

Mara Gonzalez-Bjar

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

61
papers

1,605
citations

23
h-index

38
g-index

62
ext. papers

1,737
ext. citations

6.2
avg, IF

4.56
L-index

#	Paper	IF	Citations
61	Near-infrared excitation/emission microscopy with lanthanide-based nanoparticles.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	1
60	Initial Biological Assessment of Upconversion Nanohybrids. <i>Biomedicines</i> , 2021 , 9,	4.8	3
59	Photoactive Hybrid Materials based on Conjugated Porous Polymers and Inorganic Nanoparticles. <i>Advanced Photonics Research</i> , 2021 , 2, 2100060	1.9	
58	Correction: NIR laser scanning microscopy for photophysical characterization of upconversion nanoparticles and nanohybrids. <i>Nanoscale</i> , 2021 , 13, 14254	7.7	
57	NIR laser scanning microscopy for photophysical characterization of upconversion nanoparticles and nanohybrids. <i>Nanoscale</i> , 2021 , 13, 10067-10080	7.7	3
56	Lengthening the Lifetime of Common Emissive Probes to Microseconds by a Jigsaw-Like Construction of NIR-Responsive Nanohybrids. <i>Advanced Optical Materials</i> , 2020 , 8, 1902030	8.1	3
55	Linear Coassembly of Upconversion and Perovskite Nanoparticles: Sensitized Upconversion Emission of Perovskites by Lanthanide-Doped Nanoparticles. <i>Advanced Functional Materials</i> , 2020 , 30, 2003766	15.6	9
54	Functional Nanohybrids Based on Dyes and Upconversion Nanoparticles. <i>Structure and Bonding</i> , 2020 , 371-396	0.9	
53	Polysulfonate Cappings on Upconversion Nanoparticles Prevent Their Disintegration in Water and Provide Superior Stability in a Highly Acidic Medium. <i>ACS Omega</i> , 2019 , 4, 3012-3019	3.9	21
52	Understanding light-driven H evolution through the electronic tuning of aminopyridine cobalt complexes. <i>Chemical Science</i> , 2018 , 9, 2609-2619	9.4	24
51	Nanohybrid for Photodynamic Therapy and Fluorescence Imaging Tracking without Therapy. <i>Chemistry of Materials</i> , 2018 , 30, 3677-3682	9.6	24
50	Breaking the Nd-sensitized upconversion nanoparticles myth about the need of onion-layered structures. <i>Nanoscale</i> , 2018 , 10, 12297-12301	7.7	10
49	Photophysics of 7-mercapto-4-methylcoumarin and derivatives: complementary fluorescence behaviour to 7-hydroxycoumarins. <i>Photochemical and Photobiological Sciences</i> , 2017 , 16, 1284-1289	4.2	8
48	A Metal-Free, Nonconjugated Polymer for Solar Photocatalysis. <i>Chemistry - A European Journal</i> , 2017 , 23, 2867-2876	4.8	6
47	The Luminescence of CH ₃ NH ₃ PbBr ₃ Perovskite Nanoparticles Crests the Summit and Their Photostability under Wet Conditions is Enhanced. <i>Small</i> , 2016 , 12, 5245-5250	11	98
46	Upconversion nanoparticles with a strong acid-resistant capping. <i>Nanoscale</i> , 2016 , 8, 7588-94	7.7	14
45	Energy transfer in diiodoBodipy-grafted upconversion nanohybrids. <i>Nanoscale</i> , 2016 , 8, 204-8	7.7	9

44	Upconversion Nanoparticles for Bioimaging and Regenerative Medicine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016 , 4, 47	5.8	61
43	Efficient Cementing of CH ₃ NH ₃ PbBr ₃ Nanoparticles to Upconversion Nanoparticles Visualized by Confocal Microscopy. <i>Advanced Functional Materials</i> , 2016 , 26, 5131-5138	15.6	30
42	Adenosine monophosphate-capped gold(I) nanoclusters: synthesis and lanthanide ion-induced enhancement of their luminescence. <i>RSC Advances</i> , 2016 , 6, 17678-17682	3.7	18
41	5 Synergistic Effects in Organic-Coated Upconversion Nanoparticles. <i>Nanomaterials and Their Applications</i> , 2016 , 101-138		4
40	Silver Nanoparticles in Heterogeneous Plasmon Mediated Catalysis. <i>Engineering Materials</i> , 2015 , 71-92	0.4	2
39	Upconversion luminescent nanoparticles in physical sensing and in monitoring physical processes in biological samples. <i>Methods and Applications in Fluorescence</i> , 2015 , 3, 042002	3.1	20
38	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		2
37	Cucurbit[n]uril-capped upconversion nanoparticles as highly emissive scaffolds for energy acceptors. <i>Nanoscale</i> , 2015 , 7, 5140-6	7.7	15
36	Triggering the generation of an iron(IV)-oxo compound and its reactivity toward sulfides by Ru(II) photocatalysis. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4624-33	16.4	70
35	Enhanced catalytic electrochemical reduction of dissolved oxygen with ultraclean cucurbituril[7]-capped gold nanoparticles. <i>Nanoscale</i> , 2014 , 6, 9550-3	7.7	17
34	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	7.3	35
33	Thin Amphiphilic Polymer-Capped Upconversion Nanoparticles: Enhanced Emission and Thermoresponsive Properties. <i>Chemistry of Materials</i> , 2014 , 26, 4014-4022	9.6	40
32	Epoxidation of stilbene using supported gold nanoparticles: cumyl peroxy radical activation at the gold nanoparticle surface. <i>Chemical Communications</i> , 2014 , 50, 2289-91	5.8	9
31	Reversible phase transfer of quantum dots by gas bubbling. <i>Green Materials</i> , 2014 , 2, 62-68	3.2	5
30	Sensitive and selective plasmonic assay for spermine as biomarker in human urine. <i>Analytical Chemistry</i> , 2014 , 86, 1347-51	7.8	34
29	Texture and Phase Recognition Analysis of FNaYF ₄ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 11404-11408	3.8	7
28	Insights into the Mechanism of Cumene Peroxidation Using Supported Gold and Silver Nanoparticles. <i>ACS Catalysis</i> , 2013 , 3, 2062-2071	13.1	24
27	In situ colorimetric quantification of silver cations in the presence of silver nanoparticles. <i>Analytical Chemistry</i> , 2013 , 85, 10013-6	7.8	36

26	Orthogonal functionalisation of upconverting NaYF ₄ nanocrystals. <i>Chemistry - A European Journal</i> , 2013 , 19, 13538-46	4.8	26
25	Ketorolac beats ketoprofen: lower photodecarboxylation, photohemolysis and phototoxicity. <i>MedChemComm</i> , 2013 , 4, 1619	5	2
24	Rapid one-pot propargylamine synthesis by plasmon mediated catalysis with gold nanoparticles on ZnO under ambient conditions. <i>Chemical Communications</i> , 2013 , 49, 1732-4	5.8	72
23	CO ₂ switchable nanoparticles: reversible water/organic-phase exchange of gold nanoparticles by gas bubbling. <i>RSC Advances</i> , 2013 , 3, 4867	3.7	11
22	Supported Gold Nanoparticles as Efficient Catalysts in the Solventless Plasmon Mediated Oxidation of sec-Phenethyl and Benzyl Alcohol. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 12279-12288	3.8	52
21	Gold nanoparticle catalysis of the cis-trans isomerization of azobenzene. <i>Chemical Communications</i> , 2013 , 49, 10073-5	5.8	59
20	The biocompatibility and antibacterial properties of collagen-stabilized, photochemically prepared silver nanoparticles. <i>Biomaterials</i> , 2012 , 33, 4947-56	15.6	172
19	Ultraclean derivatized monodisperse gold nanoparticles through laser drop ablation customization of polymorph gold nanostructures. <i>Langmuir</i> , 2012 , 28, 8183-9	4	24
18	Unexpected solvent isotope effect on the triplet lifetime of methylene blue associated to cucurbit[7]uril. <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 269-73	4.2	12
17	Tuning plasmon transitions and their applications in organic photochemistry. <i>Pure and Applied Chemistry</i> , 2011 , 83, 913-930	2.1	36
16	Plasmon-Mediated Catalytic Oxidation of sec-Phenethyl and Benzyl Alcohols. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10784-10790	3.8	82
15	Dry photochemical synthesis of hydrotalcite, Al ₂ O ₃ and TiO ₂ supported gold nanoparticle catalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011 , 224, 8-15	4.7	22
14	Photobehavior of merocyanine 540 bound to human serum albumin. <i>Photochemical and Photobiological Sciences</i> , 2010 , 9, 861-9	4.2	40
13	Stereoselective interaction of epimeric naproxen-RGD peptides with human serum albumin. <i>Biomacromolecules</i> , 2010 , 11, 2255-60	6.9	20
12	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, 6298-9	16.4	62
11	Photophysical characterization of atorvastatin (Lipitor®) ortho-hydroxy metabolite: role of hydroxyl group on the drug photochemistry. <i>Photochemical and Photobiological Sciences</i> , 2010 , 9, 1378-84	4.2	9
10	On-off QD switch that memorizes past recovery from quenching by diazonium salts. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 9757-62	3.6	4
9	Cucurbituril complexes cross the cell membrane. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 1743-7	4.2	83

8	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, 10490-4	4	66
7	7-mercapto-4-methylcoumarin as a reporter of thiol binding to the CdSe quantum dot surface. <i>Chemical Communications</i> , 2009 , 3202-4	5.8	14
6	Pyrene-benzoylthiophene exciplexes as selective catalysts for the [2+2] cycloaddition between cyclohexadiene and styrenes. <i>Organic Letters</i> , 2007 , 9, 2067-70	6.2	8
5	Positive photocatalysis of a Diels-Alder reaction by quenching of excited naphthalene-indole charge-transfer complex with cyclohexadiene. <i>Organic Letters</i> , 2007 , 9, 453-6	6.2	15
4	Diels-Alder reaction between indoles and cyclohexadienes photocatalyzed by a (thia)pyrylium salt. <i>Arkivoc</i> , 2007 , 2007, 344-355	0.9	2
3	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, 6932-41	4.2	23
2	Pyrene-benzoylthiophene bichromophores as selective triplet photosensitizers. <i>Chemical Communications</i> , 2005 , 5569-71	5.8	15
1	Diels-Alder reaction between indoles and cyclohexadienes photocatalyzed by pi,pi aromatic ketones. <i>Organic Letters</i> , 2004 , 6, 3905-8	6.2	12