

# MarÃ-a GonzÃ;lez-BÃ©jar

## List of Publications by Year in descending order

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61  
papers

1,884  
citations

293460

24  
h-index

299063

42  
g-index

62  
all docs

62  
docs citations

62  
times ranked

3871  
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-infrared excitation/emission microscopy with lanthanide-based nanoparticles. Analytical and Bioanalytical Chemistry, 2022, 414, 4291-4310.	1.9	5
2	Correction: NIR laser scanning microscopy for photophysical characterization of upconversion nanoparticles and nanohybrids. Nanoscale, 2021, 13, 14254-14254.	2.8	0
3	NIR laser scanning microscopy for photophysical characterization of upconversion nanoparticles and nanohybrids. Nanoscale, 2021, 13, 10067-10080.	2.8	4
4	Photoactive Hybrid Materials based on Conjugated Porous Polymers and Inorganic Nanoparticles. Advanced Photonics Research, 2021, 2, 2100060.	1.7	0
5	Initial Biological Assessment of Upconversion Nanohybrids. Biomedicines, 2021, 9, 1419.	1.4	10
6	Linear Coassembly of Upconversion and Perovskite Nanoparticles: Sensitized Upconversion Emission of Perovskites by Lanthanide-Doped Nanoparticles. Advanced Functional Materials, 2020, 30, 2003766.	7.8	19
7	Functional Nanohybrids Based on Dyes and Upconversion Nanoparticles. Structure and Bonding, 2020, , 371-396.	1.0	1
8	Lengthening the Lifetime of Common Emissive Probes to Microseconds by a Jigsaw-Like Construction of NIR-Responsive Nanohybrids. Advanced Optical Materials, 2020, 8, 1902030.	3.6	8
9	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
10	Understanding light-driven H <sub>2</sub> evolution through the electronic tuning of aminopyridine cobalt complexes. Chemical Science, 2018, 9, 2609-2619.	3.7	31
11	Nano hybrid for Photodynamic Therapy and Fluorescence Imaging Tracking without Therapy. Chemistry of Materials, 2018, 30, 3677-3682.	3.2	30
12	Breaking the Nd <sup>3+</sup> -sensitized upconversion nanoparticles myth about the need of onion-layered structures. Nanoscale, 2018, 10, 12297-12301.	2.8	12
13	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
14	A Metal-Free, Nonconjugated Polymer for Solar Photocatalysis. Chemistry - A European Journal, 2017, 23, 2867-2876.	1.7	7
15	Upconversion Nanoparticles for Bioimaging and Regenerative Medicine. Frontiers in Bioengineering and Biotechnology, 2016, 4, 47.	2.0	76
16	Efficient Cementing of CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Nanoparticles to Upconversion Nanoparticles Visualized by Confocal Microscopy. Advanced Functional Materials, 2016, 26, 5131-5138.	7.8	36
17	Adenosine monophosphate-capped gold( <i>scpi</i> ) nanoclusters: synthesis and lanthanide ion-induced enhancement of their luminescence. RSC Advances, 2016, 6, 17678-17682.	1.7	21
18	5 Synergistic Effects in Organic-Coated Upconversion Nanoparticles. Nanomaterials and Their Applications, 2016, , 101-138.	0.0	5

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19	The Luminescence of CH <sub>3</sub> NH <sub>3</sub> PbBr <sub>3</sub> Perovskite Nanoparticles Crests the Summit and Their Photostability under Wet Conditions is Enhanced. <i>Small</i> , 2016, 12, 5245-5250.	5.2	116
20	Upconversion nanoparticles with a strong acid-resistant capping. <i>Nanoscale</i> , 2016, 8, 7588-7594.	2.8	18
21	Energy transfer in diiodoBodipy-grafted upconversion nanohybrids. <i>Nanoscale</i> , 2016, 8, 204-208.	2.8	10
22	Application of the Generalized Molar Ratio Method to the Determination of the Stoichiometry and Apparent Binding Constant of Nanoparticle-Organic Capping Systems. <i>Electroanalysis</i> , 2015, 27, 2302-2312.	1.5	3
23	Cucurbit[ <i>n</i> ]uril-capped upconversion nanoparticles as highly emissive scaffolds for energy acceptors. <i>Nanoscale</i> , 2015, 7, 5140-5146.	2.8	17
24	Silver Nanoparticles in Heterogeneous Plasmon Mediated Catalysis. <i>Engineering Materials</i> , 2015, , 71-92.	0.3	2
25	Upconversion luminescent nanoparticles in physical sensing and in monitoring physical processes in biological samples. <i>Methods and Applications in Fluorescence</i> , 2015, 3, 042002.	1.1	24
26	Triggering the Generation of an Iron(IV)-Oxo Compound and Its Reactivity toward Sulfides by Ru <sup>II</sup> Photocatalysis. <i>Journal of the American Chemical Society</i> , 2014, 136, 4624-4633.	6.6	72
27	Enhanced catalytic electrochemical reduction of dissolved oxygen with ultraclean cucurbituril[7]-capped gold nanoparticles. <i>Nanoscale</i> , 2014, 6, 9550-9553.	2.8	21
28	NIR excitation of upconversion nanohybrids containing a surface grafted Bodipy induces oxygen-mediated cancer cell death. <i>Journal of Materials Chemistry B</i> , 2014, 2, 4554-4563.	2.9	40
29	Thin Amphiphilic Polymer-Capped Upconversion Nanoparticles: Enhanced Emission and Thermoresponsive Properties. <i>Chemistry of Materials</i> , 2014, 26, 4014-4022.	3.2	46
30	Epoxidation of stilbene using supported gold nanoparticles: cumyl peroxy radical activation at the gold nanoparticle surface. <i>Chemical Communications</i> , 2014, 50, 2289.	2.2	11
31	Reversible phase transfer of quantum dots by gas bubbling. <i>Green Materials</i> , 2014, 2, 62-68.	1.1	6
32	Sensitive and Selective Plasmonic Assay for Spermine as Biomarker in Human Urine. <i>Analytical Chemistry</i> , 2014, 86, 1347-1351.	3.2	43
33	Texture and Phase Recognition Analysis of $\text{F}^{2-}\text{NaYF}_4$ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11404-11408.	1.5	9
34	Insights into the Mechanism of Cumene Peroxidation Using Supported Gold and Silver Nanoparticles. <i>ACS Catalysis</i> , 2013, 3, 2062-2071.	5.5	28
35	In Situ Colorimetric Quantification of Silver Cations in the Presence of Silver Nanoparticles. <i>Analytical Chemistry</i> , 2013, 85, 10013-10016.	3.2	45
36	Orthogonal Functionalisation of Upconverting NaYF <sub>4</sub> Nanocrystals. <i>Chemistry - A European Journal</i> , 2013, 19, 13538-13546.	1.7	27

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37	Ketorolac beats ketoprofen: lower photodecarboxylation, photohemolysis and phototoxicity. <i>MedChemComm</i> , 2013, 4, 1619.	3.5	2
38	Rapid one-pot propargylamine synthesis by plasmon mediated catalysis with gold nanoparticles on ZnO under ambient conditions. <i>Chemical Communications</i> , 2013, 49, 1732.	2.2	79
39	CO <sub>2</sub> switchable nanoparticles: reversible water/organic-phase exchange of gold nanoparticles by gas bubbling. <i>RSC Advances</i> , 2013, 3, 4867.	1.7	11
40	Supported Gold Nanoparticles as Efficient Catalysts in the Solventless Plasmon Mediated Oxidation of <i>p</i> -Phenethyl and Benzyl Alcohol. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12279-12288.	1.5	56
41	Gold nanoparticle catalysis of the <i>cis</i> → <i>trans</i> isomerization of azobenzene. <i>Chemical Communications</i> , 2013, 49, 10073.	2.2	73
42	Ultraclean Derivatized Monodisperse Gold Nanoparticles through Laser Drop Ablation Customization of Polymorph Gold Nanostructures. <i>Langmuir</i> , 2012, 28, 8183-8189.	1.6	24
43	Unexpected solvent isotope effect on the triplet lifetime of methylene blue associated to cucurbit[7]uril. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 269-273.	1.6	18
44	The biocompatibility and antibacterial properties of collagen-stabilized, photochemically prepared silver nanoparticles. <i>Biomaterials</i> , 2012, 33, 4947-4956.	5.7	200
45	Tuning plasmon transitions and their applications in organic photochemistry. <i>Pure and Applied Chemistry</i> , 2011, 83, 913-930.	0.9	38
46	Plasmon-Mediated Catalytic Oxidation of <i>p</i> -Phenethyl and Benzyl Alcohols. <i>Journal of Physical Chemistry C</i> , 2011, 115, 10784-10790.	1.5	88
47	Dry photochemical synthesis of hydrotalcite, $\gamma$ -Al <sub>2</sub> O <sub>3</sub> and TiO <sub>2</sub> supported gold nanoparticle catalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 224, 8-15.	2.0	23
48	Photobehavior of merocyanine 540 bound to human serum albumin. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 861-869.	1.6	43
49	Stereoselective Interaction of Epimeric Naproxen-RGD Peptides with Human Serum Albumin. <i>Biomacromolecules</i> , 2010, 11, 2255-2260.	2.6	21
50	Surface Plasmons Control the Dynamics of Excited Triplet States in the Presence of Gold Nanoparticles. <i>Journal of the American Chemical Society</i> , 2010, 132, 6298-6299.	6.6	68
51	Photophysical characterization of atorvastatin (Lipitor®) ortho-hydroxy metabolite: role of hydroxyl group on the drug photochemistry. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 1378.	1.6	13
52	On-off QD switch that memorizes past recovery from quenching by diazonium salts. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9757.	1.3	6
53	Cucurbituril complexes cross the cell membrane. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1743-1747.	1.6	101
54	Methylene Blue Encapsulation in Cucurbit[7]uril: Laser Flash Photolysis and Near-IR Luminescence Studies of the Interaction with Oxygen. <i>Langmuir</i> , 2009, 25, 10490-10494.	1.6	74

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55	7-Mercapto-4-methylcoumarin as a reporter of thiol binding to the CdSe quantum dot surface. <i>Chemical Communications</i> , 2009, , 3202.	2.2	17
56	Pyrene-Benzoylthiophene Exciplexes as Selective Catalysts for the [2+2] Cycloaddition between Cyclohexadiene and Styrenes. <i>Organic Letters</i> , 2007, 9, 2067-2070.	2.4	10
57	Positive Photocatalysis of a Diels-Alder Reaction by Quenching of Excited Naphthalene-Indole Charge-Transfer Complex with Cyclohexadiene. <i>Organic Letters</i> , 2007, 9, 453-456.	2.4	18
58	Diels-Alder reaction between indoles and cyclohexadienes photocatalyzed by a (thia)pyrylium salt. <i>Arkivoc</i> , 2007, 2007, 344-355.	0.3	3
59	Mechanism of Triplet Photosensitized Diels-Alder Reaction between Indoles and Cyclohexadienes: Theoretical Support for an Adiabatic Pathway. <i>Journal of Organic Chemistry</i> , 2006, 71, 6932-6941.	1.7	23
60	Pyrene-benzoylthiophene bichromophores as selective triplet photosensitizers. <i>Chemical Communications</i> , 2005, , 5569.	2.2	16
61	Diels-Alder Reaction between Indoles and Cyclohexadienes Photocatalyzed by $\text{I}_2^*$ Aromatic Ketones. <i>Organic Letters</i> , 2004, 6, 3905-3908.	2.4	13