Marta Liras

List of Publications by Year in Descending Order

74 papers	2,042 citations	28 h-index	42 g-index
77 ext. papers	2,328 ext. citations	7.4 avg, IF	5.1 L-index

#	Paper	IF	Citations
74	A Significantly Improved Polymer||Ni(OH)2 Alkaline Rechargeable Battery Using Anthraquinone-based Conjugated Microporous Polymer Anode. *Materials Today Energy*, **2022**, 101014	7	0
73	Conjugated Porous Polymers: Ground-Breaking Materials for Solar Energy Conversion. *Advanced Energy Materials*, **2021**, 11, 2101530	21.8	9
72	Ultrafast reproducible synthesis of a Ag-nanocluster@MOF composite and its superior visible-photocatalytic activity in batch and in continuous flow. *Journal of Materials Chemistry A*, **2021**, 9, 15704-15713	13	4
71	New Anthraquinone-Based Conjugated Microporous Polymer Cathode with Ultrahigh Specific Surface Area for High-Performance Lithium-Ion Batteries. *Advanced Functional Materials*, **2020**, 30, 1908074	15.6	44
70	Fundamental Insights into Photoelectrocatalytic Hydrogen Production with a Hole-Transport Bismuth Metal-Organic Framework. *Journal of the American Chemical Society*, **2020**, 142, 318-326	16.4	34
69	Hybrids Based on BOPHY-Conjugated Porous Polymers as Photocatalysts for Hydrogen Production: Insight into the Charge Transfer Pathway. *ACS Catalysis*, **2020**, 10, 9804-9812	13.1	17
68	Electrode Engineering of Redox-Active Conjugated Microporous Polymers for Ultra-High Areal Capacity Organic Batteries. *ACS Energy Letters*, **2020**, 5, 2945-2953	20.1	24
67	Understanding Charge Transfer Mechanism on Effective Truxene-Based Porous Polymers□TiO2 Hybrid Photocatalysts for Hydrogen Evolution. *ACS Applied Energy Materials*, **2020**, 3, 4411-4420	6.1	21
66	Optical characterization of a two-dimensional BODIPY-based polymer material and its related chromophores. *Journal of Materials Chemistry C*, **2019**, 7, 7872-7884	7.1	5
65	Photoactive nanoparticles capped with functional polymers **2019**, 169-191		
64	Conjugated porous polymer based on BOPHY dyes as photocatalyst under visible light. *Applied Catalysis B: Environmental*, **2019**, 258, 117933	21.8	27
63	Hybrid materials based on conjugated polymers and inorganic semiconductors as photocatalysts: from environmental to energy applications. *Chemical Society Reviews*, **2019**, 48, 5454-5487	58.5	138
62	A Facile Synthesis of Blue Luminescent [7]Helicenocarbazoles Based on Gold-Catalyzed Rearrangement-Iodonium Migration and Suzuki-Miyaura Benzannulation Reactions. *Chemistry - A European Journal*, **2018**, 24, 7620-7625	4.8	11
61	Synchronized biphotonic process triggering CC coupling catalytic reactions. *Applied Catalysis B: Environmental*, **2018**, 237, 18-23	21.8	21
60	A Bifunctional Photoaminocatalyst for the Alkylation of Aldehydes: Design, Analysis, and Mechanistic Studies. *ACS Catalysis*, **2018**, 8, 5928-5940	13.1	28
59	Synthesis of polyesters by an efficient heterogeneous phosphazene (P1)-Porous Polymeric Aromatic Framework catalyzed-Ring Opening Polymerization of lactones. *European Polymer Journal* , **2017**, 95, 775-784	5.2	19
58	Cyclohexanedione as the negative electrode reaction for aqueous organic redox flow batteries. *Applied Energy*, **2017**, 197, 318-326	10.7	26

57	Visible-Light Photocatalytic Intramolecular Cyclopropane Ring Expansion. *Angewandte Chemie - International Edition*, **2017**, 56, 7826-7830	16.4	37
56	QDs decorated with thiol-monomer ligands as new multicrosslinkers for the synthesis of smart luminescent nanogels and hydrogels. *Polymer Chemistry*, **2017**, 8, 5317-5326	4.9	18
55	Conjugated Microporous Polymers Incorporating BODIPY Moieties as Light-Emitting Materials and Recyclable Visible-Light Photocatalysts. *Macromolecules*, **2016**, 49, 1666-1673	5.5	117
54	Upconversion nanoparticles with a strong acid-resistant capping. *Nanoscale*, **2016**, 8, 7588-94	7.7	14
53	Energy transfer in diiodoBodipy-grafted upconversion nanohybrids. *Nanoscale*, **2016**, 8, 204-8	7.7	9
52	Multiamino polymeric capping of fluorescent silver nanodots as an effective protective, amphiphilic and pH/thermo-responsive coating. *RSC Advances*, **2016**, 6, 67643-67650	3.7	9
51	Nitroxide amide-BODIPY probe behavior in fibroblasts analyzed by advanced fluorescence microscopy. *Organic and Biomolecular Chemistry*, **2016**, 14, 4023-6	3.9	8
50	Thermoresponsive random and block copolymers based on diethylene glycol methacrylate and a novel thiolated methacrylic monomer for the coating of semiconductor nanoparticles. *European Polymer Journal*, **2016**, 84, 565-576	5.2	4
49	A deprotection strategy of a BODIPY conjugated porous polymer to obtain a heterogeneous (dipyrrin)(bipyridine)ruthenium(II) visible light photocatalyst. *Journal of Materials Chemistry A*, **2016**, 4, 17274-17278	13	43
48	An abnormally slow proton transfer reaction in a simple HBO derivative due to ultrafast intramolecular-charge transfer events. *Physical Chemistry Chemical Physics*, **2015**, 17, 16257-69	3.6	40
47	Direct observation of breaking of the intramolecular H-bond, and slowing down of the proton motion and tuning its mechanism in an HBO derivative. *Physical Chemistry Chemical Physics*, **2015**, 17, 14569-81	3.6	21
46	Thermo- and pH-sensitive hydrogels functionalized with thiol groups. *European Polymer Journal*, **2015**, 63, 37-44	5.2	12
45	From intra- to inter-molecular hydrogen bonds with the surroundings: steady-state and time-resolved behaviours. *Photochemical and Photobiological Sciences*, **2015**, 14, 1306-18	4.2	17
44	Switching to a reversible proton motion in a charge-transferred dye. *Journal of Physical Chemistry B*, **2015**, 119, 552-62	3.4	16
43	Acetyl protected thiol methacrylic polymers as effective ligands to keep quantum dots in luminescent standby mode. *Polymer Chemistry*, **2014**, 5, 433-442	4.9	26
42	Versatile approach for the fabrication of functional wrinkled polymer surfaces. *Langmuir*, **2014**, 30, 13244-54	4	9
41	Homogenous thin layer coated graphene via one pot reaction with multidentate thiolated PMMAs. *Journal of Materials Chemistry C*, **2014**, 2, 1723	7.1	14
40	NIR excitation of upconversion nanohybrids containing a surface grafted Bodipy induces oxygen-mediated cancer cell death. *Journal of Materials Chemistry B*, **2014**, 2, 4554-4563	7.3	35

39	Thin Amphiphilic Polymer-Capped Upconversion Nanoparticles: Enhanced Emission and Thermoresponsive Properties. *Chemistry of Materials*, **2014**, 26, 4014-4022	9.6	40
38	Smart photoluminescent nanohybrids based on CdSe quantum dots capped with multidentate thiolated pH-responsive and thermoresponsive polymers for nanosensing. *Journal of Polymer Science Part A*, **2014**, 52, 3087-3095	2.5	20
37	Versatile thiolated thermosensitive polymers synthesized by ATRP of MEO2MA and AcSEMA, a new methacrylic monomer with a protected thiol group. *Polymer Chemistry*, **2013**, 4, 5751	4.9	28
36	Synthesis and photophysics of novel biocompatible fluorescent oxocines and azocines in aqueous solution. *Physical Chemistry Chemical Physics*, **2013**, 15, 16704-12	3.6	25
35	Functional micropatterned surfaces prepared by simultaneous UV-lithography and surface segregation of fluorinated copolymers. *Journal of Polymer Science Part A*, **2012**, 50, 4902-4910	2.5	5
34	New BODIPY chromophores bound to polyhedral oligomeric silsesquioxanes (POSS) with improved thermo- and photostability. *Journal of Materials Chemistry*, **2011**, 21, 12803		39
33	Difluoro-boron-triaza-anthracene: a laser dye in the blue region. Theoretical simulation of alternative difluoro-boron-diaza-aromatic systems. *Physical Chemistry Chemical Physics*, **2011**, 13, 3437-45	3.6	39
32	Transformation of the Bromine End Group into Thiol in (Meth)acrylic Polymers Synthesized by Atom Transfer Radical Polymerization. *Macromolecules*, **2011**, 44, 1335-1339	5.5	31
31	Modification of carbon nanotubes with well-controlled fluorescent styrene-based polymers using the Diels–Alder reaction. *Polymer*, **2011**, 52, 5739-5745	3.9	12
30	Thermoresponsive Behavior of Mixtures of Epoxy Functionalized Oligo(ethylene glycol) Methacrylate Copolymers. *Macromolecular Chemistry and Physics*, **2011**, 212, n/a-n/a	2.6	3
29	Thermo-Responsive Allyl-Functionalized 2-(2-Methoxyethoxy)ethyl Methacrylate-Based Polymers as Versatile Precursors for Smart Polymer Conjugates and Conetworks. *Macromolecules*, **2011**, 44, 3739-3745	5.5	35
28	BODIPY-Conjugated Thermo-Sensitive Fluorescent Polymers Based On 2-(2-methoxyethoxy)ethyl methacrylate. *Macromolecules*, **2011**, 44, 80-86	5.5	55
27	Swelling control in thermo-responsive hydrogels based on 2-(2-methoxyethoxy)ethyl methacrylate by crosslinking and copolymerization with N-isopropylacrylamide. *Polymer Journal*, **2011**, 43, 887-892	2.7	12
26	On-off QD switch that memorizes past recovery from quenching by diazonium salts. *Physical Chemistry Chemical Physics*, **2010**, 12, 9757-62	3.6	4
25	New analogues of the BODIPY dye PM597: photophysical and lasing properties in liquid solutions and in solid polymeric matrices. *Journal of Physical Chemistry A*, **2009**, 113, 8118-24	2.8	50
24	Structure and formation of the fluorescent compound of Lignum nephriticum. *Organic Letters*, **2009**, 11, 3020-3	6.2	46
23	Photophysical and laser emission studies of 8-polyphenylene-substituted BODIPY dyes in liquid solution and in solid polymeric matrices. *Photochemical and Photobiological Sciences*, **2008**, 7, 802-13	4.2	32
22	Photophysical study of new versatile multichromophoric diads and triads with BODIPY and polyphenylene groups. *Journal of Physical Chemistry A*, **2008**, 112, 10816-22	2.8	22

21	Photophysical characterization of new 3-amino and 3-acetamido BODIPY dyes with solvent sensitive properties. *Journal of Fluorescence*, **2008**, 18, 899-907	2.4	16
20	New laser dye based on the 3-styryl analog of the BODIPY dye PM567. *Journal of Photochemistry and Photobiology A: Chemistry*, **2008**, 198, 192-199	4.7	39
19	Synthesis, photophysical properties, and laser behavior of 3-amino and 3-acetamido BODIPY dyes. *Organic Letters*, **2007**, 9, 4183-6	6.2	53
18	Structural Changes in the BODIPY Dye PM567 Enhancing the Laser Action in Liquid and Solid Media. *Advanced Functional Materials*, **2007**, 17, 3088-3098	15.6	52
17	Photophysical and Lasing Properties of New Analogs of the Boron□dipyrromethene Laser Dye Pyrromethene 567 Incorporated into or Covalently Bounded to Solid Matrices of Poly(methyl methacrylate)¶. *Photochemistry and Photobiology*, **2007**, 78, 30-36	3.6	2
16	Bichromatic laser emission from dipyrromethene dyes incorporated into solid polymeric media. *Journal of Applied Physics*, **2007**, 101, 113110	2.5	4
15	Laser emission from mixtures of dipyrromethene dyes in liquid solution and in solid polymeric matrices. *Optics Communications*, **2006**, 267, 469-479	2	26
14	Triplet-state spectroscopy of dipyrromethene□BF2 laser dyes. *Journal of Photochemistry and Photobiology A: Chemistry*, **2006**, 181, 142-146	4.7	18
13	Concerning the color change of pyrromethene 650 dye in electron-donor solvents. *Journal of Photochemistry and Photobiology A: Chemistry*, **2006**, 184, 298-305	4.7	9
12	Photophysical characterisation of some dipyrromethene dyes in ethyl acetate and covalently bound to poly(methyl methacrylate). *Chemical Physics*, **2005**, 312, 151-158	2.3	17
11	Linear and cross-linked polymeric solid-state dye lasers based on 8-substituted alkyl analogues of pyrromethene 567. *Applied Physics B: Lasers and Optics*, **2005**, 80, 993-1006	1.9	28
10	8-Aryl substituted boron-dipyrromethene dyes: crystal structures and computational studies. *Journal of Molecular Structure*, **2004**, 697, 29-40	3.4	10
9	Photophysical properties of a new 8-phenyl analogue of the laser dye PM567 in different solvents: internal conversion mechanisms. *Chemical Physics Letters*, **2004**, 385, 29-35	2.5	67
8	8-Phenyl-Substituted Dipyrromethene□BF2 Complexes as Highly Efficient and Photostable Laser Dyes. *Journal of Physical Chemistry A*, **2004**, 108, 3315-3323	2.8	78
7	New efficient and stable polymeric solid state lasers based on modified dipyrromethene.BF 2 complexes **2004**,		2
6	Efficient and highly photostable solid-state dye lasers based on modified dipyrromethene.BF2 complexes incorporated into solid matrices of poly(methyl methacrylate). *Applied Physics B: Lasers and Optics*, **2003**, 76, 365-369	1.9	37
5	Methacrylate-tethered analogs of the laser dye PM567--synthesis, copolymerization with methyl methacrylate and photostability of the copolymers. *Photochemistry and Photobiology*, **2003**, 77, 577-84	3.6	51
4	Photophysical and lasing properties of new analogs of the boron-dipyrromethene laser dye pyrromethene 567 incorporated into or covalently bounded to solid matrices of poly(methyl methacrylate). *Photochemistry and Photobiology*, **2003**, 78, 30-6	3.6	33

3	Photophysical and Lasing Properties of New Analogs of the BoronDipyrromethene Laser Dye PM567 in Liquid Solution. *Journal of Physical Chemistry A*, **2002**, 106, 7736-7742	2.8	110
2	Photochemical reactivity of 1-substituted-1-aza-1,4-dienes promoted by electron-acceptor sensitizers. Di-pi-methane rearrangements and alternative reactions via radical-cation intermediates. *Journal of Organic Chemistry*, **2002**, 67, 9397-405	4.2	8
1	Conjugated Porous Polymers Based on BODIPY and BOPHY Dyes in Hybrid Heterojunctions for Artificial Photosynthesis. *Advanced Functional Materials*,2105384	15.6	6