

Mariano Bossi

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

2,026
citations

516710

16
h-index

610901

24
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28
all docs

28
docs citations

28
times ranked

2384
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorescence nanoscopy by ground-state depletion and single-molecule return. <i>Nature Methods</i> , 2008, 5, 943-945.	19.0	700
2	Multicolor Far-Field Fluorescence Nanoscopy through Isolated Detection of Distinct Molecular Species. <i>Nano Letters</i> , 2008, 8, 2463-2468.	9.1	224
3	Fluorescent Photoswitchable Diarylethenes for Biolabeling and Single-Molecule Localization Microscopies with Optical Superresolution. <i>Journal of the American Chemical Society</i> , 2017, 139, 6611-6620.	13.7	177
4	Reversible Red Fluorescent Molecular Switches. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7462-7465.	13.8	158
5	Carboxylated Photoswitchable Diarylethenes for Biolabeling and Super-Resolution RESOLFT Microscopy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15429-15433.	13.8	127
6	Rhodamine Spiroamides for Multicolor Single-Molecule Switching Fluorescent Nanoscopy. <i>Chemistry - A European Journal</i> , 2009, 15, 10762-10776.	3.3	112
7	Triarylmethane Fluorophores Resistant to Oxidative Photobleaching. <i>Journal of the American Chemical Society</i> , 2019, 141, 981-989.	13.7	103
8	Reversibly Photoswitchable Fluorescent Diarylethenes Resistant against Photobleaching in Aqueous Solutions. <i>Journal of the American Chemical Society</i> , 2019, 141, 16471-16478.	13.7	75
9	Masked Rhodamine Dyes of Five Principal Colors Revealed by Photolysis of a Diazo-Indanone Caging Group: Synthesis, Photophysics, and Light Microscopy Applications. <i>Chemistry - A European Journal</i> , 2014, 20, 13162-13173.	3.3	68
10	Turn-on mode diarylethenes for bioconjugation and fluorescence microscopy of cellular structures. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	45
11	The mechanism of the photochromic transformation of spirorhodamines. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1081.	2.9	43
12	Asymmetric Diarylethenes with Oxidized Alkylbenzothiophenyl Units: Chemistry, Fluorescence, and Photoswitching. <i>Advanced Optical Materials</i> , 2019, 7, 1801746.	7.3	35
13	Photoactivatable Fluorophore for Stimulated Emission Depletion (STED) Microscopy and Bioconjugation Technique for Hydrophobic Labels. <i>Chemistry - A European Journal</i> , 2021, 27, 451-458.	3.3	31
14	Carboxylierte photoschaltbare Diarylethene als Biomarkierungen für hochauflösende RESOLFT-Mikroskopie. <i>Angewandte Chemie</i> , 2016, 128, 15655-15659.	2.0	22
15	Photoactivatable Rhodamine Spiroamides and Diazoketones Decorated with Universal Hydrophilizer- or Hydroxyl Groups. <i>Journal of Organic Chemistry</i> , 2018, 83, 6466-6476.	3.2	22
16	Synthesis of Photochromic Compounds for Aqueous Solutions and Focusable Light. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3301-3312.	2.4	18
17	Multicolour fluorescent sulfide-sulfone-diarylethenes with high photo-fatigue resistance. <i>Chemical Communications</i> , 2020, 56, 2198-2201.	4.1	16
18	Bichromophoric Compounds with Orthogonally and Parallely Arranged Chromophores Separated by Rigid Spacers. <i>Chemistry - A European Journal</i> , 2017, 23, 2469-2475.	3.3	14

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19	The Positive Switching Fluorescent Protein Padron2 Enables Live-Cell Reversible Saturable Optical Linear Fluorescence Transitions (RESOLFT) Nanoscopy without Sequential Illumination Steps. ACS Nano, 2021, 15, 9509-9521.	14.6	9
20	Influence of Monolayer State on Spectroscopy and Photoisomerization of an Amphiphilic Styryl-Pyridinium Dye on a Solid Substrate. Langmuir, 2007, 23, 3699-3705.	3.5	7
21	Mono- and bithiophene-substituted diarylethene photoswitches with emissive open or closed forms. Beilstein Journal of Organic Chemistry, 2019, 15, 2344-2354.	2.2	7
22	Nanoporous silica nanoparticles functionalized with a fluorescent turn-on spirorhodamineamide as pH indicators. Photochemical and Photobiological Sciences, 2019, 18, 155-165.	2.9	5
23	Design and characterization of pH-sensitive spirorhodamine 6G probes with aliphatic substituents. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 384, 112011.	3.9	3
24	Masked Rhodamine Dyes of Five Principal Colors Revealed by Photolysis of a 2-Diazo-1-Indanone Caging Group: Synthesis, Photophysics, and Light Microscopy Applications. Chemistry - A European Journal, 2014, 20, 13044-13044.	3.3	1
25	Bis-Rhodamines Bridged with a Diazoketone Linker: Synthesis, Structure, and Photolysis. Journal of Organic Chemistry, 2022, 87, 56-65.	3.2	0