

# 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  | 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        |