Alberto Credi

List of Publications by Year
in descending order

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253 papers	24,627 citations	11608 70 h-index	9839 141 g-index
300 all docs	300 docs citations	300 times ranked	16528 citing authors

#	Article	IF	Citations
1	Artificial Molecular Machines. Angewandte Chemie - International Edition, 2000, 39, 3348-3391.	7.2	2,309
2	Handbook of Photochemistry. , 0, , .		1,335
3	Photochemical Conversion of Solar Energy. ChemSusChem, 2008, 1, 26-58.	3.6	1,038
4	A Molecular Elevator. Science, 2004, 303, 1845-1849.	6.0	991
5	Molecular devices and machines. Nano Today, 2007, 2, 18-25.	6.2	593
6	Logic Operations at the Molecular Level. An XOR Gate Based on a Molecular Machine. Journal of the American Chemical Society, 1997, 119, 2679-2681.	6.6	525
7	Artificial Molecular-Level Machines:â€‰Which Energy To Make Them Work?. Accounts of Chemical Research, 2001, 34, 445-455.	7.6	512
8	Light powered molecular machines. Chemical Society Reviews, 2009, 38, 1542.	18.7	474
9	Autonomous artificial nanomotor powered by sunlight. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 1178-1183.	3.3	460
10	Light-powered autonomous and directional molecular motion of a dissipative self-assembling system. Nature Nanotechnology, 2015, 10, 70-75.	15.6	367
11	Photo- and Redox-Driven Artificial Molecular Motors. Chemical Reviews, 2020, 120, 200-268.	23.0	355
12	Acidâ’Base Controllable Molecular Shuttlesâ€. Journal of the American Chemical Society, 1998, 120, 11932-11942.	6.6	346
13	A Chemically and Electrochemically Switchable [2]Catenane Incorporating a Tetrathiafulvalene Unit. Angewandte Chemie - International Edition, 1998, 37, 333-337.	7.2	328
14	A photochemically driven molecular-level abacus. Chemistry - A European Journal, 2000, 6, 3558-3574.	1.7	316
15	Molecules That Make Decisions. Angewandte Chemie - International Edition, 2007, 46, 5472-5475.	7.2	298
16	Operating Molecular Elevators. Journal of the American Chemical Society, 2006, 128, 1489-1499.	6.6	280
17	A Three-Pole Supramolecular Switchâ€. Journal of the American Chemical Society, 1999, 121, 3951-3957.	6.6	275
18	Molecular Logic Circuits. ChemPhysChem, 2003, 4, 49-59.	1.0	262

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19	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
20	Electrochemical properties of CdSe and CdTe quantum dots. Chemical Society Reviews, 2012, 41, 5728.	18.7	238
21	Photoinduced reversible switching of porosity in molecular crystals based on star-shaped azobenzene tetramers. Nature Chemistry, 2015, 7, 634-640.	6.6	229
22	Dendrimers with a Photoactive and Redox-Active [Ru(bpy)3]2+-Type Core:Â Photophysical Properties, Electrochemical Behavior, and Excited-State Electron-Transfer Reactions. Journal of the American Chemical Society, 1999, 121, 6290-6298.	6.6	224
23	Artificial nanomachines based on interlocked molecular species: recent advances. Chemical Society Reviews, 2006, 35, 1135.	18.7	224
24	Simple Mechanical Molecular and Supramolecular Machines: Photochemical and Electrochemical Control of Switching Processes. Chemistry - A European Journal, 1997, 3, 152-170.	1.7	212
25	A Simple Molecular Machine Operated by Photoinduced Proton Transfer. Journal of the American Chemical Society, 2007, 129, 13378-13379.	6.6	195
26	Molecular Machines Working on Surfaces and at Interfaces. ChemPhysChem, 2008, 9, 202-220.	1.0	193
27	Luminescent sensors based on quantum dotâ€“molecule conjugates. Chemical Society Reviews, 2015, 44, 4275-4289.	18.7	192
28	A Redox-Driven Multicomponent Molecular Shuttle. Journal of the American Chemical Society, 2007, 129, 12159-12171.	6.6	180
29	Molecular Meccano. 4. The Self-Assembly of [2]Catenanes Incorporating Photoactive .pi.-Extended Systems. Journal of the American Chemical Society, 1995, 117, 11171-11197.	6.6	168
30	Electrochemically Induced Molecular Motions in Pseudorotaxanes: A Case of Dualâ€Mode (Oxidative) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.7	164
31	Oligocatenanes Made to Order1. Journal of the American Chemical Society, 1998, 120, 4295-4307.	6.6	157
32	Viologen-Calix[6]arene Pseudorotaxanes. Ion-Pair Recognition and Threading/Dethreading Molecular Motions. Journal of Organic Chemistry, 2004, 69, 5881-5887.	1.7	143
33	Artificial molecular shuttles: from concepts to devices. Journal of Materials Chemistry, 2009, 19, 2279.	6.7	136
34	From observed to corrected luminescence intensity of solution systems: an easy-to-apply correction method for standard spectrofluorimeters. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 1998, 54, 159-170.	2.0	134
35	A Simple Unimolecular Multiplexer/Demultiplexer. Angewandte Chemie - International Edition, 2008, 47, 6240-6243.	7.2	133
36	Constructing Molecular Machinery:â€‰ A Chemically-Switchable [2]Catenane. Journal of the American Chemical Society, 2000, 122, 3542-3543.	6.6	130

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37	Self-Assembly of [n]Rotaxanes Bearing Dendritic StoppersâŠ¥. Journal of the American Chemical Society, 1996, 118, 12012-12020.	6.6	128
38	Photoinduced Electron Transfer in a Triad That Can Be Assembled/Disassembled by Two Different External Inputs. Toward Molecular-Level Electrical Extension Cables. Journal of the American Chemical Society, 2002, 124, 12786-12795.	6.6	128
39	The Bottom-Up Approach to Molecular-Level Devices and Machines. Chemistry - A European Journal, 2002, 8, 5524-5532.	1.7	128
40	Allâ€Optical Integrated Logic Operations Based on Chemical Communication between Molecular Switches. Chemistry - A European Journal, 2009, 15, 178-185.	1.7	124
41	Light to investigate (read) and operate (write) molecular devices and machines. Chemical Society Reviews, 2014, 43, 4068-4083.	18.7	123
42	Processing Energy and Signals by Molecular and Supramolecular Systems. Chemistry - A European Journal, 2008, 14, 26-39.	1.7	120
43	Photochemical and Electronic Properties of Conjugated Bis(azo) Compounds: An Experimental and Computational Study. Chemistry - A European Journal, 2004, 10, 2011-2021.	1.7	119
44	Photoinduced Memory Effect in a Redox Controllable Bistable Mechanical Molecular Switch. Angewandte Chemie - International Edition, 2012, 51, 1611-1615.	7.2	119
45	A Molecular-Level Plug/Socket System: Electronic Energy Transfer from a Binaphthyl Unit Incorporated into a Crown Ether to an Anthracenyl Unit Linked to an Ammonium Ion. Chemistry - A European Journal, 1999, 5, 984-989.	1.7	117
46	Photochemistry and photophysics of coordination compounds: An extended view. Coordination Chemistry Reviews, 1998, 171, 3-16.	9.5	116
47	Ferrocene-Containing Carbohydrate Dendrimers. Chemistry - A European Journal, 2002, 8, 673-684.	1.7	110
48	Photoactivated Directionally Controlled Transit of a Nonâ€Symmetric Molecular Axle Through a Macrocycle. Angewandte Chemie - International Edition, 2012, 51, 4223-4226.	7.2	109
49	Polynuclear metal complexes of nanometre size. A versatile synthetic strategy leading to luminescent and redox-active dendrimers made of an osmium(II)-based core and ruthenium(II)-based units in the branches. Journal of Materials Chemistry, 1997, 7, 1227-1236.	6.7	108
50	Light operated molecular machines. Chemical Communications, 2011, 47, 2483-2489.	2.2	104
51	A Three-Station DNA Catenane Rotary Motor with Controlled Directionality. Nano Letters, 2013, 13, 2303-2308.	4.5	103
52	Simple Molecular Machines: Chemically Driven Unthreading and Rethreading of a[2]Pseudorotaxane. Angewandte Chemie International Edition in English, 1996, 35, 978-981.	4.4	101
53	Photoactive Azobenzene-Containing Supramolecular Complexes and Related Interlocked Molecular Compounds. Chemistry - A European Journal, 1999, 5, 860-875.	1.7	99
54	Shuttling Dynamics in an Acid-Base-Switchable [2]Rotaxane. ChemPhysChem, 2005, 6, 2145-2152.	1.0	99

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55	Probing Donorâ^'Acceptor Interactions andCo-Conformational Changes in Redox Active Desymmetrized [2]Catenanes. Journal of the American Chemical Society, 2010, 132, 1110-1122.	6.6	96
56	Controlled disassembling of self-assembling systems: Toward artificial molecular-level devices and machines. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 4814-4817.	3.3	94
57	Artificial Molecular Motors Powered by Light. Australian Journal of Chemistry, 2006, 59, 157.	0.5	94
58	Toward Directionally Controlled Molecular Motions and Kinetic Intra- and Intermolecular Self-Sorting: Threading Processes of Nonsymmetric Wheel and Axle Components. Journal of the American Chemical Society, 2013, 135, 9924-9930.	6.6	91
59	Artificial molecular-level machines. Dethreadingâ€"rethreading of a pseudorotaxane powered exclusively by light energy. Chemical Communications, 2001, , 1860-1861.	2.2	90
60	RuII-Polypyridine Complexes Covalently Linked to Electron Acceptors as Wires for Light-Driven Pseudorotaxane-Type Molecular Machines. Chemistry - A European Journal, 1998, 4, 2413-2422.	1.7	89
61	Chemical On/Off Switching of Mechanically Planar Chirality and Chiral Anion Recognition in a [2]Rotaxane Molecular Shuttle. Journal of the American Chemical Society, 2019, 141, 9129-9133.	6.6	88
62	Making and Operating Molecular Machines: A Multidisciplinary Challenge. ChemistryOpen, 2018, 7, 169-179.	0.9	87
63	Simple molecular-level machines. Interchange between different threads in pseudorotaxanes. New Journal of Chemistry, 1998, 22, 1061-1065.	1.4	86
64	Photoactivated Artificial Molecular Machines that Can Perform Tasks. Advanced Materials, 2020, 32, e1906064.	11.1	83
65	A Mechanically Interlocked Bundle. Chemistry - A European Journal, 2004, 10, 1926-1935.	1.7	80
66	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
67	Artificial Molecular Motors and Machines: Design Principles and Prototype Systems. , 0, , 1-27.		74
68	A ratiometric luminescent oxygen sensor based on a chemically functionalized quantum dot. Chemical Communications, 2011, 47, 325-327.	2.2	74
69	Controlling Catenations, Properties and Relative Ring-Component Movements in Catenanes with Aromatic Fluorine Substituentsâ€. Journal of the American Chemical Society, 1997, 119, 12503-12513.	6.6	72
70	Solution and Solid-State Emission Toggling of a Photochromic Hydrazone. Journal of the American Chemical Society, 2018, 140, 12323-12327.	6.6	72
71	Towards Controlling the Threading Direction of a Calix[6]arene Wheel by Using Nonsymmetric Axles. Chemistry - A European Journal, 2009, 15, 3230-3242.	1.7	70
72	Controlling Multivalent Interactions in Triply-Threaded Two-Component Superbundles. Chemistry - A European Journal, 2003, 9, 5348-5360.	1.7	68

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73	Signal processing with multicomponent systems based on metal complexes. Coordination Chemistry Reviews, 2010, 254, 2267-2280.	9.5	67
74	Cyclophanes and [2]Catenanes as Ligands for Transition Metal Complexes: Synthesis, Structure, Absorption Spectra, and Excited State and Electrochemical Properties. Chemistry - A European Journal, 1998, 4, 590-607.	1.7	64
75	Unravelling the Shuttling Mechanism in a Photoswitchable Multicomponent Bistable Rotaxane. Angewandte Chemie - International Edition, 2008, 47, 3536-3539.	7.2	64
76	Reversible Photoswitching of Rotaxane Character and Interplay of Thermodynamic Stability and Kinetic Lability in a Selfâ€Assembling Ringâ€“Axle Molecular System. Chemistry - A European Journal, 2010, 16, 11580-11587.	1.7	64
77	pH-sensitive Ru(II) and Os(II) bis(2,2â€²:6â€²,2â€³-terpyridine) complexes: A photophysical investigation. Inorganica Chimica Acta, 2007, 360, 1102-1110.	1.2	63
78	Aggregation of self-assembling branched [n]rotaxanes. New Journal of Chemistry, 1998, 22, 959-972.	1.4	62
79	Photoinduced electron flow in a self-assembling supramolecular extension cable. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18411-18416.	3.3	62
80	Luminescent and Redox-Active Iridium(III)-Cyclometalated Compounds with Terdentate Ligands. Inorganic Chemistry, 1997, 36, 5947-5950.	1.9	61
81	Photochemical switching of luminescence and singlet oxygen generation by chemical signal communication. Chemical Communications, 2009, , 1484.	2.2	60
82	Electrochemistry of coordination compounds: an extended view. Coordination Chemistry Reviews, 1999, 185-186, 233-256.	9.5	59
83	Wire-Type Ruthenium(II) Complexes with Terpyridine-Containing [2]Rotaxanes as Ligands: Synthesis, Characterization, and Photophysical Properties. Chemistry - A European Journal, 2006, 12, 3233-3242.	1.7	58
84	Molecular Photochemionics. Advanced Functional Materials, 2007, 17, 740-750.	7.8	58
85	Pseudorotaxanes and Catenanes Containing a Redox-Active Unit Derived from Tetrathiafulvalene. European Journal of Organic Chemistry, 1999, 1999, 985-994.	1.2	56
86	Polyvalent Scaffolds. Counting the Number of Seats Available for Eosin Guest Molecules in Viologen-Based Host Dendrimers. Journal of the American Chemical Society, 2004, 126, 568-573.	6.6	55
87	Redox-Induced Ring Shuttling and Evidence for Folded Structures in Long and Flexible Two-Station Rotaxanes. Collection of Czechoslovak Chemical Communications, 2003, 68, 1488-1514.	1.0	53
88	Chiral Supramolecular Switches Based on (R)â€Binaphthaleneâ€“Bipyridinium Guests and Cucurbituril Hosts. Chemistry - A European Journal, 2012, 18, 16911-16921.	1.7	53
89	Solventâ€•and Lightâ€Controlled Unidirectional Transit of a Nonsymmetric Molecular Axle Through a Nonsymmetric Molecular Wheel. Chemistry - A European Journal, 2012, 18, 16203-16213.	1.7	53
90	Multistable Self-Assembling System with Three Distinct Luminescence Outputs: Prototype of a Bidirectional Half Subtractor and Reversible Logic Device. Journal of Physical Chemistry C, 2010, 114, 3209-3214.	1.5	52

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91	Towards Organization of Molecular Machines at Interfaces: Langmuir Films and Langmuirâ€“Blodgett Multilayers of an Acidâ€“Base Switchable Rotaxane. Advanced Materials, 2006, 18, 1291-1296.	11.1	49
92	Light-powered molecular devices and machines. Photochemical and Photobiological Sciences, 2010, 9, 1561-1573.	1.6	49
93	Controlled dethreading/rethreading of a scorpion-like pseudorotaxane and a related macrobicyclic self-complexing system. New Journal of Chemistry, 2001, 25, 25-31.	1.4	47
94	A Molecular Plugâ^'Socket Connector. Journal of the American Chemical Society, 2007, 129, 4633-4642.	6.6	47
95	Ruthenium(ii) complexes based on tridentate polypyridine ligands that feature long-lived room-temperature luminescence. Chemical Communications, 2013, 49, 9110.	2.2	47
96	Photoprocesses. Current Opinion in Chemical Biology, 1997, 1, 506-513.	2.8	46
97	Characterization of TiO2 coatings prepared by a modified electric arc-physical vapour deposition system. Surface and Coatings Technology, 2007, 202, 13-22.	2.2	46
98	Selfâ€Assembly of a Double Calix[6]arene Pseudorotaxane in Oriented Channels. Chemistry - A European Journal, 2008, 14, 98-106.	1.7	46
99	Light-driven molecular machines based on ruthenium(II) polypyridine complexes: Strategies and recent advances. Coordination Chemistry Reviews, 2016, 325, 125-134.	9.5	46
100	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
101	Light-powered molecular-scale machines. Pure and Applied Chemistry, 2003, 75, 541-547.	0.9	44
102	Light Control of Stoichiometry and Motion in Pseudorotaxanes Comprising a Cucurbit[7]uril Wheel and an Azobenzeneâ€Bipyridinium Axle. Chemistry - A European Journal, 2014, 20, 10737-10744.	1.7	44
103	Reversible modulation of helicity in a binaphthylâ€“bipyridinium species and its cucurbit[8]uril complexes. Chemical Communications, 2012, 48, 7577.	2.2	43
104	A Comparison of Shuttling Mechanisms in Two Constitutionally Isomeric Bistable Rotaxane-Based Sunlight-Powered Nanomotors. Australian Journal of Chemistry, 2006, 59, 193.	0.5	42
105	Photophysical, photochemical and electrochemical properties of a series of aromatic electron acceptors based on N-heterocycles. Inorganica Chimica Acta, 2007, 360, 1072-1082.	1.2	42
106	Multifunctional switching of a photo- and electro-chemiluminescent iridiumâ€“dithienylethene complex. Chemical Communications, 2012, 48, 8652.	2.2	42
107	Organic Nanofibers Embedding Stimuli-Responsive Threaded Molecular Components. Journal of the American Chemical Society, 2014, 136, 14245-14254.	6.6	42
108	Reversible Photoswitching and Isomerâ€Dependent Diffusion of Single Azobenzene Tetramers on a Metal Surface. Angewandte Chemie - International Edition, 2018, 57, 15034-15039.	7.2	42

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109	Supramolecular Photochemistry and Photophysics. A Cylindrical Macrotricyclic Receptor and Its Adducts with Protons, Ammonium Ions, and a Pt(II) Complex. Journal of the American Chemical Society, 1994, 116, 5741-5746.	6.6	40
110	Absorption and Emission Properties of Di- and Trinuclear Ruthenium(II) Rack-Type Complexes. European Journal of Inorganic Chemistry, 1999, 1999, 1409-1414.	1.0	40
111	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
112	Kinetic and energetic insights into the dissipative non-equilibrium operation of an autonomous light-powered supramolecular pump. Nature Nanotechnology, 2022, 17, 746-751.	15.6	40
113	Rotaxanes with a calix[6]arene wheel and axles of different length. Synthesis, characterization, and photophysical and electrochemical properties. Tetrahedron, 2008, 64, 8279-8286.	1.0	39
114	Inner filter effects and other traps in quantitative spectrofluorimetric measurements: Origins and methods of correction. Journal of Molecular Structure, 2014, 1077, 30-39.	1.8	39
115	Synthesis and properties of ZnTe and ZnTe/ZnS core/shell semiconductor nanocrystals. Journal of Materials Chemistry C, 2014, 2, 2877-2886.	2.7	39
116	Improving Fatigue Resistance of Dihydropyrene by Encapsulation within a Coordination Cage. Journal of the American Chemical Society, 2020, 142, 14557-14565.	6.6	39
117	Template-Directed Syntheses, Spectroscopic Properties, and Electrochemical Behavior of [n]Catenanes. European Journal of Organic Chemistry, 2000, 2000, 1121-1130.	1.2	38
118	Artificial molecular-level machines. Chemical Record, 2001, 1, 422-435.	2.9	38
119	Ion-Pairing Effects in the Self-Assembly of a Fluorescent Pseudorotaxane. European Journal of Organic Chemistry, 2006, 2006, 105-112.	1.2	38
120	Diastereoselective Formation and Photophysical Behavior of a Chiral Copper(I) Phenanthroline Complex. Inorganic Chemistry, 1998, 37, 2145-2149.	1.9	35
121	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
122	Cyclohexenylphenyldiazene:Â A Simple Surrogate of the Azobenzene Photochromic Unit. Journal of the American Chemical Society, 2007, 129, 3198-3210.	6.6	35
123	The eternal youth of azobenzene: new photoactive molecular and supramolecular devices. Pure and Applied Chemistry, 2015, 87, 537-545.	0.9	35
124	Lightâ€Responsive (Supra)Molecular Architectures: Recent Advances. Advanced Optical Materials, 2019, 7, 1900392.	3.6	35
125	Ruthenium tris(bipyridine) complexes: Interchange between photons and electrons in molecular-scale devices and machines. Coordination Chemistry Reviews, 2021, 433, 213758.	9.5	35
126	Reactivity of a pyridinium-substituted dimethyldihydropyrene switch under aerobic conditions: self-sensitized photo-oxygenation and thermal release of singlet oxygen. Chemical Communications, 2015, 51, 13886-13889.	2.2	34

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127	Design of photo-activated molecular machines: highlights from the past ten years. Chemical Communications, 2019, 55, 12595-12602.	2.2	34
128	Artificial molecular-level machines with [Ru(bpy)3]2+as a â€œlight-fueled motorâ€• International Journal of Photoenergy, 2001, 3, 63-77.	1.4	33
129	Luminescence quenching in supramolecular assemblies of quantum dots and bipyridinium dications. Journal of Materials Chemistry, 2008, 18, 2022.	6.7	32
130	An Artificial Molecular Transporter. ChemistryOpen, 2016, 5, 120-124.	0.9	32
131	Remote electrochemical modulation of pK _a in a rotaxane by co-conformational allostery. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9385-9390.	3.3	32
132	Precision Molecular Threading/Dethreading. Angewandte Chemie - International Edition, 2020, 59, 14825-14834.	7.2	32
133	Light-Operated Machines Based on Threaded Molecular Structures. Topics in Current Chemistry, 2014, 354, 1-34.	4.0	31
134	Supramolecular Photochemistry and Photophysics. Energy- Conversion and Information-Processing Devices based on Transition Metal Complexes. , 1994, , 1-32.		31
135	Effect of Strain on the Photoisomerization and Stability of a Congested Azobenzenophane:Â A Combined Experimental and Computational Study. Journal of Physical Chemistry A, 2006, 110, 12385-12394.	1.1	30
136	Thermodynamic Insights on a Bistable Acidâ€“Base Switchable Molecular Shuttle with Strongly Shifted Coâ€conformational Equilibria. Chemistry - A European Journal, 2017, 23, 2149-2156.	1.7	30
137	Individualâ€Molecule Perspective Analysis of Chemical Reaction Networks: The Case of a Lightâ€Driven Supramolecular Pump. Angewandte Chemie - International Edition, 2019, 58, 14341-14348.	7.2	30
138	Binary logic operations with artificial molecular machines. Coordination Chemistry Reviews, 2021, 428, 213589.	9.5	30
139	Second-Generation Light-Fueled Supramolecular Pump. Journal of the American Chemical Society, 2021, 143, 10890-10894.	6.6	30
140	Quantum dotâ€“molecule hybrids: a paradigm for light-responsive nanodevices. New Journal of Chemistry, 2012, 36, 1925.	1.4	29
141	Designed Longâ€Lived Emission from CdSe Quantum Dots through Reversible Electronic Energy Transfer with a Surfaceâ€Bound Chromophore. Angewandte Chemie - International Edition, 2018, 57, 3104-3107.	7.2	29
142	A Molecular Cable Car for Transmembrane Ion Transport. Angewandte Chemie - International Edition, 2019, 58, 4108-4110.	7.2	29
143	Direct synthetic routes to functionalised crown ethers. Organic Chemistry Frontiers, 2021, 8, 5531-5549.	2.3	29
144	Photochemistry of a Dumbbell-Shaped Multicomponent System Hosted Inside the Mesopores of Al/MCM-41 Aluminosilicate. Generation of Long-Lived Viologen Radicals. Journal of Physical Chemistry B, 2003, 107, 14319-14325.	1.2	28

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145	Einfache molekulare Maschinen: chemisch gesteuertes AusfÃdeln und RÃ¼ckeinfÃdeln eines [2]Pseudorotaxans. Angewandte Chemie, 1996, 108, 1056-1059.	1.6	27
146	Chiroptical Absorption and Luminescence Spectra of a Dissymmetric Osmium(II)â^'Polypyridyl Complex Containing an Optically Active Bis(bipyridine)-Type Ligand of Well-Defined Structural Chirality. Inorganic Chemistry, 1997, 36, 426-434.	1.9	27
147	Selfâ€Assembly of Calix[6]areneâ€"Diazapyrenium Pseudorotaxanes: Interplay of Molecular Recognition and Ionâ€Pairing Effects. Chemistry - A European Journal, 2010, 16, 3467-3475.	1.7	27
148	Light-powered, artificial molecular pumps: a minimalistic approach. Beilstein Journal of Nanotechnology, 2015, 6, 2096-2104.	1.5	27
149	Photophysical Properties and Conformational Effects on the Circular Dichroism of an Azobenzeneâ€"Cyclodextrin [1]Rotaxane and Its Molecular Components. Chemistry - A European Journal, 2013, 19, 3131-3138.	1.7	26
150	Lightâ€Controlled Regioselective Synthesis of Fullerene Bisâ€Adducts. Angewandte Chemie - International Edition, 2021, 60, 313-320.	7.2	26
151	Photophysical properties of a dinuclear rack-type Ru(II) complex and of its components. Chemical Physics Letters, 1995, 243, 102-107.	1.2	24
152	Redox properties of CdSe and CdSeâ€"ZnS quantum dots in solution. Pure and Applied Chemistry, 2010, 83, 1-8.	0.9	24
153	Photoactive Molecularâ€Based Devices, Machines and Materials: Recent Advances. European Journal of Inorganic Chemistry, 2018, 2018, 4589-4603.	1.0	24
154	Photodriven [2]rotaxaneâ€"[2]catenane interconversion. Chemical Communications, 2015, 51, 2810-2813.	2.2	23
155	Light on Molecular Machines. ChemPhysChem, 2010, 11, 3398-3403.	1.0	22
156	Spectroscopic and Electrochemical Properties of Catenanes Containing the 2,7-Diazapyrenium Unit. Supramolecular Chemistry, 2001, 13, 303-311.	1.5	21
157	Electrochemically Controlled Formation/Dissociation of Phosphonateâ€Cavitand/Methylpyridinium Complexes. Chemistry - A European Journal, 2008, 14, 8964-8971.	1.7	21
158	Redox Control of Molecular Motion in Switchable Artificial Nanoscale Devices. Antioxidants and Redox Signaling, 2011, 14, 1119-1165.	2.5	21
159	Hybrids of semiconductor quantum dot and molecular species for photoinduced functions. Coordination Chemistry Reviews, 2014, 263-264, 151-160.	9.5	21
160	Photoactive pseudorotaxanes and rotaxanes as artificial molecular machines. Synthetic Metals, 2003, 139, 773-777.	2.1	20
161	Reversible Mechanical Switching of Magnetic Interactions in a Molecular Shuttle. ChemistryOpen, 2015, 4, 18-21.	0.9	20
162	Threading-gated photochromism in [2]pseudorotaxanes. Chemical Science, 2019, 10, 5104-5113.	3.7	20

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163	Artificial Supramolecular Pumps Powered by Light. Chemistry - A European Journal, 2021, 27, 11076-11083.	1.7	20
164	Molecular-Level Artificial Machines Based on Photoinduced Electron-Transfer Processes. , 2001, , 163-188.		20
165	Photoredox pathways for the polymerization of a pyrrole-substituted ruthenium tris(bipyridyl) complex. New Journal of Chemistry, 1998, 22, 33-37.	1.4	18
166	Towards molecular photochemionics. International Journal of Photoenergy, 2004, 6, 1-10.	1.4	18
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