Antonia R Agarrabeitia

List of Publications by Year
in descending order

60 papers	2,627 citations	236833 25 h-index	182361 51 g-index
69 all docs	69 docs citations	69 times ranked	2624 citing authors

#	Article	IF	Citations
1	Red haloBODIPYs as theragnostic agents: The role of the substitution at meso position. Dyes and Pigments, 2022, 198, 110015.	2.0	5
2	Generation of multiple triplet states in an orthogonal bodipy dimer: a breakthrough spectroscopic and theoretical approach. Physical Chemistry Chemical Physics, 2022, 24, 5929-5938.	1.3	10
3	Development of Geometry-Controlled All-Orthogonal BODIPY Trimers for Photodynamic Therapy and Phototheragnosis. Organic Letters, 2022, 24, 3636-3641.	2.4	11
4	Functionalization of Photosensitized Silica Nanoparticles for Advanced Photodynamic Therapy of Cancer. International Journal of Molecular Sciences, 2021, 22, 6618.	1.8	7
5	From photosensitizers to light harvesters adapting the molecular structure in all-BODIPY assemblies. Physical Chemistry Chemical Physics, 2021, 23, 11191-11195.	1.3	3
6	Insight into the Influence of the Chiral Molecular Symmetry on the Chiroptics of Fluorescent BINOL-Based Boron Chelates. , 2021, 3, .		0
7	Insight into the Influence of the Chiral Molecular Symmetry on the Chiroptics of Fluorescent BINOL-Based Boron Chelates. Chemistry Proceedings, 2021, 3, .	0.1	2
8	Influence of At-Bridge Nitro Groups on the Photophysics and Chiroptics of helicoBODIPYs: A Step Forward towards the Development of New Chiroptical Sensors. , 2021, 8, .		0
9	Exploring New Mitochondria-Targetable Theragnostic styrylBODIPYs. , 2021, 8, .		1
10	BODIPYs revealing lipid droplets as valuable targets for photodynamic theragnosis. Chemical Communications, 2020, 56, 940-943.	2.2	38
11	Red/NIR Thermally Activated Delayed Fluorescence from Azaâ€BODIPYs. Chemistry - A European Journal, 2020, 26, 16080-16088.	1.7	7
12	A Palette of Efficient and Stable Far-Red and NIR Dye Lasers. Applied Sciences (Switzerland), 2020, 10, 6206.	1.3	4
13	Exploring BODIPY Derivatives as Singlet Oxygen Photosensitizers for PDT. Photochemistry and Photobiology, 2020, 96, 458-477.	1.3	92
14	C*-BODIPYs: Exploring a New Strategy to Transfer Chirality towards BODIPY Chiroptics. Proceedings (mdpi), 2019, 41, .	0.2	2
15	Tailoring the Molecular Skeleton of Azaâ€BODIPYs to Design Photostable Redâ€Lightâ€Emitting Laser Dyes. ChemPhotoChem, 2019, 3, 75-85.	1.5	11
16	Singlet Fission Mediated Photophysics of BODIPY Dimers. Journal of Physical Chemistry Letters, 2018, 9, 641-646.	2.1	42
17	Controlling Vilsmeier-Haack processes in meso-methylBODIPYs: A new way to modulate finely photophysical properties in boron dipyrromethenes. Dyes and Pigments, 2017, 141, 286-298.	2.0	12
18	Rational Design of Advanced Photosensitizers Based on Orthogonal BODIPY Dimers to Finely Modulate Singlet Oxygen Generation. Chemistry - A European Journal, 2017, 23, 4837-4848.	1.7	87

#	Article	IF	Citations
19	AcetylacetonateBODIPYâ€Biscyclometalated Iridium(III) Complexes: Effective Strategy towards Smarter Fluorescent Photosensitizer Agents. Chemistry - A European Journal, 2017, 23, 10139-10147.	1.7	38
20	A versatile fluorescent molecular probe endowed with singlet oxygen generation under white-light photosensitization. Dyes and Pigments, 2017, 142, 77-87.	2.0	14
21	Towards improved halogenated BODIPY photosensitizers: clues on structural designs and heavy atom substitution patterns. Physical Chemistry Chemical Physics, 2017, 19, 69-72.	1.3	31
22	Bis(haloBODIPYs) with Labile Helicity: Valuable Simple Organic Molecules That Enable Circularly Polarized Luminescence. Chemistry - A European Journal, 2016, 22, 8805-8808.	1.7	58
23	Exploring the Application of the Negishi Reaction of HaloBODIPYs: Generality, Regioselectivity, and Synthetic Utility in the Development of BODIPY Laser Dyes. Journal of Organic Chemistry, 2016, 81, 3700-3710.	1.7	38
24	Pushâ€“pull flexibly-bridged bis(haloBODIPYs): solvent and spacer switchable red emission. Dalton Transactions, 2016, 45, 11839-11848.	1.6	23
25	Circularly Polarized Luminescence from Simple Organic Molecules. Chemistry - A European Journal, 2015, 21, 13488-13500.	1.7	773
26	An asymmetric BODIPY triad with panchromatic absorption for high-performance red-edge laser emission. Chemical Communications, 2015, 51, 11382-11385.	2.2	23
27	Coumarinâ€“BODIPY hybrids by heteroatom linkage: versatile, tunable and photostable dye lasers for UV irradiation. Physical Chemistry Chemical Physics, 2015, 17, 8239-8247.	1.3	56
28	Preparation of dipyrrins from F-BODIPYs by treatment with methanesulfonic acids. RSC Advances, 2015, 5, 68676-68680.	1.7	9
29	Increased laser action in commercial dyes from fluorination regardless of their skeleton. Laser Physics Letters, 2014, 11, 115818.	0.6	9
30	First Highly Efficient and Photostable E and Câ€...Derivatives of 4,4â€Difluoroâ€4â€boraâ€3a,4aâ€diazaâ€sâ€indacene (BODIPY) as Dye Lasers in the Liquid Phase, Thin Films, and Solidâ€State Rods. Chemistry - A European Journal, 2014, 20, 2646-2653.	1.7	62
31	Spiranic BODIPYs: a ground-breaking design to improve the energy transfer in molecular cassettes. Chemical Communications, 2014, 50, 12765-12767.	2.2	30
32	Negishi reaction in BODIPY dyes. Unprecedented alkylation by palladium-catalyzed Câ€“C coupling in boron dipyrromethene derivatives. RSC Advances, 2014, 4, 19210-19213.	1.7	32
33	Selective Lateral Lithiation of Methyl BODIPYs: Synthesis, Photophysics, and Electrochemistry of New Meso Derivatives. Organic Letters, 2014, 16, 4364-4367.	2.4	32
34	Circularly Polarized Luminescence by Visible-Light Absorption in a Chiral O-BODIPY Dye: Unprecedented Design of CPL Organic Molecules from Achiral Chromophores. Journal of the American Chemical Society, 2014, 136, 3346-3349.	6.6	325
35	Carboxylates versus Fluorines: Boosting the Emission Properties of Commercial BODIPYs in Liquid and Solid Media. Advanced Functional Materials, 2013, 23, 4195-4205.	7.8	56
36	8-Functionalization of Alkyl-Substituted-3,8-Dimethyl BODIPYs by Knoevenagel Condensation. Organic Letters, 2013, 15, 4454-4457.	2.4	42

#	Article	IF	Citations
37	Unprecedented induced axial chirality in a molecular BODIPY dye: strongly bisignated electronic circular dichroism in the visible region. Chemical Communications, 2013, 49, 11641.	2.2	42
38	Nitro and amino BODIPYS: crucial substituents to modulate their photonic behavior. RSC Advances, 2013, 3, 1547-1556.	1.7	37
39	Chlorinated BODIPYs: Surprisingly Efficient and Highly Photostable Laser Dyes. European Journal of Organic Chemistry, 2012, 2012, 6335-6350.	1.2	92
40	Synthesis and functionalization of new polyhalogenated BODIPY dyes. Study of their photophysical properties and singlet oxygen generation. Tetrahedron, 2012, 68, 1153-1162.	1.0	117
41	Controlling Optical Properties and Function of BODIPY by Using Asymmetric Substitution Effects. Chemistry - A European Journal, 2010, 16, 14094-14105.	1.7	38
42	Efficient photochemical synthesis of 2-vinylcyclopropanecarbaldehydes, precursors of cyclopropane components present in pyrethroids, by using the oxa-di-Ï€-methane rearrangement. Tetrahedron, 2010, 66, 8690-8697.	1.0	8
43	SmI₂-Mediated 3-exo-trig Cyclization of Î²,Î³-Unsaturated Carbonyl Compounds: Diastereoselective Synthesis of Cyclopropanols. Organic Letters, 2010, 12, 4082-4085.	2.4	29
44	Red-edge-wavelength finely-tunable laser action from new BODIPY dyes. Physical Chemistry Chemical Physics, 2010, 12, 7804.	1.3	72
45	Remarkable Observations on Triplet-Sensitized Reactions. The Di-Ï€-methane Rearrangement of Acyclic 1,4-Dienes in the Triplet Excited State. Organic Letters, 2009, 11, 4148-4151.	2.4	6
46	The Effects of Triplet Sensitizers' Energies on the Photoreactivity of Î²,Î³-Unsaturated Methyl Ketones. Angewandte Chemie - International Edition, 2005, 44, 7739-7741.	7.2	14
47	Novel Oxa-di-Ï€-methane and Norrish Type I Reactions in the S2(Ï€,Ï€*) Excited State of a Series of Î²,Î³-Unsaturated Ketones. Organic Letters, 2005, 7, 2687-2690.	2.4	15
48	Influence of Electron-Donor Sensitizers on SET-Promoted Photochemical Reactions of Î²,Î³-Unsaturated Aldehydes. Organic Letters, 2004, 6, 2261-2264.	2.4	15
49	Unexpected photochemical reactivity of 3-(9-fluorenylidene)-2,2-dimethylpropenal oxime acetate. Journal of Molecular Structure, 2003, 648, 19-25.	1.8	2
50	Novel Photoreactions of 2-Aza-1,4-dienes in the Triplet Excited State and via Radical-Cation Intermediates. 2-Aza-di-Ï€-methane Rearrangements Yielding Cyclopropylimines andN-Vinylaziridines. Journal of Organic Chemistry, 2003, 68, 6661-6671.	1.7	17
51	Photochemical Reactivity of 1-Substituted-1-aza-1,4-dienes Promoted by Electron-Acceptor Sensitizers. Di-Ï€-methane Rearrangements and Alternative Reactions via Radical-Cation Intermediates. Journal of Organic Chemistry, 2002, 67, 9397-9405.	1.7	8
52	Di-Ï€-methane Reactions Promoted by SET from Electron-Donor Sensitizers. Journal of the American Chemical Society, 2001, 123, 9920-9921.	6.6	11
53	A Novel Photochemical Vinylcyclopropane Rearrangement Yielding 6,7-Dihydro-5H-benzocycloheptene Derivatives. Organic Letters, 2000, 2, 183-186.	2.4	18
54	The novel 1-aza-di-Ï€-methane rearrangement of 1-substituted-1-aza-1,4-dienes promoted by DCA-sensitization. Tetrahedron Letters, 1999, 40, 1759-1762.	0.7	9

#	Article	IF	Citations
55	Photochemical Vinylcyclopropane Rearrangements of 1-Substituted-3-(2,2-diphenylvinyl)-2,2-dimethylcyclopropanes to Cyclopentenes and Different Heterocycles. Journal of Organic Chemistry, 1999, 64, 1056-1060.	1.7	13
56	Unexpected Oxadi-Ï€-methane Rearrangement of Î²,Î³-Unsaturated Aldehydes. Journal of Organic Chemistry, 1996, 61, 1459-1466.	1.7	23
57	A new photochemical synthesis of cyclopropanecarboxylic acids present in pyrethroids by the aza-di-Ï€-methane rearrangement. Tetrahedron, 1995, 51, 9223-9240.	1.0	29
58	Steric and electronic effects on the photochemical reactivity of oxime acetates of Î²,Î³-unsaturated aldehydes. Journal of the Chemical Society Perkin Transactions 1, 1992, , 163-169.	0.9	15
59	Unexpected influence of mono-phenyl substitution on the photochemistry of Î²,Î³-unsaturated oxime acetates. Journal of the Chemical Society Chemical Communications, 1990, , 934-936.	2.0	8
60	Synthesis of benzothiophenes in gas phase from aromatic hydrocarbons and carbon disulfide. Reaction Kinetics and Catalysis Letters, 1986, 30, 157-163.	0.6	3