

# Marta Liras

## List of Publications by Citations

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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	Hybrid materials based on conjugated polymers and inorganic semiconductors as photocatalysts: from environmental to energy applications. <i>Chemical Society Reviews</i> , <b>2019</b> , 48, 5454-5487	58.5	138
73	Conjugated Microporous Polymers Incorporating BODIPY Moieties as Light-Emitting Materials and Recyclable Visible-Light Photocatalysts. <i>Macromolecules</i> , <b>2016</b> , 49, 1666-1673	5.5	117
72	Photophysical and Lasing Properties of New Analogs of the BoronDipyrromethene Laser Dye PM567 in Liquid Solution. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 7736-7742	2.8	110
71	8-Phenyl-Substituted Dipyrromethene[BF <sub>2</sub> ] Complexes as Highly Efficient and Photostable Laser Dyes. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 3315-3323	2.8	78
70	Photophysical properties of a new 8-phenyl analogue of the laser dye PM567 in different solvents: internal conversion mechanisms. <i>Chemical Physics Letters</i> , <b>2004</b> , 385, 29-35	2.5	67
69	BODIPY-Conjugated Thermo-Sensitive Fluorescent Polymers Based On 2-(2-methoxyethoxy)ethyl methacrylate. <i>Macromolecules</i> , <b>2011</b> , 44, 80-86	5.5	55
68	Synthesis, photophysical properties, and laser behavior of 3-amino and 3-acetamido BODIPY dyes. <i>Organic Letters</i> , <b>2007</b> , 9, 4183-6	6.2	53
67	Structural Changes in the BODIPY Dye PM567 Enhancing the Laser Action in Liquid and Solid Media. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 3088-3098	15.6	52
66	Methacrylate-tethered analogs of the laser dye PM567--synthesis, copolymerization with methyl methacrylate and photostability of the copolymers. <i>Photochemistry and Photobiology</i> , <b>2003</b> , 77, 577-84	3.6	51
65	New analogues of the BODIPY dye PM597: photophysical and lasing properties in liquid solutions and in solid polymeric matrices. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 8118-24	2.8	50
64	Structure and formation of the fluorescent compound of Lignum nephriticum. <i>Organic Letters</i> , <b>2009</b> , 11, 3020-3	6.2	46
63	New Anthraquinone-Based Conjugated Microporous Polymer Cathode with Ultrahigh Specific Surface Area for High-Performance Lithium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1908074	15.6	44
62	A deprotection strategy of a BODIPY conjugated porous polymer to obtain a heterogeneous (dipyrrin)(bipyridine)ruthenium(II) visible light photocatalyst. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 17274-17278	13	43
61	An abnormally slow proton transfer reaction in a simple HBO derivative due to ultrafast intramolecular-charge transfer events. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 16257-69	3.6	40
60	Thin Amphiphilic Polymer-Capped Upconversion Nanoparticles: Enhanced Emission and Thermoresponsive Properties. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 4014-4022	9.6	40
59	New BODIPY chromophores bound to polyhedral oligomeric silsesquioxanes (POSS) with improved thermo- and photostability. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 12803		39
58	Difluoro-boron-triaza-anthracene: a laser dye in the blue region. Theoretical simulation of alternative difluoro-boron-diaza-aromatic systems. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 3437-45	3.6	39

57	New laser dye based on the 3-styryl analog of the BODIPY dye PM567. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2008</b> , 198, 192-199	4.7	39
56	Visible-Light Photocatalytic Intramolecular Cyclopropane Ring Expansion. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 7826-7830	16.4	37
55	Efficient and highly photostable solid-state dye lasers based on modified dipyrromethene.BF2 complexes incorporated into solid matrices of poly(methyl methacrylate). <i>Applied Physics B: Lasers and Optics</i> , <b>2003</b> , 76, 365-369	1.9	37
54	NIR excitation of upconversion nanohybrids containing a surface grafted Bodipy induces oxygen-mediated cancer cell death. <i>Journal of Materials Chemistry B</i> , <b>2014</b> , 2, 4554-4563	7.3	35
53	Thermo-Responsive Allyl-Functionalized 2-(2-Methoxyethoxy)ethyl Methacrylate-Based Polymers as Versatile Precursors for Smart Polymer Conjugates and Conetworks. <i>Macromolecules</i> , <b>2011</b> , 44, 3739-3745	5.5	35
52	Fundamental Insights into Photoelectrocatalytic Hydrogen Production with a Hole-Transport Bismuth Metal-Organic Framework. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 318-326	16.4	34
51	Photophysical and lasing properties of new analogs of the boron-dipyrromethene laser dye pyromethene 567 incorporated into or covalently bounded to solid matrices of poly(methyl methacrylate). <i>Photochemistry and Photobiology</i> , <b>2003</b> , 78, 30-6	3.6	33
50	Photophysical and laser emission studies of 8-polyphenylene-substituted BODIPY dyes in liquid solution and in solid polymeric matrices. <i>Photochemical and Photobiological Sciences</i> , <b>2008</b> , 7, 802-13	4.2	32
49	Transformation of the Bromine End Group into Thiol in (Meth)acrylic Polymers Synthesized by Atom Transfer Radical Polymerization. <i>Macromolecules</i> , <b>2011</b> , 44, 1335-1339	5.5	31
48	Versatile thiolated thermosensitive polymers synthesized by ATRP of MEO2MA and AcSEMA, a new methacrylic monomer with a protected thiol group. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 5751	4.9	28
47	Linear and cross-linked polymeric solid-state dye lasers based on 8-substituted alkyl analogues of pyromethene 567. <i>Applied Physics B: Lasers and Optics</i> , <b>2005</b> , 80, 993-1006	1.9	28
46	A Bifunctional Photoaminocatalyst for the Alkylation of Aldehydes: Design, Analysis, and Mechanistic Studies. <i>ACS Catalysis</i> , <b>2018</b> , 8, 5928-5940	13.1	28
45	Conjugated porous polymer based on BOPHY dyes as photocatalyst under visible light. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 258, 117933	21.8	27
44	Cyclohexanedione as the negative electrode reaction for aqueous organic redox flow batteries. <i>Applied Energy</i> , <b>2017</b> , 197, 318-326	10.7	26
43	Acetyl protected thiol methacrylic polymers as effective ligands to keep quantum dots in luminescent standby mode. <i>Polymer Chemistry</i> , <b>2014</b> , 5, 433-442	4.9	26
42	Laser emission from mixtures of dipyrromethene dyes in liquid solution and in solid polymeric matrices. <i>Optics Communications</i> , <b>2006</b> , 267, 469-479	2	26
41	Synthesis and photophysics of novel biocompatible fluorescent oxocines and azocines in aqueous solution. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 16704-12	3.6	25
40	Electrode Engineering of Redox-Active Conjugated Microporous Polymers for Ultra-High Areal Capacity Organic Batteries. <i>ACS Energy Letters</i> , <b>2020</b> , 5, 2945-2953	20.1	24

39	Photophysical study of new versatile multichromophoric diads and triads with BODIPY and polyphenylene groups. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 10816-22	2.8	22
38	Direct observation of breaking of the intramolecular H-bond, and slowing down of the proton motion and tuning its mechanism in an HBO derivative. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 14569-81	3.6	21
37	Understanding Charge Transfer Mechanism on Effective Truxene-Based Porous Polymers/TiO <sub>2</sub> Hybrid Photocatalysts for Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 4411-4420	6.1	21
36	Synchronized biphotonic process triggering CC coupling catalytic reactions. <i>Applied Catalysis B: Environmental</i> , <b>2018</b> , 237, 18-23	21.8	21
35	Smart photoluminescent nanohybrids based on CdSe quantum dots capped with multidentate thiolated pH-responsive and thermoresponsive polymers for nanosensing. <i>Journal of Polymer Science Part A</i> , <b>2014</b> , 52, 3087-3095	2.5	20
34	Synthesis of polyesters by an efficient heterogeneous phosphazene (P1)-Porous Polymeric Aromatic Framework catalyzed-Ring Opening Polymerization of lactones. <i>European Polymer Journal</i> , <b>2017</b> , 95, 775-784	5.2	19
33	QDs decorated with thiol-monomer ligands as new multicrosslinkers for the synthesis of smart luminescent nanogels and hydrogels. <i>Polymer Chemistry</i> , <b>2017</b> , 8, 5317-5326	4.9	18
32	Triplet-state spectroscopy of dipyrromethene/BF <sub>2</sub> laser dyes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2006</b> , 181, 142-146	4.7	18
31	From intra- to inter-molecular hydrogen bonds with the surroundings: steady-state and time-resolved behaviours. <i>Photochemical and Photobiological Sciences</i> , <b>2015</b> , 14, 1306-18	4.2	17
30	Photophysical characterisation of some dipyrromethene dyes in ethyl acetate and covalently bound to poly(methyl methacrylate). <i>Chemical Physics</i> , <b>2005</b> , 312, 151-158	2.3	17
29	Hybrids Based on BOPHY-Conjugated Porous Polymers as Photocatalysts for Hydrogen Production: Insight into the Charge Transfer Pathway. <i>ACS Catalysis</i> , <b>2020</b> , 10, 9804-9812	13.1	17
28	Switching to a reversible proton motion in a charge-transferred dye. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 552-62	3.4	16
27	Photophysical characterization of new 3-amino and 3-acetamido BODIPY dyes with solvent sensitive properties. <i>Journal of Fluorescence</i> , <b>2008</b> , 18, 899-907	2.4	16
26	Upconversion nanoparticles with a strong acid-resistant capping. <i>Nanoscale</i> , <b>2016</b> , 8, 7588-94	7.7	14
25	Homogenous thin layer coated graphene via one pot reaction with multidentate thiolated PMMAs. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 1723	7.1	14
24	Thermo- and pH-sensitive hydrogels functionalized with thiol groups. <i>European Polymer Journal</i> , <b>2015</b> , 63, 37-44	5.2	12
23	Modification of carbon nanotubes with well-controlled fluorescent styrene-based polymers using the Diels-Alder reaction. <i>Polymer</i> , <b>2011</b> , 52, 5739-5745	3.9	12
22	Swelling control in thermo-responsive hydrogels based on 2-(2-methoxyethoxy)ethyl methacrylate by crosslinking and copolymerization with N-isopropylacrylamide. <i>Polymer Journal</i> , <b>2011</b> , 43, 887-892	2.7	12

21	A Facile Synthesis of Blue Luminescent [7]Helicenocarbazoles Based on Gold-Catalyzed Rearrangement-Iodonium Migration and Suzuki-Miyaura Benzannulation Reactions. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 7620-7625	4.8	11
20	8-Aryl substituted boron-dipyrromethene dyes: crystal structures and computational studies. <i>Journal of Molecular Structure</i> , <b>2004</b> , 697, 29-40	3.4	10
19	Energy transfer in diiodoBodipy-grafted upconversion nanohybrids. <i>Nanoscale</i> , <b>2016</b> , 8, 204-8	7.7	9
18	Versatile approach for the fabrication of functional wrinkled polymer surfaces. <i>Langmuir</i> , <b>2014</b> , 30, 13244-54	4	9
17	Concerning the color change of pyrromethene 650 dye in electron-donor solvents. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2006</b> , 184, 298-305	4.7	9
16	Multiamino polymeric capping of fluorescent silver nanodots as an effective protective, amphiphilic and pH/thermo-responsive coating. <i>RSC Advances</i> , <b>2016</b> , 6, 67643-67650	3.7	9
15	Conjugated Porous Polymers: Ground-Breaking Materials for Solar Energy Conversion. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2101530	21.8	9
14	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. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 9397-405	4.2	8
13	Nitroxide amide-BODIPY probe behavior in fibroblasts analyzed by advanced fluorescence microscopy. <i>Organic and Biomolecular Chemistry</i> , <b>2016</b> , 14, 4023-6	3.9	8
12	Conjugated Porous Polymers Based on BODIPY and BOPHY Dyes in Hybrid Heterojunctions for Artificial Photosynthesis. <i>Advanced Functional Materials</i> , 2105384	15.6	6
11	Optical characterization of a two-dimensional BODIPY-based polymer material and its related chromophores. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 7872-7884	7.1	5
10	Functional micropatterned surfaces prepared by simultaneous UV-lithography and surface segregation of fluorinated copolymers. <i>Journal of Polymer Science Part A</i> , <b>2012</b> , 50, 4902-4910	2.5	5
9	On-off QD switch that memorizes past recovery from quenching by diazonium salts. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 9757-62	3.6	4
8	Bichromatic laser emission from dipyrromethene dyes incorporated into solid polymeric media. <i>Journal of Applied Physics</i> , <b>2007</b> , 101, 113110	2.5	4
7	Thermoresponsive random and block copolymers based on diethylene glycol methacrylate and a novel thiolated methacrylic monomer for the coating of semiconductor nanoparticles. <i>European Polymer Journal</i> , <b>2016</b> , 84, 565-576	5.2	4
6	Ultrafast reproducible synthesis of a Ag-nanocluster@MOF composite and its superior visible-photocatalytic activity in batch and in continuous flow. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 15704-15713	13	4
5	Thermoresponsive Behavior of Mixtures of Epoxy Functionalized Oligo(ethylene glycol) Methacrylate Copolymers. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, n/a-n/a	2.6	3
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). <i>Photochemistry and Photobiology</i> , <b>2007</b> , 78, 30-36	3.6	2

- 3 New efficient and stable polymeric solid state lasers based on modified dipyrromethene.BF 2 complexes **2004**, 2
- 2 A Significantly Improved Polymer||Ni(OH)<sub>2</sub> Alkaline Rechargeable Battery Using Anthraquinone-based Conjugated Microporous Polymer Anode. *Materials Today Energy*, **2022**, 101014 7 0
- 1 Photoactive nanoparticles capped with functional polymers **2019**, 169-191