

MarÃ-a GonzÃ;lez-BÃ©jar

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/207562/publications.pdf>

Version: 2024-02-01

61
papers

1,884
citations

257450

24
h-index

265206

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. <i>Biomaterials</i> , 2012, 33, 4947-4956.	11.4	200
2	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.	10.0	116
3	Cucurbituril complexes cross the cell membrane. <i>Photochemical and Photobiological Sciences</i> , 2009, 8, 1743-1747.	2.9	101
4	Plasmon-Mediated Catalytic Oxidation of <i>sec</i> -Phenethyl and Benzyl Alcohols. <i>Journal of Physical Chemistry C</i> , 2011, 115, 10784-10790.	3.1	88
5	Rapid one-pot propargylamine synthesis by plasmon mediated catalysis with gold nanoparticles on ZnO under ambient conditions. <i>Chemical Communications</i> , 2013, 49, 1732.	4.1	79
6	Upconversion Nanoparticles for Bioimaging and Regenerative Medicine. <i>Frontiers in Bioengineering and Biotechnology</i> , 2016, 4, 47.	4.1	76
7	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.	3.5	74
8	Gold nanoparticle catalysis of the cis \leftrightarrow trans isomerization of azobenzene. <i>Chemical Communications</i> , 2013, 49, 10073.	4.1	73
9	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, 4624-4633.	13.7	72
10	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.	13.7	68
11	Supported Gold Nanoparticles as Efficient Catalysts in the Solventless Plasmon Mediated Oxidation of <i>sec</i> -Phenethyl and Benzyl Alcohol. <i>Journal of Physical Chemistry C</i> , 2013, 117, 12279-12288.	3.1	56
12	Thin Amphiphilic Polymer-Capped Upconversion Nanoparticles: Enhanced Emission and Thermoresponsive Properties. <i>Chemistry of Materials</i> , 2014, 26, 4014-4022.	6.7	46
13	In Situ Colorimetric Quantification of Silver Cations in the Presence of Silver Nanoparticles. <i>Analytical Chemistry</i> , 2013, 85, 10013-10016.	6.5	45
14	Photobehavior of merocyanine 540 bound to human serum albumin. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 861-869.	2.9	43
15	Sensitive and Selective Plasmonic Assay for Spermine as Biomarker in Human Urine. <i>Analytical Chemistry</i> , 2014, 86, 1347-1351.	6.5	43
16	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.	5.8	40
17	Tuning plasmon transitions and their applications in organic photochemistry. <i>Pure and Applied Chemistry</i> , 2011, 83, 913-930.	1.9	38
18	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.	14.9	36

#	ARTICLE	IF	CITATIONS
19	Understanding light-driven H ₂ evolution through the electronic tuning of aminopyridine cobalt complexes. <i>Chemical Science</i> , 2018, 9, 2609-2619.	7.4	31
20	Nanohybrid for Photodynamic Therapy and Fluorescence Imaging Tracking without Therapy. <i>Chemistry of Materials</i> , 2018, 30, 3677-3682.	6.7	30
21	Insights into the Mechanism of Cumene Peroxidation Using Supported Gold and Silver Nanoparticles. <i>ACS Catalysis</i> , 2013, 3, 2062-2071.	11.2	28
22	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.	3.5	28
23	Orthogonal Functionalisation of Upconverting NaYF ₄ Nanocrystals. <i>Chemistry - A European Journal</i> , 2013, 19, 13538-13546.	3.3	27
24	Ultraclean Derivatized Monodisperse Gold Nanoparticles through Laser Drop Ablation Customization of Polymorph Gold Nanostructures. <i>Langmuir</i> , 2012, 28, 8183-8189.	3.5	24
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.	2.3	24
26	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.	3.2	23
27	Dry photochemical synthesis of hydrotalcite, γ -Al ₂ O ₃ and TiO ₂ supported gold nanoparticle catalysts. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 224, 8-15.	3.9	23
28	Stereoselective Interaction of Epimeric Naproxen-RGD Peptides with Human Serum Albumin. <i>Biomacromolecules</i> , 2010, 11, 2255-2260.	5.4	21
29	Enhanced catalytic electrochemical reduction of dissolved oxygen with ultraclean cucurbituril[7]-capped gold nanoparticles. <i>Nanoscale</i> , 2014, 6, 9550-9553.	5.6	21
30	Adenosine monophosphate-capped gold (Au) nanoclusters: synthesis and lanthanide ion-induced enhancement of their luminescence. <i>RSC Advances</i> , 2016, 6, 17678-17682.	3.6	21
31	Linear Coassembly of Upconversion and Perovskite Nanoparticles: Sensitized Upconversion Emission of Perovskites by Lanthanide-Doped Nanoparticles. <i>Advanced Functional Materials</i> , 2020, 30, 2003766.	14.9	19
32	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.	4.6	18
33	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.	2.9	18
34	Upconversion nanoparticles with a strong acid-resistant capping. <i>Nanoscale</i> , 2016, 8, 7588-7594.	5.6	18
35	7-Mercapto-4-methylcoumarin as a reporter of thiol binding to the CdSe quantum dot surface. <i>Chemical Communications</i> , 2009, , 3202.	4.1	17
36	Cucurbit[<i>n</i>]uril-capped upconversion nanoparticles as highly emissive scaffolds for energy acceptors. <i>Nanoscale</i> , 2015, 7, 5140-5146.	5.6	17

#	ARTICLE	IF	CITATIONS
37	Pyrene-benzoylthiophene bichromophores as selective triplet photosensitizers. <i>Chemical Communications</i> , 2005, , 5569.	4.1	16
38	Photophysics of 7-mercapto-4-methylcoumarin and derivatives: complementary fluorescence behaviour to 7-hydroxycoumarins. <i>Photochemical and Photobiological Sciences</i> , 2017, 16, 1284-1289.	2.9	15
39	Diels-Alder Reaction between Indoles and Cyclohexadienes Photocatalyzed by Ir^{III} Aromatic Ketones. <i>Organic Letters</i> , 2004, 6, 3905-3908.	4.6	13
40	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.	2.9	13
41	Breaking the Nd ³⁺ -sensitized upconversion nanoparticles myth about the need of onion-layered structures. <i>Nanoscale</i> , 2018, 10, 12297-12301.	5.6	12
42	CO ₂ switchable nanoparticles: reversible water/organic-phase exchange of gold nanoparticles by gas bubbling. <i>RSC Advances</i> , 2013, 3, 4867.	3.6	11
43	Epoxidation of stilbene using supported gold nanoparticles: cumyl peroxy radical activation at the gold nanoparticle surface. <i>Chemical Communications</i> , 2014, 50, 2289.	4.1	11
44	Pyrene-Benzoylthiophene Exciplexes as Selective Catalysts for the [2+2] Cycloaddition between Cyclohexadiene and Styrenes. <i>Organic Letters</i> , 2007, 9, 2067-2070.	4.6	10
45	Energy transfer in diiodoBodipy-grafted upconversion nanohybrids. <i>Nanoscale</i> , 2016, 8, 204-208.	5.6	10
46	Initial Biological Assessment of Upconversion Nanohybrids. <i>Biomedicines</i> , 2021, 9, 1419.	3.2	10
47	Texture and Phase Recognition Analysis of F^{2-} -NaYF ₄ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11404-11408.	3.1	9
48	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.	7.3	8
49	A Metal-Free, Nonconjugated Polymer for Solar Photocatalysis. <i>Chemistry - A European Journal</i> , 2017, 23, 2867-2876.	3.3	7
50	On-off QD switch that memorizes past recovery from quenching by diazonium salts. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9757.	2.8	6
51	Reversible phase transfer of quantum dots by gas bubbling. <i>Green Materials</i> , 2014, 2, 62-68.	2.1	6
52	5 Synergistic Effects in Organic-Coated Upconversion Nanoparticles. <i>Nanomaterials and Their Applications</i> , 2016, , 101-138.	0.0	5
53	Near-infrared excitation/emission microscopy with lanthanide-based nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4291-4310.	3.7	5
54	NIR laser scanning microscopy for photophysical characterization of upconversion nanoparticles and nanohybrids. <i>Nanoscale</i> , 2021, 13, 10067-10080.	5.6	4

#	ARTICLE	IF	CITATIONS
55	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.	2.9	3
56	Diels-Alder reaction between indoles and cyclohexadienes photocatalyzed by a (thia)pyrylium salt. <i>Arkivoc</i> , 2007, 2007, 344-355.	0.5	3
57	Ketorolac beats ketoprofen: lower photodecarboxylation, photohemolysis and phototoxicity. <i>MedChemComm</i> , 2013, 4, 1619.	3.4	2
58	Silver Nanoparticles in Heterogeneous Plasmon Mediated Catalysis. <i>Engineering Materials</i> , 2015, , 71-92.	0.6	2
59	Functional Nanohybrids Based on Dyes and Upconversion Nanoparticles. <i>Structure and Bonding</i> , 2020, , 371-396.	1.0	1
60	Correction: NIR laser scanning microscopy for photophysical characterization of upconversion nanoparticles and nanohybrids. <i>Nanoscale</i> , 2021, 13, 14254-14254.	5.6	0
61	Photoactive Hybrid Materials based on Conjugated Porous Polymers and Inorganic Nanoparticles. <i>Advanced Photonics Research</i> , 2021, 2, 2100060.	3.6	0