

Françisco M Raymo

List of Publications by Year in descending order

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244
papers

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14655

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11052

137
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250
all docs

250
docs citations

250
times ranked

13707
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial Molecular Machines. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3348-3391.	13.8	2,309
2	Electronically Configurable Molecular-Based Logic Gates. <i>Science</i> , 1999, 285, 391-394.	12.6	1,474
3	A [2]Catenane-Based Solid State Electronically Reconfigurable Switch. <i>Science</i> , 2000, 289, 1172-1175.	12.6	1,326
4	Interlocked Macromolecules. <i>Chemical Reviews</i> , 1999, 99, 1643-1664.	47.7	714
5	Digital Processing and Communication with Molecular Switches. <i>Advanced Materials</i> , 2002, 14, 401-414.	21.0	639
6	Electron and energy transfer modulation with photochromic switches. <i>Chemical Society Reviews</i> , 2005, 34, 327.	38.1	552
7	Signal Processing at the Molecular Level. <i>Journal of the American Chemical Society</i> , 2001, 123, 4651-4652.	13.7	377
8	Fluorescence modulation with photochromic switches in nanostructured constructs. <i>Chemical Society Reviews</i> , 2009, 38, 1859.	38.1	318
9	Rotaxane or Pseudorotaxane? That Is the Question! <i>Journal of the American Chemical Society</i> , 1998, 120, 2297-2307.	13.7	292
10	A Three-Pole Supramolecular Switch <i>Journal of the American Chemical Society</i> , 1999, 121, 3951-3957.	13.7	275
11	Chromogenic Oxazines for Cyanide Detection. <i>Journal of Organic Chemistry</i> , 2006, 71, 744-753.	3.2	265
12	Switching of Pseudorotaxanes and Catenanes Incorporating a Tetrathiafulvalene Unit by Redox and Chemical Inputs <i>Journal of Organic Chemistry</i> , 2000, 65, 1924-1936.	3.2	251
13	Colorimetric Detection of Cyanide with a Chromogenic Oxazine. <i>Organic Letters</i> , 2005, 7, 4633-4636.	4.6	229
14	The Magnitude of [C ⁺ H ⁻ ⋯O] Hydrogen Bonding in Molecular and Supramolecular Assemblies. <i>Journal of the American Chemical Society</i> , 2001, 123, 9264-9267.	13.7	218
15	Improved Template-Directed Synthesis of Cyclobis(paraquat-p-phenylene). <i>Journal of Organic Chemistry</i> , 1996, 61, 9591-9595.	3.2	212
16	Self-Assembly, Spectroscopic, and Electrochemical Properties of [n]Rotaxanes ¹ . <i>Journal of the American Chemical Society</i> , 1996, 118, 4931-4951.	13.7	204
17	[C ⁺ H ⁻ ⋯O] Interactions as a Control Element in Supramolecular Complexes: ¹ Experimental and Theoretical Evaluation of Receptor Affinities for the Binding of Bipyridinium-Based Guests by Catenated Hosts ¹ . <i>Journal of the American Chemical Society</i> , 1999, 121, 1479-1487.	13.7	199
18	Digital Processing with a Three-State Molecular Switch. <i>Journal of Organic Chemistry</i> , 2003, 68, 4158-4169.	3.2	196

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19	A Simple Molecular Machine Operated by Photoinduced Proton Transfer. <i>Journal of the American Chemical Society</i> , 2007, 129, 13378-13379.	13.7	195
20	All-optical processing with molecular switches. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 4941-4944.	7.1	193
21	Fluorescence Modulation with Photochromic Switches. <i>Journal of Physical Chemistry A</i> , 2005, 109, 7343-7352.	2.5	191
22	Memory Effects Based on Intermolecular Photoinduced Proton Transfer. <i>Journal of the American Chemical Society</i> , 2003, 125, 2361-2364.	13.7	190
23	Optical Processing with Photochromic Switches. <i>Chemistry - A European Journal</i> , 2006, 12, 3186-3193.	3.3	181
24	Supramolecular Assembly of 2,7-Dimethyldiazapyrenium and Cucurbit[8]uril: A New Fluorescent Host for Detection of Catechol and Dopamine. <i>Chemistry - A European Journal</i> , 2005, 11, 7054-7059.	3.3	175
25	Multichannel Digital Transmission in an Optical Network of Communicating Molecules. <i>Journal of the American Chemical Society</i> , 2002, 124, 2004-2007.	13.7	168
26	Fabrication and Transport Properties of Single-Molecule-Thick Electrochemical Junctions. <i>Journal of the American Chemical Society</i> , 2000, 122, 5831-5840.	13.7	167
27	Fluorescent Switches Based on Photochromic Compounds. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2031-2045.	2.4	167
28	pH-Sensitive Quantum Dots. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3853-3855.	2.6	162
29	The Slipping Approach to Self-Assembling [n]Rotaxanes. <i>Journal of the American Chemical Society</i> , 1997, 119, 302-310.	13.7	150
30	The Mechanism of the Slippage Approach to Rotaxanes. Origin of the "All-or-Nothing" Substituent Effect. <i>Journal of the American Chemical Society</i> , 1998, 120, 9318-9322.	13.7	149
31	A mechanism to signal receptor-substrate interactions with luminescent quantum dots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 11457-11460.	7.1	141
32	Supramolecular Strategies To Construct Biocompatible and Photoswitchable Fluorescent Assemblies. <i>Journal of the American Chemical Society</i> , 2011, 133, 871-879.	13.7	141
33	On-the-fly decoding luminescence lifetimes in the microsecond region for lanthanide-encoded suspension arrays. <i>Nature Communications</i> , 2014, 5, 3741.	12.8	135
34	Fast and Stable Photochromic Oxazines. <i>Journal of Organic Chemistry</i> , 2005, 70, 8180-8189.	3.2	132
35	Constructing Molecular Machinery: A Chemically-Switchable [2]Catenane. <i>Journal of the American Chemical Society</i> , 2000, 122, 3542-3543.	13.7	130
36	Controlling Self-Assembly. <i>Chemistry - A European Journal</i> , 1997, 3, 1933-1940.	3.3	129

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37	Self-Assembly of [n]Rotaxanes Bearing Dendritic Stoppers. Journal of the American Chemical Society, 1996, 118, 12012-12020.	13.7	128
38	Current/Voltage Characteristics of Monolayers of Redox-Switchable [2]Catenanes on Gold. Advanced Materials, 2000, 12, 1099-1102.	21.0	127
39	All-Optical Integrated Logic Operations Based on Chemical Communication between Molecular Switches. Chemistry - A European Journal, 2009, 15, 178-185.	3.3	124
40	Photoactivatable Fluorophores for Super-Resolution Imaging Based on Oxazine Auxochromes. Journal of Physical Chemistry C, 2012, 116, 6058-6068.	3.1	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.	13.7	120
42	pH-Sensitive Ligand for Luminescent Quantum Dots. Langmuir, 2006, 22, 10284-10290.	3.5	118
43	A Fast and Stable Photochromic Switch Based on the Opening and Closing of an Oxazine Ring. Organic Letters, 2005, 7, 1109-1112.	4.6	117
44	Photoresponsive polymer nanocarriers with multifunctional cargo. Chemical Society Reviews, 2014, 43, 4167-4178.	38.1	114
45	Photoswitchable Fluorescent Assemblies Based on Hydrophilic BODIPY-Spiropyran Conjugates. Journal of Physical Chemistry C, 2008, 112, 8038-8045.	3.1	113
46	Luminescent chemosensors based on semiconductor quantum dots. Physical Chemistry Chemical Physics, 2007, 9, 2036.	2.8	112
47	Signal Communication between Molecular Switches. Organic Letters, 2001, 3, 3475-3478.	4.6	110
48	Ferrocene-Containing Carbohydrate Dendrimers. Chemistry - A European Journal, 2002, 8, 673-684.	3.3	110
49	Oxazines: A New Class of Second-Order Nonlinear Optical Switches. Journal of the American Chemical Society, 2016, 138, 5052-5062.	13.7	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.	10.0	101
51	Photoactive Azobenzene-Containing Supramolecular Complexes and Related Interlocked Molecular Compounds. Chemistry - A European Journal, 1999, 5, 860-875.	3.3	99
52	Cyclobis(Paraquat-Biphenylene) an Organic Molecular Square. Chemistry - A European Journal, 1996, 2, 877-893.	3.3	96
53	Biocompatible CdSe/ZnS Core-Shell Quantum Dots Coated with Hydrophilic Polythiols. Langmuir, 2009, 25, 7090-7096.	3.5	95
54	Recognition of Bipyridinium-Based Derivatives by Hydroquinone- and/or Dioxynaphthalene-Based Macrocyclic Polyethers: From Inclusion Complexes to the Self-Assembly of [2]Catenanes. Journal of Organic Chemistry, 1997, 62, 26-37.	3.2	94

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55	Digital Communication through Intermolecular Fluorescence Modulation. <i>Organic Letters</i> , 2001, 3, 1833-1836.	4.6	92
56	Hydrophilic CdSe/ZnS Core/Shell Quantum Dots with Reactive Functional Groups on Their Surface. <i>Langmuir</i> , 2010, 26, 11503-11511.	3.5	89
57	Tight inclusion complexation of 2,7-dimethyldiazapyrenium in cucurbit[7]uril. <i>New Journal of Chemistry</i> , 2005, 29, 280.	2.8	88
58	Photoactivatable synthetic fluorophores. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14840.	2.8	87
59	Simple molecular-level machines. Interchange between different threads in pseudorotaxanes. <i>New Journal of Chemistry</i> , 1998, 22, 1061-1065.	2.8	86
60	Self-Assembly of Functionalized [2]Catenanes Bearing a Reactive Functional Group on either One or Both Macrocyclic Components From Monomeric [2]Catenanes to Polycatenanes. <i>Macromolecules</i> , 1998, 31, 295-307.	4.8	79
61	Dual-Mode Co-Conformational Switching in Catenanes Incorporating Bipyridinium and Dialkylammonium Recognition Sites <i>Molecular Meccano</i> , 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, <i>Eur. J. Org. Chem.</i> 2001, 957-965. <i>Chemistry - A European Journal</i> , 2001, 7, 3482.	3.3	79
62	Second-Sphere Coordination. <i>Chemische Berichte</i> , 1996, 129, 981-990.	0.2	75
63	Photoinduced proton exchange between molecular switches. <i>Tetrahedron</i> , 2004, 60, 10973-10981.	1.9	74
64	Fast and Stable Photochromic Oxazines for Fluorescence Switching. <i>Langmuir</i> , 2011, 27, 11773-11783.	3.5	73
65	Photoactivatable BODIPYs Designed To Monitor the Dynamics of Supramolecular Nanocarriers. <i>Journal of the American Chemical Society</i> , 2015, 137, 4709-4719.	13.7	72
66	Far-Red Photoactivatable BODIPYs for the Super-Resolution Imaging of Live Cells. <i>Journal of the American Chemical Society</i> , 2018, 140, 12741-12745.	13.7	71
67	An all-photonic full color RGB system based on molecular photoswitches. <i>Nature Communications</i> , 2019, 10, 3996.	12.8	70
68	Origins of Selectivity in Molecular and Supramolecular Entities: A Solvent and Electrostatic Control of the Translational Isomerism in [2]Catenanes. <i>Journal of Organic Chemistry</i> , 1998, 63, 6523-6528.	3.2	68
69	Fluorescence Modulation in Polymer Bilayers Containing Fluorescent and Photochromic Dopants. <i>Advanced Functional Materials</i> , 2005, 15, 787-794.	14.9	67
70	A Switch in a Cage with a Memory. <i>Organic Letters</i> , 2003, 5, 3559-3562.	4.6	65
71	Molecular Mechanism of Polyacrylate Helix Sense Switching across Its Free Energy Landscape. <i>Journal of the American Chemical Society</i> , 2013, 135, 5509-5512.	13.7	65
72	Bichromophoric Photochromes Based on the Opening and Closing of a Single Oxazine Ring. <i>Journal of Organic Chemistry</i> , 2008, 73, 118-126.	3.2	64

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73	Photoactivatable Synthetic Dyes for Fluorescence Imaging at the Nanoscale. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 2379-2385.	4.6	64
74	Aggregation of self-assembling branched [n]rotaxanes. <i>New Journal of Chemistry</i> , 1998, 22, 959-972.	2.8	62
75	Anthracene-Containing [2]Rotaxanes: Synthesis, Spectroscopic, and Electrochemical Properties. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 591-602.	2.4	62
76	Fluorescence Switching with a Photochromic Auxochrome. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 3506-3509.	4.6	62
77	Synthesis and Properties of Benzophenone- π -Spiropyran and Naphthalene- π -Spiropyran Conjugates. <i>Journal of Organic Chemistry</i> , 2007, 72, 595-605.	3.2	61
78	Emission color tuning and white-light generation based on photochromic control of energy transfer reactions in polymer micelles. <i>Chemical Science</i> , 2016, 7, 5867-5871.	7.4	61
79	Pseudorotaxanes and Catenanes Containing a Redox-Active Unit Derived from Tetrathiafulvalene. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 985-994.	2.4	56
80	A Poly(bis[2]catenane) Containing a Combination of Covalent, Mechanical, and Coordinative Bonds. <i>Advanced Materials</i> , 1998, 10, 1366-1369.	21.0	55
81	Substituent Effects on the Photochromism of Bichromophoric Oxazines. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8491-8497.	3.1	53
82	Main-Chain and Pendant Poly([2]catenane)s Incorporating Complementary π -Electron-Rich and -Deficient Components. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 2109-2117.	2.4	52
83	Synthesis of Oligosaccharide Dendrimers. <i>Chemistry - A European Journal</i> , 1998, 4, 1244-1254.	3.3	51
84	Photoinduced Fluorescence Activation and Nitric Oxide Release with Biocompatible Polymer Nanoparticles. <i>Chemistry - A European Journal</i> , 2012, 18, 15782-15787.	3.3	51
85	Photoinduced Enhancement in the Luminescence of Hydrophilic Quantum Dots Coated with Photocleavable Ligands. <i>Journal of the American Chemical Society</i> , 2012, 134, 2276-2283.	13.7	51
86	Luminescence Modulation with Semiconductor Quantum Dots and Photochromic Ligands. <i>Australian Journal of Chemistry</i> , 2006, 59, 175.	0.9	50
87	Optical control of quantum dot luminescence via photoisomerization of a surface-coordinated, cationic dithienylethene. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 249.	2.9	50
88	Photoswitchable Fluorescent Dyads Incorporating BODIPY and [1,3]Oxazine Components. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11567-11575.	2.5	50
89	Predicting the Switchable Screw Sense in Fluorene-Based Polymers. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2688-2692.	13.8	48
90	Ubiquitin binds the amyloid β peptide and interferes with its clearance pathways. <i>Chemical Science</i> , 2019, 10, 2732-2742.	7.4	46

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91	Self-Assembling Cyclophanes and Catenanes Possessing Elements of Planar Chirality. <i>Chemistry - A European Journal</i> , 1998, 4, 299-310.	3.3	45
92	Structural and Size Effects on the Spectroscopic and Redox Properties of CdSe Nanocrystals in Solution: The Role of Defect States. <i>ChemPhysChem</i> , 2011, 12, 2280-2288.	2.1	45
93	Structure-Reactivity Relationship in Interlocked Molecular Compounds and in Their Supramolecular Model Complexes. <i>Journal of the American Chemical Society</i> , 1997, 119, 2614-2627.	13.7	44
94	Saving paper with switchable ink. <i>Dyes and Pigments</i> , 2014, 106, 71-73.	3.7	44
95	Detection of nitroaromatic explosives by a 3D hyperbranched β -cyclodextrin conjugated polymer based on a POSS scaffold. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14343-14354.	10.3	44
96	Nanoparticle-induced transition from positive to negative photochromism. <i>Inorganica Chimica Acta</i> , 2007, 360, 938-944.	2.4	43
97	Copper(II) complexes with chicken prion repeats: influence of proline and tyrosine residues on the coordination features. <i>Journal of Biological Inorganic Chemistry</i> , 2005, 10, 463-475.	2.6	42
98	Electron and energy transfer mechanisms to switch the luminescence of semiconductor quantum dots. <i>Journal of Materials Chemistry</i> , 2008, 18, 5577.	6.7	42
99	Fast Fluorescence Photoswitching in a BODIPY-Oxazine Dyad with Excellent Fatigue Resistance. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1690-1693.	4.6	42
100	Self-Complementary [2]Catenanes and Their Related [3]Catenanes. <i>Chemistry - A European Journal</i> , 2000, 6, 2262-2273.	3.3	41
101	Tetrathiafulvalenenaphthalenophanes: Planar Chirality and cis/trans Photoisomerization. <i>Journal of Organic Chemistry</i> , 2000, 65, 4120-4126.	3.2	40
102	Intermolecular Coupling of Motion under Photochemical Control. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5249-5251.	13.8	40
103	Structural Implications on the Electrochemical and Spectroscopic Signature of CdSe-ZnS Core-Shell Quantum Dots. <i>Journal of Physical Chemistry C</i> , 2010, 114, 7007-7013.	3.1	40
104	Ratiometric temperature sensing with fluorescent thermochromic switches. <i>Chemical Communications</i> , 2019, 55, 1112-1115.	4.1	40
105	Optically Transparent, Ultrathin Pt Films as Versatile Metal Substrates for Molecular Optoelectronics. <i>Advanced Functional Materials</i> , 2006, 16, 1425-1432.	14.9	39
106	A Photochromic Bioconjugate with Photoactivatable Fluorescence for Superresolution Imaging. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12860-12870.	3.1	39
107	Diastereoselective Self-Assembly of [2]Catenanes. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 995-1004.	2.4	38
108	Template-Directed Syntheses, Spectroscopic Properties, and Electrochemical Behavior of [n]Catenanes. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 1121-1130.	2.4	38

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109	Intracellular Guest Exchange between Dynamic Supramolecular Hosts. <i>Journal of the American Chemical Society</i> , 2014, 136, 7907-7913.	13.7	38
110	Facile fabrication of AIE/AIEE-active fluorescent nanoparticles based on barbituric for cell imaging applications. <i>RSC Advances</i> , 2017, 7, 30229-30241.	3.6	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. <i>Journal of Organic Chemistry</i> , 1995, 60, 5174-5179.	3.2	37
112	Template-Directed Syntheses of Catenanes. <i>Collection of Czechoslovak Chemical Communications</i> , 1997, 62, 527-557.	1.0	37
113	Fluorescence activation with switchable oxazines. <i>Chemical Communications</i> , 2018, 54, 8799-8809.	4.1	37
114	Structural designs for ratiometric temperature sensing with organic fluorophores. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5333-5342.	5.5	37
115	Fluorescent Diazapyrenium Films and Their Response to Dopamine. <i>Langmuir</i> , 2005, 21, 5795-5802.	3.5	36
116	Formation of insulin fragments by insulinâ€degrading enzyme: the role of zinc(II) and cystine bridges. <i>Journal of Mass Spectrometry</i> , 2013, 48, 135-140.	1.6	36
117	Photochemical Barcodes. <i>Journal of the American Chemical Society</i> , 2018, 140, 4485-4488.	13.7	36
118	The Electrochemically-Driven Decomplexation/Recomplexation of Inclusion Adducts of Ferrocene Derivatives with an Electron-Accepting Receptorâ€. <i>Journal of Organic Chemistry</i> , 2000, 65, 1947-1956.	3.2	35
119	Anti-proliferative and anti-cancer properties of <i>Achyranthes aspera</i> : Specific inhibitory activity against pancreatic cancer cells. <i>Journal of Ethnopharmacology</i> , 2010, 131, 78-82.	4.1	35
120	Fast Fluorescence Switching within Hydrophilic Supramolecular Assemblies. <i>Chemistry - A European Journal</i> , 2012, 18, 10399-10407.	3.3	35
121	Template-Directed Synthesis of a Rotacatenane. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 1295-1302.	2.4	34
122	Amplification of the Coloration Efficiency of Photochromic Oxazines. <i>Advanced Materials</i> , 2008, 20, 832-835.	21.0	34
123	A new family of photochromic compounds based on the photoinduced opening and thermal closing of [1,3]oxazine rings. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 200, 44-49.	3.9	34
124	Photochromic Oxazines with Extended Conjugation. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 4333-4339.	2.4	34
125	Molecular Meccano, 48 Probing Co-Conformational Changes in Chiral [2]Rotaxanes by ¹ H-NMR Spectroscopy. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 899-908.	2.4	33
126	Supramolecular Association of Dopamine with Immobilized Fluorescent Probes. <i>Organic Letters</i> , 2002, 4, 3183-3185.	4.6	33

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127	Self-assembly of naphthalene diimides into cylindrical microstructures. <i>Tetrahedron Letters</i> , 2005, 46, 5695-5698.	1.4	33
128	Insights into the isomerization of photochromic oxazines from the excitation dynamics of BODIPY-oxazine dyads. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 10300.	2.8	33
129	Fluorescence Photoactivation by Ligand Exchange around the Boron Center of a BODIPY Chromophore. <i>Organic Letters</i> , 2013, 15, 3154-3157.	4.6	33
130	Self-Assembly of Novel [2]Catenanes and [2]Pseudorotaxanes Incorporating Thiacyclic Crown Ethers or Their Acyclic Analogues. <i>Chemistry - A European Journal</i> , 1997, 3, 772-787.	3.3	32
131	Luminescence quenching in supramolecular assemblies of quantum dots and bipyridinium dications. <i>Journal of Materials Chemistry</i> , 2008, 18, 2022.	6.7	32
132	Effects of Strained Bicyclic Annulation on the Benzene Nucleus: The X-Ray Crystal Structures of a Triphenylene and Two Anthracene Derivatives. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 339-341.	4.4	31
133	Fluorescence Photoactivation by Intermolecular Proton Transfer. <i>Journal of Physical Chemistry A</i> , 2012, 116, 9928-9933.	2.5	31
134	Acid/Base-controlled supramolecular switch. <i>New Journal of Chemistry</i> , 1998, 22, 1131-1134.	2.8	30
135	Self-Assembling Bipyridinium Multilayers. <i>Journal of Physical Chemistry B</i> , 2005, 109, 6164-6173.	2.6	30
136	Photochromic Polymers Based on the Photoinduced Opening and Thermal Closing of [1,3]Oxazine Rings. <i>Advanced Functional Materials</i> , 2009, 19, 3956-3961.	14.9	30
137	Absorption Spectra of 4-Nitrophenolate Ions Measured <i>in Vacuo</i> and in Solution. <i>ChemPhysChem</i> , 2009, 10, 1207-1209.	2.1	29
138	A fluorescent and halochromic indolizine switch. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2744-2747.	5.5	29
139	A Photoactivatable Far-Red/Near-Infrared BODIPY To Monitor Cellular Dynamics <i>in Vivo</i> . <i>ACS Sensors</i> , 2018, 3, 1347-1353.	7.8	29
140	Porphyrin-Containing Glycodendrimers. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 288-294.	2.4	28
141	Electrochemical Switching of Chromogenic Monolayers Self-Assembled on Transparent Platinum Electrodes. <i>Advanced Materials</i> , 2005, 17, 1390-1393.	21.0	28
142	Fluorescence patterning in films of a photoswitchable BODIPY-spiropyran dyad. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11630.	2.8	28
143	Molecular strategies to read and write at the nanoscale with far-field optics. <i>Nanoscale</i> , 2011, 3, 59-70.	5.6	28
144	Plasmonic Activation of a Fluorescent Carbazole-Oxazine Switch. <i>Chemistry - A European Journal</i> , 2014, 20, 10276-10284.	3.3	28

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145	Bioimaging with Macromolecular Probes Incorporating Multiple BODIPY Fluorophores. <i>Bioconjugate Chemistry</i> , 2017, 28, 1519-1528.	3.6	28
146	Copper(II) complexes with an avian prion N-terminal region and their potential SOD-like activity. <i>Journal of Inorganic Biochemistry</i> , 2009, 103, 195-204.	3.5	27
147	Zinc(II) Interactions with Brain-Derived Neurotrophic Factor N-Terminal Peptide Fragments: Inorganic Features and Biological Perspectives. <i>Inorganic Chemistry</i> , 2013, 52, 11075-11083.	4.0	27
148	Reversible Disassembly/Assembly of Octa Acid Guest Capsule in Water Triggered by a Photochromic Process. <i>Organic Letters</i> , 2016, 18, 1566-1569.	4.6	27
149	Autocatalytic Fluorescence Photoactivation. <i>Journal of the American Chemical Society</i> , 2014, 136, 13798-13804.	13.7	26
150	A chirality-based metrics for free energy calculations in biomolecular systems. <i>Journal of Computational Chemistry</i> , 2011, 32, 2627-2637.	3.3	25
151	A Photoswitchable Fluorophore for the Real-Time Monitoring of Dynamic Events in Living Organisms. <i>Chemistry - A European Journal</i> , 2016, 22, 15027-15034.	3.3	25
152	The Copper(II)-Assisted Connection between NGF and BDNF by Means of Nerve Growth Factor-Mimicking Short Peptides. <i>Cells</i> , 2019, 8, 301.	4.1	25
153	Chiroptical Switching Based on Photoinduced Proton Transfer between Homopolymers Bearing Side-Chain Spiropyran and Azopyridine Moieties. <i>Macromolecular Chemistry and Physics</i> , 2008, 209, 2049-2060.	2.2	24
154	Microwave-assisted synthesis of symmetric and asymmetric viologens. <i>Tetrahedron Letters</i> , 2010, 51, 5618-5620.	1.4	24
155	Redox properties of CdSe and CdSe/ZnS quantum dots in solution. <i>Pure and Applied Chemistry</i> , 2010, 83, 1-8.	1.9	24
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