

Maria J Ortiz

List of Publications by Citations

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79
papers

2,297
citations

23
h-index

46
g-index

114
ext. papers

2,792
ext. citations

5.1
avg, IF

4.78
L-index

#	Paper	IF	Citations
79	Circularly Polarized Luminescence From Simple Organic Molecules. <i>Chemistry - A European Journal</i> , 2015 , 21, 13488-500	4.8	559
78	Circularly polarized luminescence by visible-light absorption in a chiral O-BODIPY dye: unprecedented design of CPL organic molecules from achiral chromophores. <i>Journal of the American Chemical Society</i> , 2014 , 136, 3346-9	16.4	250
77	Synthesis of BODIPY dyes through postfunctionalization of the boron dipyrromethene core. <i>Coordination Chemistry Reviews</i> , 2019 , 399, 213024	23.2	118
76	Synthesis and functionalization of new polyhalogenated BODIPY dyes. Study of their photophysical properties and singlet oxygen generation. <i>Tetrahedron</i> , 2012 , 68, 1153-1162	2.4	101
75	Chlorinated BODIPYs: Surprisingly Efficient and Highly Photostable Laser Dyes. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 6335-6350	3.2	79
74	Rational Design of Advanced Photosensitizers Based on Orthogonal BODIPY Dimers to Finely Modulate Singlet Oxygen Generation. <i>Chemistry - A European Journal</i> , 2017 , 23, 4837-4848	4.8	66
73	Red-edge-wavelength finely-tunable laser action from new BODIPY dyes. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 7804-11	3.6	64
72	First highly efficient and photostable E and C derivatives of 4,4-difluoro-4-bora-3a,4a-diaza-s-indacene (BODIPY) as dye lasers in the liquid phase, thin films, and solid-state rods. <i>Chemistry - A European Journal</i> , 2014 , 20, 2646-53	4.8	51
71	Carboxylates versus Fluorines: Boosting the Emission Properties of Commercial BODIPYs in Liquid and Solid Media. <i>Advanced Functional Materials</i> , 2013 , 23, 4195-4205	15.6	48
70	Coumarin-BODIPY hybrids by heteroatom linkage: versatile, tunable and photostable dye lasers for UV irradiation. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 8239-47	3.6	47
69	Bis(haloBODIPYs) with Labile Helicity: Valuable Simple Organic Molecules That Enable Circularly Polarized Luminescence. <i>Chemistry - A European Journal</i> , 2016 , 22, 8805-8	4.8	47
68	Unprecedented J-Aggregated Dyes in Pure Organic Solvents. <i>Advanced Functional Materials</i> , 2016 , 26, 2756-2769	15.6	41
67	8-Functionalization of alkyl-substituted-3,8-dimethyl BODIPYs by Knoevenagel condensation. <i>Organic Letters</i> , 2013 , 15, 4454-7	6.2	39
66	Exploring BODIPY Derivatives as Singlet Oxygen Photosensitizers for PDT. <i>Photochemistry and Photobiology</i> , 2020 , 96, 458-477	3.6	36
65	Unprecedented induced axial chirality in a molecular BODIPY dye: strongly bisignated electronic circular dichroism in the visible region. <i>Chemical Communications</i> , 2013 , 49, 11641-3	5.8	36
64	Exploring the Application of the Negishi Reaction of HaloBODIPYs: Generality, Regioselectivity, and Synthetic Utility in the Development of BODIPY Laser Dyes. <i>Journal of Organic Chemistry</i> , 2016 , 81, 3700-10	4.2	34
63	Controlling optical properties and function of BODIPY by using asymmetric substitution effects. <i>Chemistry - A European Journal</i> , 2010 , 16, 14094-105	4.8	33

62	Singlet Fission Mediated Photophysics of BODIPY Dimers. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 641-646	6.4	32
61	AcetylacetonateBODIPY-Biscyclometalated Iridium(III) Complexes: Effective Strategy towards Smarter Fluorescent Photosensitizer Agents. <i>Chemistry - A European Journal</i> , 2017 , 23, 10139-10147	4.8	31
60	Selective lateral lithiation of methyl BODIPYs: synthesis, photophysics, and electrochemistry of new meso derivatives. <i>Organic Letters</i> , 2014 , 16, 4364-7	6.2	31
59	Nitro and amino BODIPYS: crucial substituents to modulate their photonic behavior. <i>RSC Advances</i> , 2013 , 3, 1547-1556	3.7	31
58	Negishi reaction in BODIPY dyes. Unprecedented alkylation by palladium-catalyzed C-C coupling in boron dipyrromethene derivatives. <i>RSC Advances</i> , 2014 , 4, 19210-19213	3.7	29
57	Spiranic BODIPYs: a ground-breaking design to improve the energy transfer in molecular cassettes. <i>Chemical Communications</i> , 2014 , 50, 12765-7	5.8	27
56	Sml2-mediated 3-exo-trig cyclization of α -unsaturated carbonyl compounds: diastereoselective synthesis of cyclopropanols. <i>Organic Letters</i> , 2010 , 12, 4082-5	6.2	22
55	Towards improved halogenated BODIPY photosensitizers: clues on structural designs and heavy atom substitution patterns. <i>Physical Chemistry Chemical Physics</i> , 2016 , 19, 69-72	3.6	21
54	Push-pull flexibly-bridged bis(haloBODIPYs): solvent and spacer switchable red emission. <i>Dalton Transactions</i> , 2016 , 45, 11839-48	4.3	21
53	SYNTHESIS OF DIIMINES FROM 1,2-DICARBONYL COMPOUNDS BY DIRECT CATALYZED CONDENSATION. <i>Organic Preparations and Procedures International</i> , 1987 , 19, 181-186	1.1	20
52	BODIPYs revealing lipid droplets as valuable targets for photodynamic theragnosis. <i>Chemical Communications</i> , 2020 , 56, 940-943	5.8	19
51	An asymmetric BODIPY triad with panchromatic absorption for high-performance red-edge laser emission. <i>Chemical Communications</i> , 2015 , 51, 11382-5	5.8	18
50	Using inclusion complexes with cyclodextrins to explore the aggregation behavior of a ruthenium metallosurfactant. <i>Langmuir</i> , 2015 , 31, 2677-88	4	18
49	A Study of the Competition between the Di- π -methane and the Azadi- π -methane Processes in 2-Vinyl- β,γ -unsaturated Oxime Derivatives. The Novel Azadi- π -methane Reactivity of β,γ -Unsaturated Oximes. <i>Journal of Organic Chemistry</i> , 1994 , 59, 8115-8124	4.2	17
48	Unexpected Oxadi- π -methane Rearrangement of α -Unsaturated Aldehydes. <i>Journal of Organic Chemistry</i> , 1996 , 61, 1459-1466	4.2	16
47	Novel photoreactions of 2-aza-1,4-dienes in the triplet excited state and via radical-cation intermediates. 2-aza-di- π -methane rearrangements yielding cyclopropylimines and N-vinylaziridines. <i>Journal of Organic Chemistry</i> , 2003 , 68, 6661-71	4.2	14
46	Novel oxa-di- π -methane and Norrish type I reactions in the S ₂ (π,π^*) excited state of a series of β,γ -unsaturated ketones. <i>Organic Letters</i> , 2005 , 7, 2687-90	6.2	14
45	A novel photochemical vinylcyclopropane rearrangement yielding 6,7-dihydro-5H-benzocycloheptene derivatives. <i>Organic Letters</i> , 2000 , 2, 183-6	6.2	14

44	Influence of electron-donor sensitizers on SET-promoted photochemical reactions of beta,gamma-unsaturated aldehydes. <i>Organic Letters</i> , 2004 , 6, 2261-4	6.2	13
43	A versatile fluorescent molecular probe endowed with singlet oxygen generation under white-light photosensitization. <i>Dyes and Pigments</i> , 2017 , 142, 77-87	4.6	12
42	The effects of triplet sensitizers on the photoreactivity of beta,gamma-unsaturated methyl ketones. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 7739-41	16.4	12
41	Photochemical Vinylcyclopropane Rearrangements of 1-Substituted-3-(2,2-diphenylvinyl)-2,2-dimethylcyclopropanes to Cyclopentenes and Different Heterocycles. <i>Journal of Organic Chemistry</i> , 1999 , 64, 1056-1060	4.2	11
40	Adapting BODIPYs to singlet oxygen production on silica nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 13746-13755	3.6	10
39	Rational molecular design enhancing the photonic performance of red-emitting perylene bisimide dyes. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 13210-13218	3.6	10
38	Aroylation of carbanions derived from N-(diphenylmethyl)arylmethanimines. A synthesis of 4-aryloxy-2-azabuta-1,3-dienes. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1986 , 2021		10
37	A novel photochemical 1,2-acyl migration in an enol ester. The synthesis of 3-oxazoline derivatives.. <i>Tetrahedron Letters</i> , 1983 , 24, 1197-1200	2	10
36	FormylBODIPYs by PCC-Promoted Selective Oxidation of β -MethylBODIPYs. Synthetic Versatility and Applications. <i>Organic Letters</i> , 2019 , 21, 4563-4566	6.2	9
35	Novel photocyclization of β -unsaturated oximes. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1995 , 114, 514-516		9
34	Manipulating Charge-Transfer States in BODIPYs: A Model Strategy to Rapidly Develop Photodynamic Theragnostic Agents. <i>Chemistry - A European Journal</i> , 2020 , 26, 601-605	4.8	9
33	Controlling Vilsmeier-Haack processes in meso-methylBODIPYs: A new way to modulate finely photophysical properties in boron dipyrromethenes. <i>Dyes and Pigments</i> , 2017 , 141, 286-298	4.6	8
32	Novel photochemical behaviour of the oximes and hydrazones of β -unsaturated carbonyl compounds. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997 , 1535-1542		8
31	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> , 2002 , 67, 9397-405	4.2	8
30	Di-pi-methane reactions promoted by SET from electron-donor sensitizers. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9920-1	16.4	8
29	Preparation of dipyrins from F-BODIPYs by treatment with methanesulfonic acids. <i>RSC Advances</i> , 2015 , 5, 68676-68680	3.7	7
28	Efficient photochemical synthesis of 2-vinylcyclopropanecarbaldehydes, precursors of cyclopropane components present in pyrethroids, by using the oxa-di- π -methane rearrangement. <i>Tetrahedron</i> , 2010 , 66, 8690-8697	2.4	7
27	The oxa-di- π -methane rearrangement of β -unsaturated aldehydes. <i>Tetrahedron Letters</i> , 1995 , 36, 965-968	2	7

26	Chemically efficient aza-di- π -methane photoreactivity with novel stable derivatives of α,β -unsaturated carbonyl compounds. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1992 , 2325-2329		7
25	Tailoring the Molecular Skeleton of Aza-BODIPYs to Design Photostable Red-Light-Emitting Laser Dyes. <i>ChemPhotoChem</i> , 2019 , 3, 75-85	3.3	7
24	Increased laser action in commercial dyes from fluorination regardless of their skeleton. <i>Laser Physics Letters</i> , 2014 , 11, 115818	1.5	6
23	A search for anisotropy in the arrival directions of ultra high energy cosmic rays recorded at the Pierre Auger Observatory. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012 , 2012, 040-040	6.4	5
22	Remarkable observations on triplet-sensitized reactions. the di- π -methane rearrangement of acyclic 1,4-dienes in the triplet excited state. <i>Organic Letters</i> , 2009 , 11, 4148-51	6.2	5
21	A new photochemical synthesis of dihydropyrazoles. Novel mode of photocyclization of some 1-iuminobut-3-enes derivatives. <i>Journal of the Chemical Society Chemical Communications</i> , 1993 , 721-722		5
20	The aza-di- π -methane rearrangement of stable derivatives of 2,2-dimethyl-4,4-diphenylbut-3-enal. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1990 , 2348-2349		5
19	Efficient O-Acylation of Anions of Monoimines from 1,2-Dicarbonyl Compounds. <i>Synthesis</i> , 1987 , 1987, 657-659	2.9	5
18	A new synthesis of 1,1-diphenyl-3-arylisquinolin-4-ones by the novel cyclization of 2-azabuta-1,3-dienes.. <i>Tetrahedron Letters</i> , 1985 , 26, 5213-5216	2	5
17	Aroylation of n-alkylmethanimines. A synthesis of novel substituted 2-aza-buta-1,3-dienes.. <i>Tetrahedron Letters</i> , 1981 , 22, 2203-2206	2	5
16	The novel 1-aza-di- π -methane rearrangement of 1-substituted-1-aza-1,4-dienes promoted by DCA-sensitization. <i>Tetrahedron Letters</i> , 1999 , 40, 1759-1762	2	4
15	Red/NIR Thermally Activated Delayed Fluorescence from Aza-BODIPYs. <i>Chemistry - A European Journal</i> , 2020 , 26, 16080-16088	4.8	4
14	Reaction of anions from monoimines of benzil with alkylating agents. Photochemical reactivity of some 4-alkoxy-2-aza-1,3-dienes. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1992 , 171		3
13	Unexpected reactions of 1,4-diaza-1,3-dienes under acylating conditions. A new cyclization to non-acylated imidazole derivatives. <i>Tetrahedron Letters</i> , 1987 , 28, 4605-4608	2	3
12	Unexpected photochemical reactivity of 3-(9-fluorenylidene)-2,2-dimethylpropanal oxime acetate. <i>Journal of Molecular Structure</i> , 2003 , 648, 19-25	3.4	2
11	Synthesis of 1H-isoindoles by a novel rearrangement of some isoquinolin-4(1H)-ones. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1992 , 2321		2
10	Photochemistry of 4-acyloxy-2-azabuta-1,3-dienes. A novel photochemical 1,2-acyl migration in an enol ester. The synthesis of 2,5-dihydro-oxazole derivatives. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1986 , 623		2
9	Mitochondria selective trackers for long-term imaging based on readily accessible neutral BODIPYs. <i>Chemical Communications</i> , 2021 , 57, 5318-5321	5.8	2

8	Red haloBODIPYs as theragnostic agents: The role of the substitution at meso position. <i>Dyes and Pigments</i> , 2022 , 198, 110015	4.6	1
7	First Lanthanide Complex for Phasing in Native Protein Crystallography at 1 Å Radiation.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 4575-4581	4.1	1
6	A BODIPY-Based Fluorescent Sensor for Amino Acids Bearing Thiol. <i>Proceedings (mdpi)</i> , 2019 , 41, 18	0.3	1
5	From photosensitizers to light harvesters adapting the molecular structure in all-BODIPY assemblies. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 11191-11195	3.6	1
4	Stereoselective synthesis of functionalized butenolides by the photochemical rearrangement of [2,1]benzoxazolequinone derivatives. <i>Tetrahedron</i> , 1997 , 53, 3363-3368	2.4	0
3	The novel photochemical 1,4-addition of azadienol esters to cyclo-octa-1,3-diene.. <i>Tetrahedron Letters</i> , 1986 , 27, 3293-3296	2	0
2	The Effects of Triplet SensitizersTEnergies on the Photoreactivity of πUnsatuated Methyl Ketones. <i>Angewandte Chemie</i> , 2005 , 117, 7917-7919	3.6	
1	Phosphorogenic dipyrinato-iridium(III) complexes as photosensitizers for photodynamic therapy. <i>Dyes and Pigments</i> , 2022 , 197, 109886	4.6	