

# Françisco M Raymo

## List of Publications by Year in descending order

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244  
papers

20,537  
citations

14644

66  
h-index

11047

137  
g-index

250  
all docs

250  
docs citations

250  
times ranked

13707  
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular Association of Halochromic Switches and Halloysite Nanotubes in Fluorescent Nanoprobes for Tumor Detection. <i>ACS Applied Nano Materials</i> , 2022, 5, 13729-13736.	2.4	7
2	Fluorescence Switching for Temperature Sensing in Water. <i>Journal of the American Chemical Society</i> , 2022, 144, 4759-4763.	6.6	24
3	Nanocarrier based on halloysite and fluorescent probe for intracellular delivery of peptide nucleic acids. <i>Journal of Colloid and Interface Science</i> , 2022, 620, 221-233.	5.0	15
4	Photo racemization of 2,2'-dihydroxy-1,1'-binaphthyl derivatives. <i>Chirality</i> , 2022, 34, 317-324.	1.3	5
5	Blue circularly polarized luminescent amorphous molecules with single-handed propeller chirality induced by circularly polarized light irradiation. <i>Chemical Communications</i> , 2021, 57, 1794-1797.	2.2	10
6	Switchable Coumarins for Ratiometric pH Sensing. <i>Frontiers in Materials</i> , 2021, 8, .	1.2	1
7	Multi-replica biased sampling for photoswitchable $\pi$ -conjugated polymers. <i>Journal of Chemical Physics</i> , 2021, 154, 174108.	1.2	6
8	Metal ion coordination in peptide fragments of neurotrophins: A crucial step for understanding the role and signaling of these proteins in the brain. <i>Coordination Chemistry Reviews</i> , 2021, 435, 213790.	9.5	11
9	BODIPYs with Photoactivatable Fluorescence. <i>Chemistry - A European Journal</i> , 2021, 27, 11257-11267.	1.7	20
10	Frontispiece: BODIPYs with Photoactivatable Fluorescence. <i>Chemistry - A European Journal</i> , 2021, 27, .	1.7	0
11	Shape factors in the binding of soft fluorescent nanoshuttles with target receptors. <i>Molecular Systems Design and Engineering</i> , 2021, 6, 281-285.	1.7	0
12	Large polarization of push-pull $\pi$ -conjugated cruciforms via coordination with lanthanide ions. <i>New Journal of Chemistry</i> , 2021, 46, 221-227.	1.4	5
13	Pyrazolones Activate the Proteasome by Gating Mechanisms and Protect Neuronal Cells from $\beta$ -Amyloid Toxicity. <i>ChemMedChem</i> , 2020, 15, 302-316.	1.6	15
14	Far-red photoactivatable BODIPYs for the super-resolution imaging of live cells. <i>Methods in Enzymology</i> , 2020, 640, 131-147.	0.4	1
15	Learning how planarization can affect dichroic patterns in polyfluorenes. <i>Chirality</i> , 2020, 32, 661-666.	1.3	4
16	Live-Cell Imaging at the Nanoscale with Bioconjugatable and Photoactivatable Fluorophores. <i>Bioconjugate Chemistry</i> , 2020, 31, 1052-1062.	1.8	14
17	A Synthetic Strategy for the Structural Modification of Photoactivatable BODIPY-Oxazine Dyads. <i>ChemPhotoChem</i> , 2020, 4, 332-337.	1.5	5
18	Synergistic Approach of Ultrafast Spectroscopy and Molecular Simulations in the Characterization of Intramolecular Charge Transfer in Push-Pull Molecules. <i>Molecules</i> , 2020, 25, 430.	1.7	24

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19	Compact, "Clickable" Quantum Dots Photoligated with Multifunctional Zwitterionic Polymers for Immunofluorescence and <i>In Vivo</i> Imaging. <i>Bioconjugate Chemistry</i> , 2020, 31, 1497-1509.	1.8	19
20	Photoactivatable fluorophores for single-molecule localization microscopy of live cells. <i>Methods and Applications in Fluorescence</i> , 2020, 8, 032002.	1.1	15
21	Molecular Simulations of Biological Nanoswitches. , 2020, , 1-5.		1
22	High-Throughput Single-Molecule Spectroscopy Resolves the Conformational Isomers of BODIPY Chromophores. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6807-6812.	2.1	13
23	An all-photonic full color RGB system based on molecular photoswitches. <i>Nature Communications</i> , 2019, 10, 3996.	5.8	70
24	Photopotential of the GABA <sub>A</sub> receptor with caged diazepam. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21176-21184.	3.3	10
25	Ratiometric temperature sensing with fluorescent thermochromic switches. <i>Chemical Communications</i> , 2019, 55, 1112-1115.	2.2	40
26	Ubiquitin binds the amyloid $\beta$ peptide and interferes with its clearance pathways. <i>Chemical Science</i> , 2019, 10, 2732-2742.	3.7	46
27	Structural designs for ratiometric temperature sensing with organic fluorophores. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5333-5342.	2.7	37
28	The Copper(II)-Assisted Connection between NGF and BDNF by Means of Nerve Growth Factor-Mimicking Short Peptides. <i>Cells</i> , 2019, 8, 301.	1.8	25
29	The curious case of opossum prion: a physicochemical study on copper(II) binding to the bis-decapeptide fragment from the protein N-terminal domain. <i>Dalton Transactions</i> , 2019, 48, 17533-17543.	1.6	4
30	Photochemical Barcodes. <i>Journal of the American Chemical Society</i> , 2018, 140, 4485-4488.	6.6	36
31	Far-Red Photoactivatable BODIPYs for the Super-Resolution Imaging of Live Cells. <i>Journal of the American Chemical Society</i> , 2018, 140, 12741-12745.	6.6	71
32	A Versatile Computational Strategy To Characterize the Free-Energy Landscape of Excited States in Oligofluorenes. <i>Journal of Chemical Theory and Computation</i> , 2018, 14, 5441-5445.	2.3	12
33	Temperature-dependent UV absorption of biphenyl based on intra-molecular rotation investigated within a combined experimental and TD-DFT approach. <i>Liquid Crystals</i> , 2018, 45, 2048-2053.	0.9	13
34	A Photoactivatable Far-Red/Near-Infrared BODIPY To Monitor Cellular Dynamics in Vivo. <i>ACS Sensors</i> , 2018, 3, 1347-1353.	4.0	29
35	Fluorescence activation with switchable oxazines. <i>Chemical Communications</i> , 2018, 54, 8799-8809.	2.2	37
36	Bright and compact macromolecular probes for bioimaging applications. , 2018, , .		0

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37	Fluorescence patterning with mild illumination in polymer films of photocleavable oxazines. <i>Journal of Materials Chemistry C</i> , 2017, 5, 1179-1183.	2.7	11
38	Bioimaging with Macromolecular Probes Incorporating Multiple BODIPY Fluorophores. <i>Bioconjugate Chemistry</i> , 2017, 28, 1519-1528.	1.8	28
39	Structural implications on the excitation dynamics of fluorescent 3H-indolium cations. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 11904-11913.	1.3	10
40	Detection of nitroaromatic explosives by a 3D hyperbranched $\beta$ -cyclodextrin conjugated polymer based on a POSS scaffold. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14343-14354.	5.2	44
41	Facile fabrication of AIE/AIEE-active fluorescent nanoparticles based on barbituric for cell imaging applications. <i>RSC Advances</i> , 2017, 7, 30229-30241.	1.7	38
42	Free-energy predictions and absorption spectra calculations for supramolecular nanocarriers and their photoactive cargo. <i>Nanoscale</i> , 2017, 9, 4989-4994.	2.8	11
43	Highlighting Cancer Cells with Halochromic Switches. <i>ACS Sensors</i> , 2017, 2, 92-101.	4.0	20
44	The integration of triggered drug delivery with real time quantification using FRET; creating a super smart drug delivery system. <i>Journal of Controlled Release</i> , 2017, 264, 136-144.	4.8	16
45	Fluorescence activation with the plasmonic assistance of silver nanoparticles. <i>Inorganica Chimica Acta</i> , 2017, 468, 82-90.	1.2	0
46	A photoactivatable light tracer. <i>Journal of Materials Chemistry C</i> , 2017, 5, 12714-12719.	2.7	11
47	From Peptide Fragments to Whole Protein: Copper(II) Load and Coordination Features of IAPP. <i>Chemistry - A European Journal</i> , 2017, 23, 17898-17902.	1.7	10
48	A pH-Gated Photocage. <i>Advanced Optical Materials</i> , 2016, 4, 1363-1366.	3.6	4
49	Semiconductor Quantum Dots with Photoresponsive Ligands. <i>Topics in Current Chemistry</i> , 2016, 374, 73.	3.0	10
50	Structural Implications on the Properties of Self-Assembling Supramolecular Hosts for Fluorescent Guests. <i>Langmuir</i> , 2016, 32, 8676-8687.	1.6	10
51	A Photoswitchable Fluorophore for the Real-Time Monitoring of Dynamic Events in Living Organisms. <i>Chemistry - A European Journal</i> , 2016, 22, 15027-15034.	1.7	25
52	Supramolecular delivery of fluorescent probes in developing embryos. <i>RSC Advances</i> , 2016, 6, 72756-72760.	1.7	7
53	Tuning the Activation Wavelength of Photochromic Oxazines. <i>ChemPhysChem</i> , 2016, 17, 1852-1859.	1.0	4
54	A Photochromic Bioconjugate with Photoactivatable Fluorescence for Superresolution Imaging. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12860-12870.	1.5	39

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55	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.	3.7	61
56	Two-Photon Excitation of a Plasmonic Nanoswitch Monitored by Single-Molecule Fluorescence Microscopy. <i>Chemistry - A European Journal</i> , 2016, 22, 7281-7287.	1.7	15
57	A fluorescent and halochromic indolizine switch. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2744-2747.	2.7	29
58	Reversible Disassembly/Assembly of Octa Acid/Guest Capsule in Water Triggered by a Photochromic Process. <i>Organic Letters</i> , 2016, 18, 1566-1569.	2.4	27
59	Oxazines: A New Class of Second-Order Nonlinear Optical Switches. <i>Journal of the American Chemical Society</i> , 2016, 138, 5052-5062.	6.6	104
60	Synthesis in living cells with the assistance of supramolecular nanocarriers. <i>RSC Advances</i> , 2016, 6, 32441-32445.	1.7	11
61	Self-Assembling Nanoparticles of Amphiphilic Polymers for In Vitro and In Vivo FRET Imaging. <i>Topics in Current Chemistry</i> , 2016, 370, 29-59.	4.0	6
62	Effect of Different Z-Inducers on the Stabilization of Z Portion in BZ-DNA Sequence: Correlation Between Experimental and Simulation Data. <i>Chirality</i> , 2015, 27, 773-778.	1.3	5
63	Predicting the Switchable Screw Sense in Fluorene-Based Polymers. <i>Angewandte Chemie</i> , 2015, 127, 2726-2730.	1.6	10
64	Plasmonic Acceleration of a Photochemical Replicator. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 233-238.	1.3	5
65	Supramolecular nanoreactors for intracellular singlet-oxygen sensitization. <i>Nanoscale</i> , 2015, 7, 14071-14079.	2.8	20
66	Photoactivatable BODIPYs Designed To Monitor the Dynamics of Supramolecular Nanocarriers. <i>Journal of the American Chemical Society</i> , 2015, 137, 4709-4719.	6.6	72
67	Predicting the Switchable Screw Sense in Fluorene-Based Polymers. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2688-2692.	7.2	48
68	A Small Linear Peptide Encompassing the NGF N-Terminus Partly Mimics the Biological Activities of the Entire Neurotrophin in PC12 Cells. <i>ACS Chemical Neuroscience</i> , 2015, 6, 1379-1392.	1.7	20
69	Optical writing and reading with a photoactivatable carbazole. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 11140-11143.	1.3	12
70	Energy-Transfer Schemes To Probe Fluorescent Nanocarriers and Their Emissive Cargo. <i>Langmuir</i> , 2015, 31, 9557-9565.	1.6	18
71	Right-handed 2/1 helical arrangement of benzene molecules in cholic acid crystal established by experimental and theoretical circular dichroism spectroscopy. <i>RSC Advances</i> , 2015, 5, 101110-101114.	1.7	6
72	Bimolecular photoactivation of NBD fluorescence. <i>New Journal of Chemistry</i> , 2015, 39, 1570-1573.	1.4	7

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73	On-the-fly decoding luminescence lifetimes in the microsecond region for lanthanide-encoded suspension arrays. <i>Nature Communications</i> , 2014, 5, 3741.	5.8	135
74	Photoactivatable Anthracenes. <i>Journal of Organic Chemistry</i> , 2014, 79, 3973-3981.	1.7	20
75	Autocatalytic Fluorescence Photoactivation. <i>Journal of the American Chemical Society</i> , 2014, 136, 13798-13804.	6.6	26
76	Plasmonic Activation of a Fluorescent Carbazole-Oxazine Switch. <i>Chemistry - A European Journal</i> , 2014, 20, 10276-10284.	1.7	28
77	Saving paper with switchable ink. <i>Dyes and Pigments</i> , 2014, 106, 71-73.	2.0	44
78	Photoresponsive polymer nanocarriers with multifunctional cargo. <i>Chemical Society Reviews</i> , 2014, 43, 4167-4178.	18.7	114
79	Intracellular Guest Exchange between Dynamic Supramolecular Hosts. <i>Journal of the American Chemical Society</i> , 2014, 136, 7907-7913.	6.6	38
80	Fluorescence Activation with Photochromic Auxochromes. <i>Israel Journal of Chemistry</i> , 2013, 53, 247-255.	1.0	12
81	Superresolution Imaging with Switchable Fluorophores Based on Oxazine Auxochromes. <i>Photochemistry and Photobiology</i> , 2013, 89, 1391-1398.	1.3	21
82	Photoactivatable synthetic fluorophores. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14840.	1.3	87
83	Formation of insulin fragments by insulin-degrading enzyme: the role of zinc(II) and cystine bridges. <i>Journal of Mass Spectrometry</i> , 2013, 48, 135-140.	0.7	36
84	Molecular Mechanism of Polyacrylate Helix Sense Switching across Its Free Energy Landscape. <i>Journal of the American Chemical Society</i> , 2013, 135, 5509-5512.	6.6	65
85	Activation of BODIPY fluorescence by the photoinduced dealkylation of a pyridinium quencher. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 14851.	1.3	21
86	Fluorescence Photoactivation by Ligand Exchange around the Boron Center of a BODIPY Chromophore. <i>Organic Letters</i> , 2013, 15, 3154-3157.	2.4	33
87	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.	1.9	27
88	Guest Editorial: Photochromic Control of Molecular and Macroscopic Properties. <i>Israel Journal of Chemistry</i> , 2013, 53, 235-235.	1.0	3
89	Computational Insights on the Isomerization of Photochromic Oxazines. <i>Journal of Physical Chemistry A</i> , 2012, 116, 11888-11895.	1.1	19
90	Photoinduced Fluorescence Activation and Nitric Oxide Release with Biocompatible Polymer Nanoparticles. <i>Chemistry - A European Journal</i> , 2012, 18, 15782-15787.	1.7	51

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91	Photoactivatable Fluorophores for Super-Resolution Imaging Based on Oxazine Auxochromes. Journal of Physical Chemistry C, 2012, 116, 6058-6068.	1.5	123
92	Fluorescence Photoactivation by Intermolecular Proton Transfer. Journal of Physical Chemistry A, 2012, 116, 9928-9933.	1.1	31
93	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
94	Photoactivatable Synthetic Dyes for Fluorescence Imaging at the Nanoscale. Journal of Physical Chemistry Letters, 2012, 3, 2379-2385.	2.1	64
95	Insights into the isomerization of photochromic oxazines from the excitation dynamics of BODIPY-oxazine dyads. Physical Chemistry Chemical Physics, 2012, 14, 10300.	1.3	33
96	Fast Fluorescence Switching within Hydrophilic Supramolecular Assemblies. Chemistry - A European Journal, 2012, 18, 10399-10407.	1.7	35
97	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
98	Photoactivatable Fluorophores. , 2012, 2012, 1-15.		13
99	Molecular strategies to read and write at the nanoscale with far-field optics. Nanoscale, 2011, 3, 59-70.	2.8	28
100	A photoswitchable bichromophoric oxazine with fast switching speeds and excellent fatigue resistance. Canadian Journal of Chemistry, 2011, 89, 110-116.	0.6	16
101	Supramolecular Strategies To Construct Biocompatible and Photoswitchable Fluorescent Assemblies. Journal of the American Chemical Society, 2011, 133, 871-879.	6.6	141
102	Fast and Stable Photochromic Oxazines for Fluorescence Switching. Langmuir, 2011, 27, 11773-11783.	1.6	73
103	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
104	A chirality-based metrics for free-energy calculations in biomolecular systems. Journal of Computational Chemistry, 2011, 32, 2627-2637.	1.5	25
105	Photochromic Compounds for Fluorescence Nanoscopy. Current Physical Chemistry, 2011, 1, 232-241.	0.1	13
106	Hydrophilic CdSe/ZnS Core/Shell Quantum Dots with Reactive Functional Groups on Their Surface. Langmuir, 2010, 26, 11503-11511.	1.6	89
107	Microwave-assisted synthesis of symmetric and asymmetric viologens. Tetrahedron Letters, 2010, 51, 5618-5620.	0.7	24
108	Structural Implications on the Electrochemical and Spectroscopic Signature of CdSe-ZnS Core/Shell Quantum Dots. Journal of Physical Chemistry C, 2010, 114, 7007-7013.	1.5	40

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109	Fluorescence Switching with a Photochromic Auxochrome. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 3506-3509.	2.1	62
110	Optical control of quantum dot luminescence via photoisomerization of a surface-coordinated, cationic dithienylethene. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 249.	1.6	50
111	Photoswitchable Fluorescent Dyads Incorporating BODIPY and [1,3]Oxazine Components. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11567-11575.	1.1	50
112	Fast Fluorescence Photoswitching in a BODIPY-Oxazine Dyad with Excellent Fatigue Resistance. <i>Journal of Physical Chemistry Letters</i> , 2010, 1, 1690-1693.	2.1	42
113	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.	2.0	35
114	Redox properties of CdSe and CdSe/ZnS quantum dots in solution. <i>Pure and Applied Chemistry</i> , 2010, 83, 1-8.	0.9	24
115	Self-assembling films of chiral bipyridinium bithiols. <i>Journal of Materials Chemistry</i> , 2010, 20, 981-989.	6.7	6
116	Hydrophilic and photochromic switches based on the opening and closing of [1,3]oxazine rings. <i>Photochemical and Photobiological Sciences</i> , 2010, 9, 136-140.	1.6	18
117	Fluorescence patterning in films of a photoswitchable BODIPY-spiropyran dyad. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 11630.	1.3	28
118	Photochromic Polymers Based on the Photoinduced Opening and Thermal Closing of [1,3]Oxazine Rings. <i>Advanced Functional Materials</i> , 2009, 19, 3956-3961.	7.8	30
119	All-Optical Integrated Logic Operations Based on Chemical Communication between Molecular Switches. <i>Chemistry - A European Journal</i> , 2009, 15, 178-185.	1.7	124
120	Conformational Preferences of the Full Chicken Prion Protein in Solution and Its Differences with Respect to Mammals. <i>ChemPhysChem</i> , 2009, 10, 1500-1510.	1.0	8
121	Absorption Spectra of 4-Nitrophenolate Ions Measured in Vacuo and in Solution. <i>ChemPhysChem</i> , 2009, 10, 1207-1209.	1.0	29
122	Inside Cover: Absorption Spectra of 4-Nitrophenolate Ions Measured in Vacuo and in Solution ( <i>ChemPhysChem</i> 8/2009). <i>ChemPhysChem</i> , 2009, 10, 1150-1150.	1.0	0
123	Fluorescent Switches Based on Photochromic Compounds. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2031-2045.	1.2	167
124	Photochromic Oxazines with Extended Conjugation. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 4333-4339.	1.2	34
125	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.	1.5	27
126	Optical and chiroptical switches based on photoinduced photon and proton transfer in copolymers containing spiropyran and azopyridine chromophores in their side chains. <i>Polymer</i> , 2009, 50, 5638-5646.	1.8	17



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127	Biocompatible CdSe/ZnS Core/Shell Quantum Dots Coated with Hydrophilic Polythiols. <i>Langmuir</i> , 2009, 25, 7090-7096.	1.6	95
128	Substituent Effects on the Photochromism of Bichromophoric Oxazines. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8491-8497.	1.5	53
129	Fluorescence modulation with photochromic switches in nanostructured constructs. <i>Chemical Society Reviews</i> , 2009, 38, 1859.	18.7	318
130	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.	1.1	24
131	Amplification of the Coloration Efficiency of Photochromic Oxazines. <i>Advanced Materials</i> , 2008, 20, 832-835.	11.1	34
132	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.	2.0	34
133	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
134	Dithiolane ligands for semiconductor quantum dots. <i>Journal of Materials Chemistry</i> , 2008, 18, 3940.	6.7	12
135	Luminescence quenching in supramolecular assemblies of quantum dots and bipyridinium dications. <i>Journal of Materials Chemistry</i> , 2008, 18, 2022.	6.7	32
136	Photoswitchable Fluorescent Assemblies Based on Hydrophilic BODIPY-Spiropyran Conjugates. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8038-8045.	1.5	113
137	Bichromophoric Photochromes Based on the Opening and Closing of a Single Oxazine Ring. <i>Journal of Organic Chemistry</i> , 2008, 73, 118-126.	1.7	64
138	Oxidation of Aqueous EDTA and Associated Organics and Coprecipitation of Inorganics by Ambient Iron-Mediated Aeration. <i>Environmental Science &amp; Technology</i> , 2007, 41, 270-276.	4.6	101
139	A Simple Molecular Machine Operated by Photoinduced Proton Transfer. <i>Journal of the American Chemical Society</i> , 2007, 129, 13378-13379.	6.6	195
140	Synthesis and Properties of Benzophenone-Spiropyran and Naphthalene-Spiropyran Conjugates. <i>Journal of Organic Chemistry</i> , 2007, 72, 595-605.	1.7	61
141	Luminescent chemosensors based on semiconductor quantum dots. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 2036.	1.3	112
142	Electroactive Films of Multicomponent Building Blocks. <i>Advanced Functional Materials</i> , 2007, 17, 814-820.	7.8	10
143	Nanoparticle-induced transition from positive to negative photochromism. <i>Inorganica Chimica Acta</i> , 2007, 360, 938-944.	1.2	43
144	Photochromic nanocomposites of bipyridinium dications and semiconductor quantum dots. <i>Journal of Materials Chemistry</i> , 2006, 16, 1118.	6.7	17

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145	A multistate ensemble of molecular switches. <i>New Journal of Chemistry</i> , 2006, 30, 515.	1.4	5
146	Self-assembling and electrochromic films of bipyridinium building blocks. <i>Journal of Materials Chemistry</i> , 2006, 16, 3171.	6.7	13
147	pH-Sensitive Quantum Dots. <i>Journal of Physical Chemistry B</i> , 2006, 110, 3853-3855.	1.2	162
148	Luminescence Modulation with Semiconductor Quantum Dots and Photochromic Ligands. <i>Australian Journal of Chemistry</i> , 2006, 59, 175.	0.5	50
149	Chromogenic Oxazines for Cyanide Detection. <i>Journal of Organic Chemistry</i> , 2006, 71, 744-753.	1.7	265
150	A simple atomic force microscopy method for the visualization of polar and non-polar parts in thin organic films. <i>Journal of Experimental Nanoscience</i> , 2006, 1, 63-73.	1.3	2
151	pH-Sensitive Ligand for Luminescent Quantum Dots. <i>Langmuir</i> , 2006, 22, 10284-10290.	1.6	118
152	Optical Processing with Photochromic Switches. <i>Chemistry - A European Journal</i> , 2006, 12, 3186-3193.	1.7	181
153	Intermolecular Coupling of Motion under Photochemical Control. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 5249-5251.	7.2	40
154	Optically Transparent, Ultrathin Pt Films as Versatile Metal Substrates for Molecular Optoelectronics. <i>Advanced Functional Materials</i> , 2006, 16, 1425-1432.	7.8	39
155	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.	3.3	141
156	Self-assembly of naphthalene diimides into cylindrical microstructures. <i>Tetrahedron Letters</i> , 2005, 46, 5695-5698.	0.7	33
157	A Fast and Stable Photochromic Switch Based on the Opening and Closing of an Oxazine Ring. <i>Organic Letters</i> , 2005, 7, 1109-1112.	2.4	117
158	Fluorescence Modulation in Polymer Bilayers Containing Fluorescent and Photochromic Dopants. <i>Advanced Functional Materials</i> , 2005, 15, 787-794.	7.8	67
159	Electrochemical Switching of Chromogenic Monolayers Self-Assembled on Transparent Platinum Electrodes. <i>Advanced Materials</i> , 2005, 17, 1390-1393.	11.1	28
160	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.	1.7	175
161	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.	1.1	42
162	Tight inclusion complexation of 2,7-dimethyldiazapyrenium in cucurbit[7]uril. <i>New Journal of Chemistry</i> , 2005, 29, 280.	1.4	88

#	ARTICLE	IF	CITATIONS
163	Optical writing and reading with bilayer assemblies of photosensitive and fluorescent films. <i>Journal of Materials Chemistry</i> , 2005, 15, 4354.	6.7	18
164	Self-Assembling Bipyridinium Multilayers. <i>Journal of Physical Chemistry B</i> , 2005, 109, 6164-6173.	1.2	30
165	Fluorescent Diazapyrenium Films and Their Response to Dopamine. <i>Langmuir</i> , 2005, 21, 5795-5802.	1.6	36
166	Fast and Stable Photochromic Oxazines. <i>Journal of Organic Chemistry</i> , 2005, 70, 8180-8189.	1.7	132
167	Fluorescence Modulation with Photochromic Switches. <i>Journal of Physical Chemistry A</i> , 2005, 109, 7343-7352.	1.1	191
168	Colorimetric Detection of Cyanide with a Chromogenic Oxazine. <i>Organic Letters</i> , 2005, 7, 4633-4636.	2.4	229
169	Electron and energy transfer modulation with photochromic switches. <i>Chemical Society Reviews</i> , 2005, 34, 327.	18.7	552
170	Electron transport in bipyridinium films. <i>Chemical Record</i> , 2004, 4, 204-218.	2.9	15
171	Photoinduced proton exchange between molecular switches. <i>Tetrahedron</i> , 2004, 60, 10973-10981.	1.0	74
172	Donor/Acceptor Interactions in Self-Assembled Monolayers and Their Consequences on Interfacial Electron Transfer. <i>Journal of Physical Chemistry B</i> , 2004, 108, 19307-19313.	1.2	21
173	Electron Transport in Self-Assembled Bipyridinium Multilayers. <i>Journal of Physical Chemistry B</i> , 2004, 108, 8622-8625.	1.2	22
174	Porphyrin-Containing Glycodendrimers. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 288-294.	1.2	28
175	Memory Effects Based on Intermolecular Photoinduced Proton Transfer. <i>Journal of the American Chemical Society</i> , 2003, 125, 2361-2364.	6.6	190
176	A Switch in a Cage with a Memory. <i>Organic Letters</i> , 2003, 5, 3559-3562.	2.4	65
177	Digital Processing with a Three-State Molecular Switch. <i>Journal of Organic Chemistry</i> , 2003, 68, 4158-4169.	1.7	196
178	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.	3.3	193
179	Supramolecular Association of Dopamine with Immobilized Fluorescent Probes. <i>Organic Letters</i> , 2002, 4, 3183-3185.	2.4	33
180	Multichannel Digital Transmission in an Optical Network of Communicating Molecules. <i>Journal of the American Chemical Society</i> , 2002, 124, 2004-2007.	6.6	168

#	ARTICLE	IF	CITATIONS
181	Ferrocene-Containing Carbohydrate Dendrimers. <i>Chemistry - A European Journal</i> , 2002, 8, 673-684.	1.7	110
182	Digital Processing and Communication with Molecular Switches. <i>Advanced Materials</i> , 2002, 14, 401-414.	11.1	639
183	Electroactive films incorporating 4,4'-Bipyridinium building blocks. <i>Journal of Supramolecular Chemistry</i> , 2002, 2, 63-77.	0.4	9
184	Signal Processing at the Molecular Level. <i>Journal of the American Chemical Society</i> , 2001, 123, 4651-4652.	6.6	377
185	Digital Communication through Intermolecular Fluorescence Modulation. <i>Organic Letters</i> , 2001, 3, 1833-1836.	2.4	92
186	Signal Communication between Molecular Switches. <i>Organic Letters</i> , 2001, 3, 3475-3478.	2.4	110
187	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.	6.6	218
188	Azopyridinium-Containing [2]Pseudorotaxanes and Hydrazopyridinium-Containing [2]Catenanes. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 957-965.	1.2	21
189	Dual-Mode Co-Conformational 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, <i>Eur. J. Org. Chem.</i> 2001, 957-965. <i>Chemistry - A European Journal</i> , 2001, 7, 3482.	1.7	79
190	The balance between electronic and steric effects in the template-directed syntheses of [2]catenanes. <i>Tetrahedron</i> , 2001, 57, 3799-3808.	1.0	22
191	Anthracene-Containing [2]Rotaxanes: Synthesis, Spectroscopic, and Electrochemical Properties. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 591-602.	1.2	62
192	Self-Complementary [2]Catenanes and Their Related [3]Catenanes. <i>Chemistry - A European Journal</i> , 2000, 6, 2262-2273.	1.7	41
193	Artificial Molecular Machines. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3348-3391.	7.2	2,309
194	Current/Voltage Characteristics of Monolayers of Redox-Switchable [2]Catenanes on Gold. <i>Advanced Materials</i> , 2000, 12, 1099-1102.	11.1	127
195	Template-Directed Syntheses, Spectroscopic Properties, and Electrochemical Behavior of [n]Catenanes. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 1121-1130.	1.2	38
196	Constructing Molecular Machinery: A Chemically-Switchable [2]Catenane. <i>Journal of the American Chemical Society</i> , 2000, 122, 3542-3543.	6.6	130
197	A [2]Catenane-Based Solid State Electronically Reconfigurable Switch. <i>Science</i> , 2000, 289, 1172-1175.	6.0	1,326
198	Switching of Pseudorotaxanes and Catenanes Incorporating a Tetrathiafulvalene Unit by Redox and Chemical Inputs. <i>Journal of Organic Chemistry</i> , 2000, 65, 1924-1936.	1.7	251

#	ARTICLE	IF	CITATIONS
199	The Electrochemically-Driven Decomplexation/Recomplexation of Inclusion Adducts of Ferrocene Derivatives with an Electron-Accepting Receptor. <i>Journal of Organic Chemistry</i> , 2000, 65, 1947-1956.	1.7	35
200	Tetrathiafulvalenenaphthalenophanes: Planar Chirality and cis/trans Photoisomerization. <i>Journal of Organic Chemistry</i> , 2000, 65, 4120-4126.	1.7	40
201	Fabrication and Transport Properties of Single-Molecule-Thick Electrochemical Junctions. <i>Journal of the American Chemical Society</i> , 2000, 122, 5831-5840.	6.6	167
202	A Simple and Efficient Method for the Preparation of 1-Benzyloxy-5-hydroxynaphthalene. <i>Synlett</i> , 1999, 1999, 330-332.	1.0	12
203	Molecular Meccano, 48 Probing Co-Conformational Changes in Chiral [2]Rotaxanes by <sup>1</sup> H-NMR Spectroscopy. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 899-908.	1.2	33
204	Pseudorotaxanes and Catenanes Containing a Redox-Active Unit Derived from Tetrathiafulvalene. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 985-994.	1.2	56
205	Diastereoselective Self-Assembly of [2]Catenanes. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 995-1004.	1.2	38
206	Template-Directed Synthesis of a Rotacatenane. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 1295-1302.	1.2	34
207	Photoactive Azobenzene-Containing Supramolecular Complexes and Related Interlocked Molecular Compounds. <i>Chemistry - A European Journal</i> , 1999, 5, 860-875.	1.7	99
208	Interlocked Macromolecules. <i>Chemical Reviews</i> , 1999, 99, 1643-1664.	23.0	714
209	Electronically Configurable Molecular-Based Logic Gates. <i>Science</i> , 1999, 285, 391-394.	6.0	1,474
210	A Three-Pole Supramolecular Switch. <i>Journal of the American Chemical Society</i> , 1999, 121, 3951-3957.	6.6	275
211	[C <sup>+</sup> H <sup>-</sup> ⋯O] Interactions as a Control Element in Supramolecular Complexes: 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.	6.6	199
212	Rotaxane or Pseudorotaxane? That Is the Question! <i>Journal of the American Chemical Society</i> , 1998, 120, 2297-2307.	6.6	292
213	A Poly(bis[2]catenane) Containing a Combination of Covalent, Mechanical, and Coordinative Bonds. <i>Advanced Materials</i> , 1998, 10, 1366-1369.	11.1	55
214	Main-Chain and Pendant Poly([2]catenane)s Incorporating Complementary $\pi$ -Electron-Rich and -Deficient Components. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 2109-2117.	1.2	52
215	Self-Assembling Cyclophanes and Catenanes Possessing Elements of Planar Chirality. <i>Chemistry - A European Journal</i> , 1998, 4, 299-310.	1.7	45
216	Synthesis of Oligosaccharide Dendrimers. <i>Chemistry - A European Journal</i> , 1998, 4, 1244-1254.	1.7	51

#	ARTICLE	IF	CITATIONS
217	Noncovalent synthesis of donor/acceptor stacks. <i>Tetrahedron Letters</i> , 1998, 39, 5155-5158.	0.7	5
218	Self-assembling supermolecules and supramolecular arrays based on metal coordination. <i>Current Opinion in Colloid and Interface Science</i> , 1998, 3, 150-159.	3.4	20
219	Aggregation of self-assembling branched [n]rotaxanes. <i>New Journal of Chemistry</i> , 1998, 22, 959-972.	1.4	62
220	Simple molecular-level machines. Interchange between different threads in pseudorotaxanes. <i>New Journal of Chemistry</i> , 1998, 22, 1061-1065.	1.4	86
221	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.	6.6	149
222	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.	2.2	79
223	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.	1.7	68
224	Acid/Base-controlled supramolecular switch. <i>New Journal of Chemistry</i> , 1998, 22, 1131-1134.	1.4	30
225	Template-Directed Syntheses of Catenanes. <i>Collection of Czechoslovak Chemical Communications</i> , 1997, 62, 527-557.	1.0	37
226	The Slipping Approach to Self-Assembling [n]Rotaxanes. <i>Journal of the American Chemical Society</i> , 1997, 119, 302-310.	6.6	150
227	Recognition of Bipyridinium-Based Derivatives by Hydroquinone- and/or Dioxynaphthalene-Based Macrocyclic Polyethers: From Inclusion Complexes to the Self-Assembly of [2]Catenanes. <i>Journal of Organic Chemistry</i> , 1997, 62, 26-37.	1.7	94
228	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.	6.6	44
229	Self-Assembly of Novel [2]Catenanes and [2]Pseudorotaxanes Incorporating Thiacyclic Ethers or Their Acyclic Analogues. <i>Chemistry - A European Journal</i> , 1997, 3, 772-787.	1.7	32
230	Controlling Self-Assembly. <i>Chemistry - A European Journal</i> , 1997, 3, 1933-1940.	1.7	129
231	Self-Assembly of [n]Rotaxanes Bearing Dendritic Stoppers. <i>Journal of the American Chemical Society</i> , 1996, 118, 12012-12020.	6.6	128
232	Chromatography of Mechanically Interlocked Molecular Compounds. <i>Analytical Chemistry</i> , 1996, 68, 3879-3881.	3.2	4
233	Self-Assembly, Spectroscopic, and Electrochemical Properties of [n]Rotaxanes. <i>Journal of the American Chemical Society</i> , 1996, 118, 4931-4951.	6.6	204
234	Improved Template-Directed Synthesis of Cyclobis(paraquat-p-phenylene). <i>Journal of Organic Chemistry</i> , 1996, 61, 9591-9595.	1.7	212

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235	Cyclobis(Paraquat-4,4'-Biphenylene) – an Organic Molecular Square. Chemistry - A European Journal, 1996, 2, 877-893.	1.7	96
236	Second-Sphere Coordination. Chemische Berichte, 1996, 129, 981-990.	0.2	75
237	Effects of Strained Bicyclic Annulation 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
238	Self-assembling wholly synthetic systems. Current Opinion in Colloid and Interface Science, 1996, 1, 116-126.	3.4	22
239	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
240	A new route to phenanthrene derivatives. Tetrahedron Letters, 1994, 35, 4839-4842.	0.7	8
241	Acenaphane derivatives from furan macrocycles. Tetrahedron, 1994, 50, 9113-9124.	1.0	15
242	The synthesis of a novel iptycene containing the triphenylene unit. Tetrahedron Letters, 1993, 34, 5331-5332.	0.7	10
243	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
244	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