 2100060.	1.7	0