Raquel E Galian

List of Publications by Citations

64 papers	2,926 citations	24 h-index	53 g-index
68 ext. papers	3,408 ext. citations	7.1 avg, IF	5.24 L-index

#	Paper	IF	Citations
64	Nontemplate synthesis of CH3NH3PbBr3 perovskite nanoparticles. *Journal of the American Chemical Society*, **2014**, 136, 850-3	16.4	937
63	Maximizing the emissive properties of CH3NH3PbBr3 perovskite nanoparticles. *Journal of Materials Chemistry A*, **2015**, 3, 9187-9193	13	273
62	State of the Art and Prospects for Halide Perovskite Nanocrystals. *ACS Nano*, **2021**, 15, 10775-10981	16.7	222
61	Organometal Halide Perovskites: Bulk Low-Dimension Materials and Nanoparticles. *Particle and Particle Systems Characterization*, **2015**, 32, 709-720	3.1	111
60	Delayed Luminescence in Lead Halide Perovskite Nanocrystals. *Journal of Physical Chemistry C*, **2017**, 121, 13381-13390	3.8	109
59	The Luminescence of CH NH PbBr Perovskite Nanoparticles Crests the Summit and Their Photostability under Wet Conditions is Enhanced. *Small*, **2016**, 12, 5245-5250	11	98
58	Non-linear effects in the quenching of fluorescent quantum dots by nitroxyl free radicals. *Chemical Communications*, **2006**, 257-9	5.8	76
57	The use of quantum dots in organic chemistry. *TrAC - Trends in Analytical Chemistry*, **2009**, 28, 279-291	14.6	73
56	Blue-luminescent organic lead bromide perovskites: highly dispersible and photostable materials. *Journal of Materials Chemistry A*, **2015**, 3, 14039-14045	13	72
55	Photoluminescence enhancement of CdSe quantum dots: a case of organogel-nanoparticle symbiosis. *Journal of the American Chemical Society*, **2012**, 134, 20554-63	16.4	62
54	Organic-inorganic and all-inorganic lead halide nanoparticles [Invited]. *Optics Express*, **2016**, 24, A285-301	3.3	58
53	Catalytic processes activated by light. *Energy and Environmental Science*, **2010**, 3, 1488	35.4	48
52	Non-linear effects in the quenching of fluorescent semiconductor nanoparticles by paramagnetic species. *Physica Status Solidi (A) Applications and Materials Science*, **2006**, 203, 1337-1343	1.6	47
51	Sensing chiral drugs by using CdSe/ZnS nanoparticles capped with N-acetyl-L-cysteine methyl ester. *Chemistry - A European Journal*, **2013**, 19, 11068-76	4.8	45
50	Photoreaction between 2-benzoylthiophene and phenol or indole. *Journal of Organic Chemistry*, **2003**, 68, 5104-13	4.2	45
49	Highly fluorescent and photostable organic- and water-soluble CdSe/ZnS core-shell quantum dots capped with thiols. *RSC Advances*, **2012**, 2, 1632-1638	3.7	37
48	Cyclodextrin enhanced fluorimetric method for the determination of tryptamine. *Analyst, The*, **1998**, 123, 1587-91	5	32

47	Pyrene-functionalized nanoparticles: two independent sensors, the excimer and the monomer. *Analytical Chemistry*, **2012**, 84, 8083-7	7.8	30
46	Quantum dot/cyclodextrin supramolecular systems based on efficient molecular recognition and their use for sensing. *Chemical Communications*, **2012**, 48, 2573-5	5.8	30
45	Efficient Cementing of CH3NH3PbBr3 Nanoparticles to Upconversion Nanoparticles Visualized by Confocal Microscopy. *Advanced Functional Materials*, **2016**, 26, 5131-5138	15.6	30
44	Photochemical size reduction of CdSe and CdSe/ZnS semiconductor nanoparticles assisted by n pi* aromatic ketones. *Journal of the American Chemical Society*, **2009**, 131, 892-3	16.4	29
43	Kinetic solvent effects on the reaction of an aromatic ketone pi,pi* triplet with phenol. rate-retarding and rate-accelerating effects of hydrogen-bond acceptor solvents. *Journal of the American Chemical Society*, **2007**, 129, 9280-1	16.4	28
42	Fluorescence quenching of CdSe quantum dots by tertiary amines and their surface binding effect. *Photochemical and Photobiological Sciences*, **2009**, 8, 70-4	4.2	27
41	Hydroxypropyl-beta-cyclodextrin enhanced fluorimetric method for the determination of melatonin and 5-methoxytryptamine. *Analyst, The*, **2000**, 125, 1465-70	5	26
40	FeO@Au@mSiO as an enhancing nanoplatform for Rose Bengal photodynamic activity. *Nanoscale*, **2017**, 9, 10388-10396	7.7	24
39	Nitroanilines as quenchers of pyrene fluorescence. *ChemPhysChem*, **2012**, 13, 4195-201	3.2	21
38	Diaryl Ketones as Photoactivators. *Mini-Reviews in Organic Chemistry*, **2006**, 3, 117-135	1.7	19
37	Size reduction of CdSe/ZnS core-shell quantum dots photosensitized by benzophenone: where does the Cd(0) go?. *Langmuir*, **2011**, 27, 1942-5	4	18
36	Doping of photonic crystal fibers with fluorescent probes: possible functional materials for optrode sensors. *Journal of Materials Chemistry*, **2006**, 16, 1697-1701		18
35	Highly photoluminescent, dense solid films from organic-capped CH3NH3PbBr3 perovskite colloids. *Journal of Materials Chemistry C*, **2018**, 6, 6771-6777	7.1	18
34	Intramolecular electron transfer between tyrosine and tryptophan photosensitized by a chiral pi,pi* aromatic ketone. *Chemistry - A European Journal*, **2005**, 11, 3443-8	4.8	17
33	Colloids of Naked CHNHPbBr Perovskite Nanoparticles: Synthesis, Stability, and Thin Solid Film Deposition. *ACS Omega*, **2018**, 3, 1298-1303	3.9	16
32	Unconventional Fluorescence Quenching in Naphthalimide-Capped CdSe/ZnS Nanoparticles. *Journal of Physical Chemistry C*, **2013**, 117, 7365-7375	3.8	15
31	Research Frontiers in Energy-Related Materials and Applications for 2020–2030. *Advanced Sustainable Systems*, **2020**, 4, 1900145	5.9	14
30	The synergy between the CsPbBr nanoparticle surface and the organic ligand becomes manifest in a demanding carbon-carbon coupling reaction. *Chemical Communications*, **2020**, 56, 5026-5029	5.8	14

29	Tuning Charge Carrier Dynamics and Surface Passivation in Organolead Halide Perovskites with Capping Ligands and Metal Oxide Interfaces. *Advanced Optical Materials*, **2018**, 6, 1701203	8.1	14
28	Light-responsive hybrid material based on luminescent core□shell quantum dots and steroidal organogel. *Journal of Materials Chemistry C*, **2016**, 4, 7035-7042	7.1	13
27	Influence of substitution at the benzylic position on the behavior of stereoisomeric phosphorus compounds as precursors of stabilized carbon-centered radicals. *Organic Letters*, **2005**, 7, 3869-72	6.2	13
26	Hydroxypropyl-□cyclodextrin effect on the fluorescence of auxin and skatole and on the simultaneous determination of binary mixtures of indole compounds in urine by first derivative spectrofluorimetry. *Analytica Chimica Acta*, **2005**, 540, 393-401	6.6	13
25	Benzo[d]-1,2-oxaphospholes as precursors of stabilized C-centered radicals. *Organic Letters*, **2004**, 6, 561-4	6.2	12
24	Pyrene-Capped CdSe@ZnS Nanoparticles as Sensitive Flexible Oxygen Sensors in Non-Aqueous Media. *ChemistryOpen*, **2014**, 3, 199-205	2.3	11
23	Alkoxy-styryl DCDHF fluorophores. *Physical Chemistry Chemical Physics*, **2010**, 12, 7768-71	3.6	11
22	Fluorescence enhancement of amine-capped CdSe/ZnS quantum dots by thiol addition. *Canadian Journal of Chemistry*, **2011**, 89, 359-363	0.9	11
21	Stereodifferentiation in the formation and decay of the encounter complex in bimolecular electron transfer with photoactivated acceptors. *Chemical Communications*, **2005**, 3180-2	5.8	11
20	Further insight into the photostability of the pyrene fluorophore in halogenated solvents. *ChemPhysChem*, **2012**, 13, 835-44	3.2	10
19	Linear Coassembly of Upconversion and Perovskite Nanoparticles: Sensitized Upconversion Emission of Perovskites by Lanthanide-Doped Nanoparticles. *Advanced Functional Materials*, **2020**, 30, 2003766	15.6	9
18	Controlled building of CdSe@ZnS/Au and CdSe@ZnS/Au2S/Au nanohybrids. *Nano Research*, **2015**, 8, 2271-2287	10	7
17	Photoreaction between benzoylthiophenes and N-BOC-tryptophan methyl ester. *Photochemistry and Photobiology*, **2006**, 82, 231-6	3.6	7
16	Simultaneous Fluorimetric Determination of Pteridin Derivatives: Comparison between Synchronous, Partial Least-Squares, and Hybrid Linear Analysis Methods. *Applied Spectroscopy*, **2001**, 55, 701-707	3.1	6
15	Linear assembly of lead bromide-based nanoparticles inside lead(ii) polymers prepared by mixing the precursors of both the nanoparticle and the polymer. *Chemical Communications*, **2019**, 55, 2968-2971	5.8	6
14	Fluorescence quenching inhibition of substituted indoles by neutral and ionized cyclodextrins nanocavities. *Journal of Photochemistry and Photobiology A: Chemistry*, **2007**, 187, 356-362	4.7	5
13	Triplet exciplexes as energy transfer photosensitisers. *Chemical Communications*, **2006**, 1021-3	5.8	5
12	Ultrathin lead bromide perovskite platelets spotted with europium(ii) bromide dots. *Nanoscale*, **2019**, 11, 18065-18070	7.7	5

List of Publications

11	Steady-state and time-resolved studies on the formation of skatolyl radicals photosensitized by 2-benzoylthiophene. *Photochemical and Photobiological Sciences*, **2003**, 2, 1200-4	4.2	4
10	Aromatic ketones as photocatalysts: combined action as triplet photosensitiser and ground state electron acceptor. *ChemPhysChem*, **2006**, 7, 2077-80	3.2	3
9	Synergism at the Nanoscale. *Advances in Chemical and Materials Engineering Book Series*, **2016**, 42-77	0.2	3
8	Present and Perspectives of Photoactive Porous Composites Based on Semiconductor Nanocrystals and Metal-Organic Frameworks. *Molecules*, **2021**, 26,	4.8	3
7	Laser Ablation of Hybrid Perovskite Bulks into Nanoparticles: Adamantylammonium Halides as Ligands and Halide Sources. *ChemNanoMat*, **2019**, 5, 328-333	3.5	2
6	Ruddlesden-Popper Hybrid Lead Bromide Perovskite Nanosheets of Phase Pure n=2: Stabilized Colloids Stored in the Solid State. *Angewandte Chemie - International Edition*, **2021**,	16.4	2
5	Three independent channel nanohybrids as fluorescent probes. *RSC Advances*, **2015**, 5, 90065-90070	3.7	1
4	RuddlesdenPopper Hybrid Lead Bromide Perovskite Nanosheets of Phase Pure n=2: Stabilized Colloids Stored in the Solid State. *Angewandte Chemie*, **2021**, 133, 27518	3.6	0
3	Electrochemistry of Metal Nanoparticles and Quantum Dots **2014**, 1-25		
2	Electrochemistry of Metal Nanoparticles and Quantum Dots **2015**, 1-25		
1	Electrochemistry of Metal Nanoparticles and Quantum Dots **2016**, 715-743		