FranÃ§isco M Raymo

List of Publications by Year
in descending order

244	20,537	14644 66	11047 137
papers	citations	h-index	g-index

250	250	250	13707
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Artificial Molecular Machines. Angewandte Chemie - International Edition, 2000, 39, 3348-3391.	7.2	2,309
2	Electronically Configurable Molecular-Based Logic Gates. Science, 1999, 285, 391-394.	6.0	1,474
3	A [2]Catenane-Based Solid State Electronically Reconfigurable Switch. Science, 2000, 289, 1172-1175.	6.0	1,326
4	Interlocked Macromolecules. Chemical Reviews, 1999, 99, 1643-1664.	23.0	714
5	Digital Processing and Communication with Molecular Switches. Advanced Materials, 2002, 14, 401-414.	11.1	639
6	Electron and energy transfer modulation with photochromic switches. Chemical Society Reviews, 2005, 34, 327.	18.7	552
7	Signal Processing at the Molecular Level. Journal of the American Chemical Society, 2001, 123, 4651-4652.	6.6	377
8	Fluorescence modulation with photochromic switches in nanostructured constructs. Chemical Society Reviews, 2009, 38, 1859.	18.7	318
9	Rotaxane or Pseudorotaxane? That Is the Question!â€. Journal of the American Chemical Society, 1998, 120, 2297-2307.	6.6	292
10	A Three-Pole Supramolecular Switchâ€. Journal of the American Chemical Society, 1999, 121, 3951-3957.	6.6	275
11	Chromogenic Oxazines for Cyanide Detection. Journal of Organic Chemistry, 2006, 71, 744-753.	1.7	265
12	Switching of Pseudorotaxanes and Catenanes Incorporating a Tetrathiafulvalene Unit by Redox and Chemical Inputsâ€. Journal of Organic Chemistry, 2000, 65, 1924-1936.	1.7	251
13	Colorimetric Detection of Cyanide with a Chromogenic Oxazine. Organic Letters, 2005, 7, 4633-4636.	2.4	229
14	The Magnitude of [Câ^'HÂ·Â·Â·O] Hydrogen Bonding in Molecular and Supramolecular Assemblies. Journal of the American Chemical Society, 2001, 123, 9264-9267.	6.6	218
15	Improved Template-Directed Synthesis of Cyclobis(paraquat-p-phenylene). Journal of Organic Chemistry, 1996, 61, 9591-9595.	1.7	212
16	Self-Assembly, Spectroscopic, and Electrochemical Properties of [n]Rotaxanes1. Journal of the American Chemical Society, 1996, 118, 4931-4951.	6.6	204
17	[Câ^'HÂ·Â·Â·O] Interactions as a Control Element in Supramolecular Complexes:Â Experimental and Theoretical Evaluation of Receptor Affinities for the Binding of Bipyridinium-Based Guests by Catenated Hosts1. Journal of the American Chemical Society, 1999, 121, 1479-1487.	6.6	199
18	Digital Processing with a Three-State Molecular Switch. Journal of Organic Chemistry, 2003, 68, 4158-4169.	1.7	196

#	Article	IF	Citations
19	A Simple Molecular Machine Operated by Photoinduced Proton Transfer. Journal of the American Chemical Society, 2007, 129, 13378-13379.	6.6	195
20	All-optical processing with molecular switches. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4941-4944.	3.3	193
21	Fluorescence Modulation with Photochromic Switches. Journal of Physical Chemistry A, 2005, 109, 7343-7352.	1.1	191
22	Memory Effects Based on Intermolecular Photoinduced Proton Transfer. Journal of the American Chemical Society, 2003, 125, 2361-2364.	6.6	190
23	Optical Processing with Photochromic Switches. Chemistry - A European Journal, 2006, 12, 3186-3193.	1.7	181
24	Supramolecular Assembly of 2,7-Dimethyldiazapyrenium and Cucurbit[8]uril: A New Fluorescent Host for Detection of Catechol and Dopamine. Chemistry - A European Journal, 2005, 11, 7054-7059.	1.7	175
25	Multichannel Digital Transmission in an Optical Network of Communicating Molecules. Journal of the American Chemical Society, 2002, 124, 2004-2007.	6.6	168
26	Fabrication and Transport Properties of Single-Molecule-Thick Electrochemical Junctions. Journal of the American Chemical Society, 2000, 122, 5831-5840.	6.6	167
27	Fluorescent Switches Based on Photochromic Compounds. European Journal of Organic Chemistry, 2009, 2009, 2031-2045.	1.2	167
28	pH-Sensitive Quantum Dots. Journal of Physical Chemistry B, 2006, 110, 3853-3855.	1.2	162
29	The Slipping Approach to Self-Assembling [n]Rotaxanesâ€. Journal of the American Chemical Society, 1997, 119, 302-310.	6.6	150
30	The Mechanism of the Slippage Approach to Rotaxanes. Origin of the â€œAll-or-Nothingâ€•Substituent Effect. Journal of the American Chemical Society, 1998, 120, 9318-9322.	6.6	149
31	A mechanism to signal receptor-substrate interactions with luminescent quantum dots. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11457-11460.	3.3	141
32	Supramolecular Strategies To Construct Biocompatible and Photoswitchable Fluorescent Assemblies. Journal of the American Chemical Society, 2011, 133, 871-879.	6.6	141
33	On-the-fly decoding luminescence lifetimes in the microsecond region for lanthanide-encoded suspension arrays. Nature Communications, 2014, 5, 3741.	5.8	135
34	Fast and Stable Photochromic Oxazines. Journal of Organic Chemistry, 2005, 70, 8180-8189.	1.7	132
35	Constructing Molecular Machinery:â€‰ A Chemically-Switchable [2]Catenane. Journal of the American Chemical Society, 2000, 122, 3542-3543.	6.6	130
36	Controlling Selfâ€Assembly. Chemistry - A European Journal, 1997, 3, 1933-1940.	1.7	129

#	Article	IF	Citations
37	Self-Assembly of [n]Rotaxanes Bearing Dendritic StoppersâŠ¥. Journal of the American Chemical Society, 1996, 118, 12012-12020.	6.6	128
38	Current/Voltage Characteristics of Monolayers of Redox-Switchable [2]Catenanes on Gold. Advanced Materials, 2000, 12, 1099-1102.	11.1	127
39	Allâ€Optical Integrated Logic Operations Based on Chemical Communication between Molecular Switches. Chemistry - A European Journal, 2009, 15, 178-185.	1.7	124
40	Photoactivatable Fluorophores for Super-Resolution Imaging Based on Oxazine Auxochromes. Journal of Physical Chemistry C, 2012, 116, 6058-6068.	1.5	123
41	Molecular belts. 2. Substrate-directed syntheses of belt-type and cage-type structures. Journal of the American Chemical Society, 1993, 115, 5422-5429.	6.6	120
42	pH-Sensitive Ligand for Luminescent Quantum Dots. Langmuir, 2006, 22, 10284-10290.	1.6	118
43	A Fast and Stable Photochromic Switch Based on the Opening and Closing of an Oxazine Ring. Organic Letters, 2005, 7, 1109-1112.	2.4	117
44	Photoresponsive polymer nanocarriers with multifunctional cargo. Chemical Society Reviews, 2014, 43, 4167-4178.	18.7	114
45	Photoswitchable Fluorescent Assemblies Based on Hydrophilic BODIPYâ^'Spiropyran Conjugates. Journal of Physical Chemistry C, 2008, 112, 8038-8045.	1.5	113
46	Luminescent chemosensors based on semiconductor quantum dots. Physical Chemistry Chemical Physics, 2007, 9, 2036.	1.3	112
47	Signal Communication between Molecular Switches. Organic Letters, 2001, 3, 3475-3478.	2.4	110
48	Ferrocene-Containing Carbohydrate Dendrimers. Chemistry - A European Journal, 2002, 8, 673-684.	1.7	110
49	Oxazines: A New Class of Second-Order Nonlinear Optical Switches. Journal of the American Chemical Society, 2016, 138, 5052-5062.	6.6	104
50	Oxidation of Aqueous EDTA and Associated Organics and Coprecipitation of Inorganics by Ambient Iron-Mediated Aeration. Environmental Science & Technology, 2007, 41, 270-276.	4.6	101
51	Photoactive Azobenzene-Containing Supramolecular Complexes and Related Interlocked Molecular Compounds. Chemistry - A European Journal, 1999, 5, 860-875.	1.7	99
52	Cyclobis(Paraquatâ€4,4â€²â€Biphenylene)â€“an Organic Molecular Square. Chemistry - A European Journal, 1996, 2, 877-893.	1.7	96
53	Biocompatible CdSeâ^'ZnS Coreâ^'Shell Quantum Dots Coated with Hydrophilic Polythiols. Langmuir, 2009, 25, 7090-7096.	1.6	95
54	Recognition of Bipyridinium-Based Derivatives by Hydroquinone- and/or Dioxynaphthalene-Based Macrocyclic Polyethers:â€‰ From Inclusion Complexes to the Self-Assembly of [2]Catenanes. Journal of Organic Chemistry, 1997, 62, 26-37.	1.7	94

#	Article	IF	Citations
55	Digital Communication through Intermolecular Fluorescence Modulation. Organic Letters, 2001, 3, 1833-1836.	2.4	92
56	Hydrophilic CdSeâ"ZnS Coreâ"Shell Quantum Dots with Reactive Functional Groups on Their Surface. Langmuir, 2010, 26, 11503-11511.	1.6	89
57	Tight inclusion complexation of 2,7-dimethyldiazapyrenium in cucurbit[7]uril. New Journal of Chemistry, 2005, 29, 280.	1.4	88
58	Photoactivatable synthetic fluorophores. Physical Chemistry Chemical Physics, 2013, 15, 14840.	1.3	87
59	Simple molecular-level machines. Interchange between different threads in pseudorotaxanes. New Journal of Chemistry, 1998, 22, 1061-1065.	1.4	86
60	Self-Assembly of Functionalized [2]Catenanes Bearing a Reactive Functional Group on either One or Both Macrocyclic ComponentsFrom Monomeric [2]Catenanes to Polycatenanesâ€. Macromolecules, 1998, 31, 295-307.	2.2	79
61	Dual-Mode â€œCo-Conformationalâ€•Switching in Catenanes Incorporating Bipyridinium and Dialkylammonium Recognition Sites Molecular Meccano, Part 63. For Part 62, see: R. Ashton, C. L. Brown, J. Cao, Y. Lee, P. Newton, M. Raymo, F. Stoddart, P. White, D. J. Williams, Eur. J. Org. Chem. 2001, 957â€"965., Chemistry - A European Journal, 2001, 7, 3482.	1.7	79
62	Secondâ€Sphere Coordination. Chemische Berichte, 1996, 129, 981-990.	0.2	75
63	Photoinduced proton exchange between molecular switches. Tetrahedron, 2004, 60, 10973-10981.	1.0	74
64	Fast and Stable Photochromic Oxazines for Fluorescence Switching. Langmuir, 2011, 27, 11773-11783.	1.6	73
65	Photoactivatable BODIPYs Designed To Monitor the Dynamics of Supramolecular Nanocarriers. Journal of the American Chemical Society, 2015, 137, 4709-4719.	6.6	72
66	Far-Red Photoactivatable BODIPYs for the Super-Resolution Imaging of Live Cells. Journal of the American Chemical Society, 2018, 140, 12741-12745.	6.6	71
67	An all-photonic full color RGB system based on molecular photoswitches. Nature Communications, 2019, 10, 3996.	5.8	70
68	Origins of Selectivity in Molecular and Supramolecular Entities:Â Solvent and Electrostatic Control of the Translational Isomerism in [2]Catenanesâ€. Journal of Organic Chemistry, 1998, 63, 6523-6528.	1.7	68
69	Fluorescence Modulation in Polymer Bilayers Containing Fluorescent and Photochromic Dopants. Advanced Functional Materials, 2005, 15, 787-794.	7.8	67
70	A Switch in a Cage with a Memory. Organic Letters, 2003, 5, 3559-3562.	2.4	65
71	Molecular Mechanism of Polyacrylate Helix Sense Switching across Its Free Energy Landscape. Journal of the American Chemical Society, 2013, 135, 5509-5512.	6.6	65
72	Bichromophoric Photochromes Based on the Opening and Closing of a Single Oxazine Ring. Journal of Organic Chemistry, 2008, 73, 118-126.	1.7	64

#	Article	IF	Citations
73	Photoactivatable Synthetic Dyes for Fluorescence Imaging at the Nanoscale. Journal of Physical Chemistry Letters, 2012, 3, 2379-2385.	2.1	64
74	Aggregation of self-assembling branched [n]rotaxanes. New Journal of Chemistry, 1998, 22, 959-972.	1.4	62
75	Anthracene-Containing [2]Rotaxanes: Synthesis, Spectroscopic, and Electrochemical Properties. European Journal of Organic Chemistry, 2000, 2000, 591-602.	1.2	62
76	Fluorescence Switching with a Photochromic Auxochrome. Journal of Physical Chemistry Letters, 2010, 1, 3506-3509.	2.1	62
77	Synthesis and Properties of Benzophenoneâ˜Spiropyran and Naphthaleneâ˜Spiropyran Conjugates. Journal of Organic Chemistry, 2007, 72, 595-605.	1.7	61
78	Emission color tuning and white-light generation based on photochromic control of energy transfer reactions in polymer micelles. Chemical Science, 2016, 7, 5867-5871.	3.7	61
79	Pseudorotaxanes and Catenanes Containing a Redox-Active Unit Derived from Tetrathiafulvalene. European Journal of Organic Chemistry, 1999, 1999, 985-994.	1.2	56
80	A Poly(bis[2]catenane) Containing a Combination of Covalent, Mechanical, and Coordinative Bonds. Advanced Materials, 1998, 10, 1366-1369.	11.1	55
81	Substituent Effects on the Photochromism of Bichromophoric Oxazines. Journal of Physical Chemistry C, 2009, 113, 8491-8497.	1.5	53
82	Main-Chain and Pendant Poly([2]catenane)s Incorporating Complementary Ï€-Electron-Rich and -Deficient Components. European Journal of Organic Chemistry, 1998, 1998, 2109-2117.	1.2	52
83	Synthesis of Oligosaccharide Dendrimers. Chemistry - A European Journal, 1998, 4, 1244-1254.	1.7	51
84	Photoinduced Fluorescence Activation and Nitric Oxide Release with Biocompatible Polymer Nanoparticles. Chemistry - A European Journal, 2012, 18, 15782-15787.	1.7	51
85	Photoinduced Enhancement in the Luminescence of Hydrophilic Quantum Dots Coated with Photocleavable Ligands. Journal of the American Chemical Society, 2012, 134, 2276-2283.	6.6	51
86	Luminescence Modulation with Semiconductor Quantum Dots and Photochromic Ligands. Australian Journal of Chemistry, 2006, 59, 175.	0.5	50
87	Optical control of quantum dot luminescence via photoisomerization of a surface-coordinated, cationic dithienylethene. Photochemical and Photobiological Sciences, 2010, 9, 249.	1.6	50
88	Photoswitchable Fluorescent Dyads Incorporating BODIPY and [1,3]Oxazine Components. Journal of Physical Chemistry A, 2010, 114, 11567-11575.	1.1	50
89	Predicting the Switchable Screw Sense in Fluoreneâ€Based Polymers. Angewandte Chemie - International Edition, 2015, 54, 2688-2692.	7.2	48
90	Ubiquitin binds the amyloid Î² peptide and interferes with its clearance pathways. Chemical Science, 2019, 10, 2732-2742.	3.7	46

#	Article	IF	Citations
91	Self-Assembling Cyclophanes and Catenanes Possessing Elements of Planar Chirality. Chemistry - A European Journal, 1998, 4, 299-310.	1.7	45
92	Structural and Size Effects on the Spectroscopic and Redox Properties of CdSe Nanocrystals in Solution: The Role of Defect States. ChemPhysChem, 2011, 12, 2280-2288.	1.0	45
93	Structureâ^'Reactivity Relationship in Interlocked Molecular Compounds and in Their Supramolecular Model Complexesâ€. Journal of the American Chemical Society, 1997, 119, 2614-2627.	6.6	44
94	Saving paper with switchable ink. Dyes and Pigments, 2014, 106, 71-73.	2.0	44
95	Detection of nitroaromatic explosives by a 3D hyperbranched Ïƒâ€“Ï€ conjugated polymer based on a POSS scaffold. Journal of Materials Chemistry A, 2017, 5, 14343-14354.	5.2	44
96	Nanoparticle-induced transition from positive to negative photochromism. Inorganica Chimica Acta, 2007, 360, 938-944.	1.2	43
97	Copper(II) complexes with chicken prion repeats: influence of proline and tyrosine residues on the coordination features. Journal of Biological Inorganic Chemistry, 2005, 10, 463-475.	1.1	42
98	Electron and energy transfer mechanisms to switch the luminescence of semiconductor quantum dots. Journal of Materials Chemistry, 2008, 18, 5577.	6.7	42
99	Fast Fluorescence Photoswitching in a BODIPYâ^'Oxazine Dyad with Excellent Fatigue Resistance. Journal of Physical Chemistry Letters, 2010, 1, 1690-1693.	2.1	42
100	Self-Complementary [2]Catenanes and Their Related [3]Catenanes. Chemistry - A European Journal, 2000, 6, 2262-2273.	1.7	41
101	Tetrathiafulvalenenaphthalenophanes:Â Planar Chirality andcis/transPhotoisomerization. Journal of Organic Chemistry, 2000, 65, 4120-4126.	1.7	40
102	Intermolecular Coupling of Motion under Photochemical Control. Angewandte Chemie - International Edition, 2006, 45, 5249-5251.	7.2	40
103	Structural Implications on the Electrochemical and Spectroscopic Signature of CdSe-ZnS Coreâ^'Shell Quantum Dots. Journal of Physical Chemistry C, 2010, 114, 7007-7013.	1.5	40
104	Ratiometric temperature sensing with fluorescent thermochromic switches. Chemical Communications, 2019, 55, 1112-1115.	2.2	40
105	Optically Transparent, Ultrathin Pt Films as Versatile Metal Substrates for Molecular Optoelectronics. Advanced Functional Materials, 2006, 16, 1425-1432.	7.8	39
106	A Photochromic Bioconjugate with Photoactivatable Fluorescence for Superresolution Imaging. Journal of Physical Chemistry C, 2016, 120, 12860-12870.	1.5	39
107	Diastereoselective Self-Assembly of [2]Catenanes. European Journal of Organic Chemistry, 1999, 1999, 995-1004.	1.2	38
108	Template-Directed Syntheses, Spectroscopic Properties, and Electrochemical Behavior of [n]Catenanes. European Journal of Organic Chemistry, 2000, 2000, 1121-1130.	1.2	38

#	Article	IF	Citations
109	Intracellular Guest Exchange between Dynamic Supramolecular Hosts. Journal of the American Chemical Society, 2014, 136, 7907-7913.	6.6	38
110	Facile fabrication of AIE/AIEE-active fluorescent nanoparticles based on barbituric for cell imaging applications. RSC Advances, 2017, 7, 30229-30241.	1.7	38
111	Conversion of .alpha.-Keto Esters into .beta.,.beta.-Difluoro-.alpha.-keto Esters and Corresponding Acids: A Simple Route to a Novel Class of Serine Protease Inhibitors. Journal of Organic Chemistry, 1995, 60, 5174-5179.	1.7	37
112	Template-Directed Syntheses of Catenanes. Collection of Czechoslovak Chemical Communications, 1997, 62, 527-557.	1.0	37
113	Fluorescence activation with switchable oxazines. Chemical Communications, 2018, 54, 8799-8809.	2.2	37
114	Structural designs for ratiometric temperature sensing with organic fluorophores. Journal of Materials Chemistry C, 2019, 7, 5333-5342.	2.7	37
115	Fluorescent Diazapyrenium Films and Their Response to Dopamine. Langmuir, 2005, 21, 5795-5802.	1.6	36
116	Formation of insulin fragments by insulinâ€degrading enzyme: the role of zinc(II) and cystine bridges. Journal of Mass Spectrometry, 2013, 48, 135-140.	0.7	36
117	Photochemical Barcodes. Journal of the American Chemical Society, 2018, 140, 4485-4488.	6.6	36
118	The Electrochemically-Driven Decomplexation/Recomplexation of Inclusion Adducts of Ferrocene Derivatives with an Electron-Accepting Receptorâ€. Journal of Organic Chemistry, 2000, 65, 1947-1956.	1.7	35
119	Anti-proliferative and anti-cancer properties of Achyranthes aspera: Specific inhibitory activity against pancreatic cancer cells. Journal of Ethnopharmacology, 2010, 131, 78-82.	2.0	35
120	Fast Fluorescence Switching within Hydrophilic Supramolecular Assemblies. Chemistry - A European Journal, 2012, 18, 10399-10407.	1.7	35
121	Template-Directed Synthesis of a Rotacatenane. European Journal of Organic Chemistry, 1999, 1999, 1295-1302.	1.2	34
122	Amplification of the Coloration Efficiency of Photochromic Oxazines. Advanced Materials, 2008, 20, 832-835.	11.1	34
123	A new family of photochromic compounds based on the photoinduced opening and thermal closing of [1,3]oxazine rings. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 200, 44-49.	2.0	34
124	Photochromic Oxazines with Extended Conjugation. European Journal of Organic Chemistry, 2009, 2009, 4333-4339.	1.2	34
125	Molecular Meccano, 48Probing Co-Conformational Changes in Chiral [2]Rotaxanes by1H-NMR Spectroscopy. European Journal of Organic Chemistry, 1999, 1999, 899-908.	1.2	33
126	Supramolecular Association of Dopamine with Immobilized Fluorescent Probes. Organic Letters, 2002, 4, 3183-3185.	2.4	33

#	Article	IF	Citations
127	Self-assembly of naphthalene diimides into cylindrical microstructures. Tetrahedron Letters, 2005, 46, 5695-5698.	0.7	33
128	Insights into the isomerization of photochromic oxazines from the excitation dynamics of BODIPYâ€“oxazine dyads. Physical Chemistry Chemical Physics, 2012, 14, 10300.	1.3	33
129	Fluorescence Photoactivation by Ligand Exchange around the Boron Center of a BODIPY Chromophore. Organic Letters, 2013, 15, 3154-3157.	2.4	33
130	Selfâ€Assembly of Novel [2]Catenanes and [2]Pseudorotaxanes Incorporating Thiacrown Ethers or Their Acyclic Analogues. Chemistry - A European Journal, 1997, 3, 772-787.	1.7	32
131	Luminescence quenching in supramolecular assemblies of quantum dots and bipyridinium dications. Journal of Materials Chemistry, 2008, 18, 2022.	6.7	32
132	Effects of Strained Bicyclic Annelation on the Benzene Nucleus: The X-Ray Crystal Structures of a Triphenylene and Two Anthracene Derivatives. Angewandte Chemie International Edition in English, 1996, 35, 339-341.	4.4	31
133	Fluorescence Photoactivation by Intermolecular Proton Transfer. Journal of Physical Chemistry A, 2012, 116, 9928-9933.	1.1	31
134	Acid/Base-controlled supramolecular switch. New Journal of Chemistry, 1998, 22, 1131-1134.	1.4	30
135	Self-Assembling Bipyridinium Multilayers. Journal of Physical Chemistry B, 2005, 109, 6164-6173.	1.2	30
136	Photochromic Polymers Based on the Photoinduced Opening and Thermal Closing of [1,3]Oxazine Rings. Advanced Functional Materials, 2009, 19, 3956-3961.	7.8	30
137	Absorption Spectra of 4â€Nitrophenolate Ions Measured in Vacuo and in Solution. ChemPhysChem, 2009, 10, 1207-1209.	1.0	29
138	A fluorescent and halochromic indolizine switch. Journal of Materials Chemistry C, 2016, 4, 2744-2747.	2.7	29
139	A Photoactivatable Far-Red/Near-Infrared BODIPY To Monitor Cellular Dynamics in Vivo. ACS Sensors, 2018, 3, 1347-1353.	4.0	29
140	Porphyrin-Containing Glycodendrimers. European Journal of Organic Chemistry, 2003, 2003, 288-294.	1.2	28
141	Electrochemical Switching of Chromogenic Monolayers Self-Assembled on Transparent Platinum Electrodes. Advanced Materials, 2005, 17, 1390-1393.	11.1	28
142	Fluorescence patterning in films of a photoswitchable BODIPYâ€“spiropyran dyad. Physical Chemistry Chemical Physics, 2010, 12, 11630.	1.3	28
143	Molecular strategies to read and write at the nanoscale with far-field optics. Nanoscale, 2011, 3, 59-70.	2.8	28
144	Plasmonic Activation of a Fluorescent Carbazoleâ€“Oxazine Switch. Chemistry - A European Journal, 2014, 20, 10276-10284.	1.7	28

#	Article	IF	Citations
145	Bioimaging with Macromolecular Probes Incorporating Multiple BODIPY Fluorophores. Bioconjugate Chemistry, 2017, 28, 1519-1528.	1.8	28
146	Copper(II) complexes with an avian prion N-terminal region and their potential SOD-like activity. Journal of Inorganic Biochemistry, 2009, 103, 195-204.	1.5	27
147	Zinc(II) Interactions with Brain-Derived Neurotrophic Factor N-Terminal Peptide Fragments: Inorganic Features and Biological Perspectives. Inorganic Chemistry, 2013, 52, 11075-11083.	1.9	27
148	Reversible Disassemblyâ€“Assembly of Octa Acidâ€“Guest Capsule in Water Triggered by a Photochromic Process. Organic Letters, 2016, 18, 1566-1569.	2.4	27
149	Autocatalytic Fluorescence Photoactivation. Journal of the American Chemical Society, 2014, 136, 13798-13804.	6.6	26
150	A chiralityâ€based metrics for freeâ€energy calculations in biomolecular systems. Journal of Computational Chemistry, 2011, 32, 2627-2637.	1.5	25
151	A Photoswitchable Fluorophore for the Realâ€Time Monitoring of Dynamic Events in Living Organisms. Chemistry - A European Journal, 2016, 22, 15027-15034.	1.7	25
152	The Copper(II)-Assisted Connection between NGF and BDNF by Means of Nerve Growth Factor-Mimicking Short Peptides. Cells, 2019, 8, 301.	1.8	25
153	Chiroptical Switching Based on Photoinduced Proton Transfer between Homopolymers Bearing Sideâ€Chain Spiropyran and Azopyridine Moieties. Macromolecular Chemistry and Physics, 2008, 209, 2049-2060.	1.1	24
154	Microwave-assisted synthesis of symmetric and asymmetric viologens. Tetrahedron Letters, 2010, 51, 5618-5620.	0.7	24
155	Redox properties of CdSe and CdSeâ€“ZnS quantum dots in solution. Pure and Applied Chemistry, 2010, 83, 1-8.	0.9	24
156	Synergistic Approach of Ultrafast Spectroscopy and Molecular Simulations in the Characterization of Intramolecular Charge Transfer in Push-Pull Molecules. Molecules, 2020, 25, 430.	1.7	24
157	Fluorescence Switching for Temperature Sensing in Water. Journal of the American Chemical Society, 2022, 144, 4759-4763.	6.6	24
158	The regioselective generation of arynes from polyhalogenobenzenes. An improved synthesis of syn- and anti-1,4,5,8,9,12-hexahydro-1,4:5,8:9,12-triepoxytriphenylene. Tetrahedron, 1992, 48, 6827-6838.	1.0	22
159	Self-assembling wholly synthetic systems. Current Opinion in Colloid and Interface Science, 1996, 1, 116-126.	3.4	22
160	The balance between electronic and steric effects in the template-directed syntheses of [2]catenanes. Tetrahedron, 2001, 57, 3799-3808.	1.0	22
161	Electron Transport in Self-Assembled Bipyridinium Multilayersâ€. Journal of Physical Chemistry B, 2004, 108, 8622-8625.	1.2	22
162	Azopyridinium-Containing [2]Pseudorotaxanes and Hydrazopyridinium-Containing [2]Catenanes. European Journal of Organic Chemistry, 2001, 2001, 957-965.	1.2	21

#	Article	IF	Citations
163	Donor/Acceptor Interactions in Self-Assembled Monolayers and Their Consequences on Interfacial Electron Transfer. Journal of Physical Chemistry B, 2004, 108, 19307-19313.	1.2	21
164	Superresolution Imaging with Switchable Fluorophores Based on Oxazine Auxochromes. Photochemistry and Photobiology, 2013, 89, 1391-1398.	1.3	21
165	Activation of BODIPY fluorescence by the photoinduced dealkylation of a pyridinium quencher. Physical Chemistry Chemical Physics, 2013, 15, 14851.	1.3	21
166	Self-assembling supermolecules and supramolecular arrays based on metal coordination. Current Opinion in Colloid and Interface Science, 1998, 3, 150-159.	3.4	20
167	Synthesis and properties of molecular switches based on the opening and closing of oxazine rings. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 229, 20-28.	2.0	20
168	Photoactivatable Anthracenes. Journal of Organic Chemistry, 2014, 79, 3973-3981.	1.7	20
169	Supramolecular nanoreactors for intracellular singlet-oxygen sensitization. Nanoscale, 2015, 7, 14071-14079.	2.8	20
170	A Small Linear Peptide Encompassing the NGF N-Terminus Partly Mimics the Biological Activities of the Entire Neurotrophin in PC12 Cells. ACS Chemical Neuroscience, 2015, 6, 1379-1392.	1.7	20
171	Highlighting Cancer Cells with Halochromic Switches. ACS Sensors, 2017, 2, 92-101.	4.0	20
172	BODIPYs with Photoactivatable Fluorescence. Chemistry - A European Journal, 2021, 27, 11257-11267.	1.7	20
173	Computational Insights on the Isomerization of Photochromic Oxazines. Journal of Physical Chemistry A, 2012, 116, 11888-11895.	1.1	19
174	Compact, â€œClickableâ€•Quantum Dots Photoligated with Multifunctional Zwitterionic Polymers for Immunofluorescence and In Vivo Imaging. Bioconjugate Chemistry, 2020, 31, 1497-1509.	1.8	19
175	Optical writing and reading with bilayer assemblies of photosensitive and fluorescent films. Journal of Materials Chemistry, 2005, 15, 4354.	6.7	18
176	Hydrophilic and photochromic switches based on the opening and closing of [1,3]oxazine rings. Photochemical and Photobiological Sciences, 2010, 9, 136-140.	1.6	18
177	Energy-Transfer Schemes To Probe Fluorescent Nanocarriers and Their Emissive Cargo. Langmuir, 2015, 31, 9557-9565.	1.6	18
178	Photochromic nanocomposites of bipyridinium dications and semiconductor quantum dots. Journal of Materials Chemistry, 2006, 16, 1118.	6.7	17
179	Optical and chiroptical switches based on photoinduced photon and proton transfer in copolymers containing spiropyran and azopyridine chromophores in their side chains. Polymer, 2009, 50, 5638-5646.	1.8	17
180	A photoswitchable bichromophoric oxazine with fast switching speeds and excellent fatigue resistance. Canadian Journal of Chemistry, 2011, 89, 110-116.	0.6	16

#	Article	IF	Citations
181	The integration of triggered drug delivery with real time quantification using FRET; creating a super â€˜smartâ€™ drug delivery system. Journal of Controlled Release, 2017, 264, 136-144.	4.8	16
182	Acenaphane derivatives from furan macrocycles. Tetrahedron, 1994, 50, 9113-9124.	1.0	15
183	Electron transport in bipyridinium films. Chemical Record, 2004, 4, 204-218.	2.9	15
184	Twoâ€Photon Excitation of a Plasmonic Nanoswitch Monitored by Singleâ€Molecule Fluorescence Microscopy. Chemistry - A European Journal, 2016, 22, 7281-7287.	1.7	15
185	Pyrazolones Activate the Proteasome by Gating Mechanisms and Protect Neuronal Cells from Î²â€Amyloid Toxicity. ChemMedChem, 2020, 15, 302-316.	1.6	15
186	Photoactivatable fluorophores for single-molecule localization microscopy of live cells. Methods and Applications in Fluorescence, 2020, 8, 032002.	1.1	15
187	Nanocarrier based on halloysite and fluorescent probe for intracellular delivery of peptide nucleic acids. Journal of Colloid and Interface Science, 2022, 620, 221-233.	5.0	15
188	Live-Cell Imaging at the Nanoscale with Bioconjugatable and Photoactivatable Fluorophores. Bioconjugate Chemistry, 2020, 31, 1052-1062.	1.8	14
189	Self-assembling and electrochromic films of bipyridinium building blocks. Journal of Materials Chemistry, 2006, 16, 3171.	6.7	13
190	Temperature-dependent UV absorption of biphenyl based on intra-molecular rotation investigated within a combined experimental and TD-DFT approach. Liquid Crystals, 2018, 45, 2048-2053.	0.9	13
191	High-Throughput Single-Molecule Spectroscopy Resolves the Conformational Isomers of BODIPY Chromophores. Journal of Physical Chemistry Letters, 2019, 10, 6807-6812.	2.1	13
192	Photochromic Compounds for Fluorescence Nanoscopy. Current Physical Chemistry, 2011, 1, 232-241.	0.1	13
193	Photoactivatable Fluorophores. , 2012, 2012, 1-15.		13
194	A Simple and Efficient Method for the Preparation of 1-Benzyloxy-5-hydroxynaphthalene. Synlett, 1999, 1999, 330-332.	1.0	12
195	Dithiolane ligands for semiconductor quantum dots. Journal of Materials Chemistry, 2008, 18, 3940.	6.7	12
196	Fluorescence Activation with Photochromic Auxochromes. Israel Journal of Chemistry, 2013, 53, 247-255.	1.0	12
197	Optical writing and reading with a photoactivatable carbazole. Physical Chemistry Chemical Physics, 2015, 17, 11140-11143.	1.3	12
198	A Versatile Computational Strategy To Characterize the Free-Energy Landscape of Excited States in Oligofluorenes. Journal of Chemical Theory and Computation, 2018, 14, 5441-5445.	2.3	12

#	Article	IF	Citations
199	Synthesis in living cells with the assistance of supramolecular nanocarriers. RSC Advances, 2016, 6, 32441-32445.	1.7	11
200	Fluorescence patterning with mild illumination in polymer films of photocleavable oxazines. Journal of Materials Chemistry C, 2017, 5, 1179-1183.	2.7	11
201	Free-energy predictions and absorption spectra calculations for supramolecular nanocarriers and their photoactive cargo. Nanoscale, 2017, 9, 4989-4994.	2.8	11
202	A photoactivatable light tracer. Journal of Materials Chemistry C, 2017, 5, 12714-12719.	2.7	11
203	Metal ion coordination in peptide fragments of neurotrophins: A crucial step for understanding the role and signaling of these proteins in the brain. Coordination Chemistry Reviews, 2021, 435, 213790.	9.5	11
204	The synthesis of a novel iptycene containing the triphenylene unit. Tetrahedron Letters, 1993, 34, 5331-5332.	0.7	10
205	Electroactive Films of Multicomponent Building Blocks. Advanced Functional Materials, 2007, 17, 814-820.	7.8	10
206	Predicting the Switchable Screw Sense in Fluoreneâ€Based Polymers. Angewandte Chemie, 2015, 127, 2726-2730.	1.6	10
207	Semiconductor Quantum Dots with Photoresponsive Ligands. Topics in Current Chemistry, 2016, 374, 73.	3.0	10
208	Structural Implications on the Properties of Self-Assembling Supramolecular Hosts for Fluorescent Guests. Langmuir, 2016, 32, 8676-8687.	1.6	10
209	Structural implications on the excitation dynamics of fluorescent 3H-indolium cations. Physical Chemistry Chemical Physics, 2017, 19, 11904-11913.	1.3	10
210	From Peptide Fragments to Whole Protein: Copper(II) Load and Coordination Features of IAPP. Chemistry - A European Journal, 2017, 23, 17898-17902.	1.7	10
211	Photopotentiation of the GABA _A receptor with caged diazepam. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21176-21184.	3.3	10
212	Blue circularly polarized luminescent amorphous molecules with single-handed propeller chirality induced by circularly polarized light irradiation. Chemical Communications, 2021, 57, 1794-1797.	2.2	10
213	Electroactive films incorporating 4,4â€²-Bipyridinium building blocks. Journal of Supramolecular Chemistry, 2002, 2, 63-77.	0.4	9
214	A new route to phenanthrene derivatives. Tetrahedron Letters, 1994, 35, 4839-4842.	0.7	8
215	Conformational Preferences of the Full Chicken Prion Protein in Solution and Its Differences with Respect to Mammals. ChemPhysChem, 2009, 10, 1500-1510.	1.0	8
216	Bimolecular photoactivation of NBD fluorescence. New Journal of Chemistry, 2015, 39, 1570-1573.	1.4	7

#	Article	IF	Citations
217	Supramolecular delivery of fluorescent probes in developing embryos. RSC Advances, 2016, 6, 72756-72760.	1.7	7
218	Supramolecular Association of Halochromic Switches and Halloysite Nanotubes in Fluorescent Nanoprobes for Tumor Detection. ACS Applied Nano Materials, 2022, 5, 13729-13736.	2.4	7
219	Self-assembling films of chiral bipyridinium bisthiols. Journal of Materials Chemistry, 2010, 20, 981-989.	6.7	6
220	Right-handed 2/1 helical arrangement of benzene molecules in cholic acid crystal established by experimental and theoretical circular dichroism spectroscopy. RSC Advances, 2015, 5, 101110-101114.	1.7	6
221	Self-Assembling Nanoparticles of Amphiphilic Polymers for In Vitro and In Vivo FRET Imaging. Topics in Current Chemistry, 2016, 370, 29-59.	4.0	6
222	Multi-replica biased sampling for photoswitchable Ï€-conjugated polymers. Journal of Chemical Physics, 2021, 154, 174108.	1.2	6
223	Noncovalent synthesis of donor/acceptor stacks. Tetrahedron Letters, 1998, 39, 5155-5158.	0.7	5
224	A multistate ensemble of molecular switches. New Journal of Chemistry, 2006, 30, 515.	1.4	5
225	Effect of Different Zâ€Inducers on the Stabilization of Z Portion in BZâ€DNA Sequence: Correlation Between Experimental and Simulation Data. Chirality, 2015, 27, 773-778.	1.3	5
226	Plasmonic Acceleration of a Photochemical Replicator. Asian Journal of Organic Chemistry, 2015, 4, 233-238.	1.3	5
227	A Synthetic Strategy for the Structural Modification of Photoactivatable BODIPYâ€Oxazine Dyads. ChemPhotoChem, 2020, 4, 332-337.	1.5	5
228	Large polarization of pushâ€“pull â€œCruciformsâ€viacoordination with lanthanide ions. New Journal of Chemistry, 2021, 46, 221-227.	1.4	5
229	Photo racemization of 2,2â€²â€dihydroxyâ€1,1â€²â€binaphthyl derivatives. Chirality, 2022, 34, 317-324.	1.3	5
230	Chromatography of Mechanically Interlocked Molecular Compounds. Analytical Chemistry, 1996, 68, 3879-3881.	3.2	4
231	A pHâ€Gated Photocage. Advanced Optical Materials, 2016, 4, 1363-1366.	3.6	4
232	Tuning the Activation Wavelength of Photochromic Oxazines. ChemPhysChem, 2016, 17, 1852-1859.	1.0	4
233	The curious case of opossum prion: a physicochemical study on copper(<scp>ii</scp>) binding to the bis-decarepeat fragment from the protein N-terminal domain. Dalton Transactions, 2019, 48, 17533-17543.	1.6	4
234	Learning how planarization can affect dichroic patterns in polyfluorenes. Chirality, 2020, 32, 661-666.	1.3	4

#	Article	IF	Citations
235	Guest Editorial: Photochromic Control of Molecular and Macroscopic Properties. Israel Journal of Chemistry, 2013, 53, 235-235.	1.0	3
236	A simple atomic force microscopy method for the visualization of polar and non-polar parts in thin organic films. Journal of Experimental Nanoscience, 2006, 1, 63-73.	1.3	2
237	Far-red photoactivatable BODIPYs for the super-resolution imaging of live cells. Methods in Enzymology, 2020, 640, 131-147.	0.4	1
238	Switchable Coumarins for Ratiometric pH Sensing. Frontiers in Materials, 2021, 8, .	1.2	1
239	Molecular Simulations of Biological Nanoswitches. , 2020, , 1-5.		1
240	Inside Cover: Absorption Spectra of 4-Nitrophenolate Ions Measuredin Vacuoand in Solution (ChemPhysChem 8/2009). ChemPhysChem, 2009, 10, 1150-1150.	1.0	0
241	Fluorescence activation with the plasmonic assistance of silver nanoparticles. Inorganica Chimica Acta, 2017, 468, 82-90.	1.2	0
242	Frontispiece: BODIPYs with Photoactivatable Fluorescence. Chemistry - A European Journal, 2021, 27, .	1.7	0
243	Shape factors in the binding of soft fluorescent nanoshuttles with target receptors. Molecular Systems Design and Engineering, 2021, 6, 281-285.	1.7	0
244	Bright and compact macromolecular probes for bioimaging applications. , 2018, , .		0