

Alberto Credi

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273
papers

21,208
citations

66
h-index

141
g-index

300
ext. papers

22,575
ext. citations

9.1
avg, IF

6.93
L-index

#	Paper	IF	Citations
273	Artificial Molecular Machines. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 3348-3391	16.4	2027
272	Handbook of Photochemistry		1123
271	Photochemical conversion of solar energy. <i>ChemSusChem</i> , 2008 , 1, 26-58	8.3	934
270	A molecular elevator. <i>Science</i> , 2004 , 303, 1845-9	33.3	929
269	2003 ,		756
268	2008 ,		618
267	Molecular devices and machines. <i>Nano Today</i> , 2007 , 2, 18-25	17.9	518
266	Logic Operations at the Molecular Level. An XOR Gate Based on a Molecular Machine. <i>Journal of the American Chemical Society</i> , 1997 , 119, 2679-2681	16.4	463
265	Artificial molecular-level machines: which energy to make them work?. <i>Accounts of Chemical Research</i> , 2001 , 34, 445-55	24.3	450
264	K�stliche molekulare Maschinen. <i>Angewandte Chemie</i> , 2000 , 112, 3484-3530	3.6	443
263	Light powered molecular machines. <i>Chemical Society Reviews</i> , 2009 , 38, 1542-50	58.5	427
262	Autonomous artificial nanomotor powered by sunlight. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 1178-83	11.5	418
261	AcidBase Controllable Molecular Shuttles. <i>Journal of the American Chemical Society</i> , 1998 , 120, 11932-11942	16.4	308
260	Light-powered autonomous and directional molecular motion of a dissipative self-assembling system. <i>Nature Nanotechnology</i> , 2015 , 10, 70-5	28.7	285
259	A Chemically and Electrochemically Switchable [2]Catenane Incorporating a Tetrathiafulvalene Unit. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 333-337	16.4	280
258	Molecules that make decisions. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 5472-5	16.4	280
257	A photochemically driven molecular-level abacus. <i>Chemistry - A European Journal</i> , 2000 , 6, 3558-74	4.8	267

256	Operating molecular elevators. <i>Journal of the American Chemical Society</i> , 2006 , 128, 1489-99	16.4	266
255	Molecular logic circuits. <i>ChemPhysChem</i> , 2003 , 4, 49-59	3.2	246
254	A Three-Pole Supramolecular Switch \square <i>Journal of the American Chemical Society</i> , 1999 , 121, 3951-3957	16.4	228
253	Switching of pseudorotaxanes and catenanes incorporating a tetrathiafulvalene unit by redox and chemical inputs. <i>Journal of Organic Chemistry</i> , 2000 , 65, 1924-36	4.2	214
252	Artificial nanomachines based on interlocked molecular species: recent advances. <i>Chemical Society Reviews</i> , 2006 , 35, 1135-49	58.5	212
251	Electrochemical properties of CdSe and CdTe quantum dots. <i>Chemical Society Reviews</i> , 2012 , 41, 5728-43	38.5	204
250	Dendrimers with a Photoactive and Redox-Active [Ru(bpy) ₃] ²⁺ -Type Core: Photophysical Properties, Electrochemical Behavior, and Excited-State Electron-Transfer Reactions. <i>Journal of the American Chemical Society</i> , 1999 , 121, 6290-6298	16.4	196
249	Photoinduced reversible switching of porosity in molecular crystals based on star-shaped azobenzene tetramers. <i>Nature Chemistry</i> , 2015 , 7, 634-40	17.6	188
248	Photo- and Redox-Driven Artificial Molecular Motors. <i>Chemical Reviews</i> , 2020 , 120, 200-268	68.1	186
247	Simple Mechanical Molecular and Supramolecular Machines: Photochemical and Electrochemical Control of Switching Processes. <i>Chemistry - A European Journal</i> , 1997 , 3, 152-170	4.8	182
246	A simple molecular machine operated by photoinduced proton transfer. <i>Journal of the American Chemical Society</i> , 2007 , 129, 13378-9	16.4	182
245	Molecular machines working on surfaces and at interfaces. <i>ChemPhysChem</i> , 2008 , 9, 202-20	3.2	178
244	Luminescent sensors based on quantum dot-molecule conjugates. <i>Chemical Society Reviews</i> , 2015 , 44, 4275-89	58.5	175
243	A redox-driven multicomponent molecular shuttle. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12159-71	16.4	165
242	Viologen-calix[6]arene pseudorotaxanes. Ion-pair recognition and threading/dethreading molecular motions. <i>Journal of Organic Chemistry</i> , 2004 , 69, 5881-7	4.2	137
241	Electrochemically Induced Molecular Motions in Pseudorotaxanes: A Case of Dual-Mode (Oxidative and Reductive) Dethreading. <i>Chemistry - A European Journal</i> , 1997 , 3, 1992-1996	4.8	134
240	Oligocatenanes Made to Order ¹ . <i>Journal of the American Chemical Society</i> , 1998 , 120, 4295-4307	16.4	134
239	Molecular Meccano. 4. The Self-Assembly of [2]Catenanes Incorporating Photoactive .pi.-Extended Systems. <i>Journal of the American Chemical Society</i> , 1995 , 117, 11171-11197	16.4	134

238	A simple unimolecular multiplexer/demultiplexer. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6240-3	16.4	129
237	All-optical integrated logic operations based on chemical communication between molecular switches. <i>Chemistry - A European Journal</i> , 2009 , 15, 178-85	4.8	122
236	Artificial molecular shuttles: from concepts to devices. <i>Journal of Materials Chemistry</i> , 2009 , 19, 2279		119
235	Photoinduced electron transfer in a triad that can be assembled/disassembled by two different external inputs. Toward molecular-level electrical extension cables. <i>Journal of the American Chemical Society</i> , 2002 , 124, 12786-95	16.4	117
234	From observed to corrected luminescence intensity of solution systems: an easy-to-apply correction method for standard spectrofluorimeters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1998 , 54, 159-170	4.4	116
233	Processing energy and signals by molecular and supramolecular systems. <i>Chemistry - A European Journal</i> , 2008 , 14, 26-39	4.8	115
232	Light to investigate (read) and operate (write) molecular devices and machines. <i>Chemical Society Reviews</i> , 2014 , 43, 4068-83	58.5	114
231	Constructing Molecular Machinery: A Chemically-Switchable [2]Catenane. <i>Journal of the American Chemical Society</i> , 2000 , 122, 3542-3543	16.4	114
230	Self-Assembly of [n]Rotaxanes Bearing Dendritic Stoppers?. <i>Journal of the American Chemical Society</i> , 1996 , 118, 12012-12020	16.4	111
229	The bottom-up approach to molecular-level devices and machines. <i>Chemistry - A European Journal</i> , 2002 , 8, 5524-32	4.8	110
228	Photoinduced memory effect in a redox controllable bistable mechanical molecular switch. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 1611-5	16.4	109
227	Ferrocene-containing carbohydrate dendrimers. <i>Chemistry - A European Journal</i> , 2002 , 8, 673-84	4.8	103
226	Photochemical and electronic properties of conjugated bis(azo) compounds: an experimental and computational study. <i>Chemistry - A European Journal</i> , 2004 , 10, 2011-21	4.8	101
225	Photoactivated directionally controlled transit of a non-symmetric molecular axle through a macrocycle. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4223-6	16.4	100
224	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. <i>Journal of Materials Chemistry</i> , 1997 , 7, 1227-1236		98
223	Light operated molecular machines. <i>Chemical Communications</i> , 2011 , 47, 2483-9	5.8	97
222	Photochemistry and photophysics of coordination compounds: An extended view. <i>Coordination Chemistry Reviews</i> , 1998 , 171, 3-16	23.2	97
221	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. <i>Chemistry - A European Journal</i> , 1999 , 5, 984-989	4.8	95

220	Probing donor-acceptor interactions and co-conformational changes in redox active desymmetrized [2]catenanes. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1110-22	16.4	93
219	A three-station DNA catenane rotary motor with controlled directionality. <i>Nano Letters</i> , 2013 , 13, 2303-8	1.5	92
218	Shuttling dynamics in an acid-base-switchable [2]rotaxane. <i>ChemPhysChem</i> , 2005 , 6, 2145-52	3.2	89
217	Artificial Molecular Motors Powered by Light. <i>Australian Journal of Chemistry</i> , 2006 , 59, 157	1.2	85
216	Simple Molecular Machines: Chemically Driven Unthreading and Rethreading of a [2]Pseudorotaxane. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 978-981		85
215	Toward directionally controlled molecular motions and kinetic intra- and intermolecular self-sorting: threading processes of nonsymmetric wheel and axle components. <i>Journal of the American Chemical Society</i> , 2013 , 135, 9924-30	16.4	84
214	Controlled disassembling of self-assembling systems: toward artificial molecular-level devices and machines. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 4814-7	11.5	84
213	Photoactive Azobenzene-Containing Supramolecular Complexes and Related Interlocked Molecular Compounds. <i>Chemistry - A European Journal</i> , 1999 , 5, 860-875	4.8	82
212	A mechanically interlocked bundle. <i>Chemistry - A European Journal</i> , 2004 , 10, 1926-35	4.8	79
211	Simple molecular-level machines. Interchange between different threads in pseudorotaxanes. <i>New Journal of Chemistry</i> , 1998 , 22, 1061-1065	3.6	76
210	Artificial molecular-level machines. Dethreading-rethreading of a pseudorotaxane powered exclusively by light energy. <i>Chemical Communications</i> , 2001 , 1860-1	5.8	74
209	RuII-Polypyridine Complexes Covalently Linked to Electron Acceptors as Wires for Light-Driven Pseudorotaxane-Type Molecular Machines. <i>Chemistry - A European Journal</i> , 1998 , 4, 2413-2422	4.8	68
208	Dual-mode "co-conformational" switching in catenanes incorporating bipyridinium and dialkylammonium recognition sites. <i>Chemistry - A European Journal</i> , 2001 , 7, 3482-93	4.8	68
207	A ratiometric luminescent oxygen sensor based on a chemically functionalized quantum dot. <i>Chemical Communications</i> , 2011 , 47, 325-7	5.8	66
206	Artificial Molecular Motors and Machines: Design Principles and Prototype Systems		66
205	Towards controlling the threading direction of a calix[6]arene wheel by using nonsymmetric axles. <i>Chemistry - A European Journal</i> , 2009 , 15, 3230-42	4.8	65
204	Moleküle, die Entscheidungen treffen. <i>Angewandte Chemie</i> , 2007 , 119, 5568-5572	3.6	65
203	Controlling Catenations, Properties and Relative Ring-Component Movements in Catenanes with Aromatic Fluorine Substituents. <i>Journal of the American Chemical Society</i> , 1997 , 119, 12503-12513	16.4	63

202	Ein chemisch und elektrochemisch schaltbares [2]Catenan mit Tetrathiafulvalen-Einheit. <i>Angewandte Chemie</i> , 1998 , 110, 357-361	3.6	62
201	pH-sensitive Ru(II) and Os(II) bis(2,2':6'',2''-terpyridine) complexes: A photophysical investigation. <i>Inorganica Chimica Acta</i> , 2007 , 360, 1102-1110	2.7	61
200	Controlling multivalent interactions in triply-threaded two-component superbundles. <i>Chemistry - A European Journal</i> , 2003 , 9, 5348-60	4.8	61
199	Signal processing with multicomponent systems based on metal complexes. <i>Coordination Chemistry Reviews</i> , 2010 , 254, 2267-2280	23.2	59
198	Chemical On/Off Switching of Mechanically Planar Chirality and Chiral Anion Recognition in a [2]Rotaxane Molecular Shuttle. <i>Journal of the American Chemical Society</i> , 2019 , 141, 9129-9133	16.4	58
197	Photochemical switching of luminescence and singlet oxygen generation by chemical signal communication. <i>Chemical Communications</i> , 2009 , 1484-6	5.8	58
196	Reversible photoswitching of rotaxane character and interplay of thermodynamic stability and kinetic lability in a self-assembling ring-axle molecular system. <i>Chemistry - A European Journal</i> , 2010 , 16, 11580-7	4.8	58
195	Aggregation of self-assembling branched [n]rotaxanes. <i>New Journal of Chemistry</i> , 1998 , 22, 959-972	3.6	58
194	Unravelling the shuttling mechanism in a photoswitchable multicomponent bistable rotaxane. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 3536-9	16.4	58
193	Making and Operating Molecular Machines: A Multidisciplinary Challenge. <i>ChemistryOpen</i> , 2018 , 7, 169-179		57
192	Luminescent and Redox-Active Iridium(III)-Cyclometalated Compounds with Terdentate Ligands. <i>Inorganic Chemistry</i> , 1997 , 36, 5947-5950	5.1	55
191	Photoinduced electron flow in a self-assembling supramolecular extension cable. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 18411-6	11.5	55
190	Wire-type ruthenium(II) complexes with terpyridine-containing [2]rotaxanes as ligands: Synthesis, characterization, and photophysical properties. <i>Chemistry - A European Journal</i> , 2006 , 12, 3233-42	4.8	54
189	Solvent- and light-controlled unidirectional transit of a nonsymmetric molecular axle through a nonsymmetric molecular wheel. <i>Chemistry - A European Journal</i> , 2012 , 18, 16203-13	4.8	52
188	Cyclophanes and [2]Catenanes as Ligands for Transition Metal Complexes: Synthesis, Structure, Absorption Spectra, and Excited State and Electrochemical Properties. <i>Chemistry - A European Journal</i> , 1998 , 4, 590-607	4.8	52
187	Polyvalent scaffolds. Counting the number of seats available for eosin guest molecules in viologen-based host dendrimers. <i>Journal of the American Chemical Society</i> , 2004 , 126, 568-73	16.4	52
186	A Simple Unimolecular Multiplexer/Demultiplexer. <i>Angewandte Chemie</i> , 2008 , 120, 6336-6339	3.6	51
185	Redox-Induced Ring Shuttling and Evidence for Folded Structures in Long and Flexible Two-Station Rotaxanes. <i>Collection of Czechoslovak Chemical Communications</i> , 2003 , 68, 1488-1514		51

184	Chiral supramolecular switches based on (R)-binaphthalene-bipyridinium guests and cucurbituril hosts. <i>Chemistry - A European Journal</i> , 2012 , 18, 16911-21	4.8	50
183	Molecular Photochemionics. <i>Advanced Functional Materials</i> , 2007 , 17, 740-750	15.6	50
182	Pseudorotaxanes and Catenanes Containing a Redox-Active Unit Derived from Tetrathiafulvalene. <i>European Journal of Organic Chemistry</i> , 1999 , 1999, 985-994	3.2	50
181	Electrochemistry of coordination compounds: an extended view. <i>Coordination Chemistry Reviews</i> , 1999 , 185-186, 233-256	23.2	49
180	Solution and Solid-State Emission Toggling of a Photochromic Hydrazone. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12323-12327	16.4	49
179	Multistable Self-Assembling System with Three Distinct Luminescence Outputs: Prototype of a Bidirectional Half Subtractor and Reversible Logic Device. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 3209-3214	3.8	47
178	Towards Organization of Molecular Machines at Interfaces: Langmuir Films and Langmuir-Blodgett Multilayers of an Acid-Base Switchable Rotaxane. <i>Advanced Materials</i> , 2006 , 18, 1291-1296	24	46
177	Light-powered molecular devices and machines. <i>Photochemical and Photobiological Sciences</i> , 2010 , 9, 1561-73	4.2	44
176	Self-assembly of a double calix[6]arene pseudorotaxane in oriented channels. <i>Chemistry - A European Journal</i> , 2008 , 14, 98-106	4.8	44
175	Light-driven molecular machines based on ruthenium(II) polypyridine complexes: Strategies and recent advances. <i>Coordination Chemistry Reviews</i> , 2016 , 325, 125-134	23.2	42
174	A molecular plug-socket connector. <i>Journal of the American Chemical Society</i> , 2007 , 129, 4633-42	16.4	42
173	Photophysical, photochemical and electrochemical properties of a series of aromatic electron acceptors based on N-heterocycles. <i>Inorganica Chimica Acta</i> , 2007 , 360, 1072-1082	2.7	41
172	Reversible modulation of helicity in a binaphthyl-bipyridinium species and its cucurbit[8]uril complexes. <i>Chemical Communications</i> , 2012 , 48, 7577-9	5.8	40
171	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, 2280-8	3.2	40
170	Photoprocesses. <i>Current Opinion in Chemical Biology</i> , 1997 , 1, 506-13	9.7	40
169	Characterization of TiO ₂ coatings prepared by a modified electric arc-physical vapour deposition system. <i>Surface and Coatings Technology</i> , 2007 , 202, 13-22	4.4	40
168	Controlled dethreading/rethreading of a scorpion-like pseudorotaxane and a related macrobicyclic self-complexing system. <i>New Journal of Chemistry</i> , 2001 , 25, 25-31	3.6	40
167	Ruthenium(II) complexes based on tridentate polypyridine ligands that feature long-lived room-temperature luminescence. <i>Chemical Communications</i> , 2013 , 49, 9110-2	5.8	39

- 166 Multifunctional switching of a photo- and electro-chemiluminescent iridium-dithienylethene complex. *Chemical Communications*, **2012**, 48, 8652-4 5.8 39
- 165 Light-powered molecular-scale machines. *Pure and Applied Chemistry*, **2003**, 75, 541-547 2.1 39
- 164 Photoactivated Artificial Molecular Machines that Can Perform Tasks. *Advanced Materials*, **2020**, 32, e1906064 38
- 163 Organic nanofibers embedding stimuli-responsive threaded molecular components. *Journal of the American Chemical Society*, **2014**, 136, 14245-54 16.4 37
- 162 Rotaxanes with a calix[6]arene wheel and axles of different length. Synthesis, characterization, and photophysical and electrochemical properties. *Tetrahedron*, **2008**, 64, 8279-8286 2.4 37
- 161 A Comparison of Shuttling Mechanisms in Two Constitutionally Isomeric Bistable Rotaxane-Based Sunlight-Powered Nanomotors. *Australian Journal of Chemistry*, **2006**, 59, 193 1.2 37
- 160 Structural Implications on the Electrochemical and Spectroscopic Signature of CdSe-ZnS Core/Shell Quantum Dots. *Journal of Physical Chemistry C*, **2010**, 114, 7007-7013 3.8 36
- 159 Absorption and Emission Properties of Di- and Trinuclear Ruthenium(II) Rack-Type Complexes. *European Journal of Inorganic Chemistry*, **1999**, 1999, 1409-1414 2.3 36
- 158 Ion-Pairing Effects in the Self-Assembly of a Fluorescent Pseudorotaxane. *European Journal of Organic Chemistry*, **2006**, 2006, 105-112 3.2 35
- 157 Light control of stoichiometry and motion in pseudorotaxanes comprising a cucurbit[7]uril wheel and an azobenzene-bipyridinium axle. *Chemistry - A European Journal*, **2014**, 20, 10737-44 4.8 33
- 156 The eternal youth of azobenzene: new photoactive molecular and supramolecular devices. *Pure and Applied Chemistry*, **2015**, 87, 537-545 2.1 33
- 155 Cyclohexenylphenyldiazene: a simple surrogate of the azobenzene photochromic unit. *Journal of the American Chemical Society*, **2007**, 129, 3198-210 16.4 33
- 154 Inner filter effects and other traps in quantitative spectrofluorimetric measurements: Origins and methods of correction. *Journal of Molecular Structure*, **2014**, 1077, 30-39 3.4 31
- 153 Synthesis and properties of ZnTe and ZnTe/ZnS core/shell semiconductor nanocrystals. *Journal of Materials Chemistry C*, **2014**, 2, 2877-2886 7.1 31
- 152 Luminescence quenching in supramolecular assemblies of quantum dots and bipyridinium dications. *Journal of Materials Chemistry*, **2008**, 18, 2022 31
- 151 . *European Journal of Organic Chemistry*, **2000**, 2000, 1121-1130 3.2 31
- 150 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 16.4 31
- 149 Light-operated machines based on threaded molecular structures. *Topics in Current Chemistry*, **2014**, 354, 1-34 30

148	Diastereoselective Formation and Photophysical Behavior of a Chiral Copper(I) Phenanthroline Complex. <i>Inorganic Chemistry</i> , 1998 , 37, 2145-2149	5.1	30
147	Reversible Photoswitching and Isomer-Dependent Diffusion of Single Azobenzene Tetramers on a Metal Surface. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15034-15039	16.4	30
146	An Artificial Molecular Transporter. <i>ChemistryOpen</i> , 2016 , 5, 120-4	2.3	29
145	Quantum dot-molecule hybrids: a paradigm for light-responsive nanodevices. <i>New Journal of Chemistry</i> , 2012 , 36, 1925	3.6	28
144	Effect of strain on the photoisomerization and stability of a congested azobenzenophane: a combined experimental and computational study. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 12385-94	2.8	28
143	Artificial molecular-level machines. <i>Chemical Record</i> , 2001 , 1, 422-35	6.6	28
142	The electrochemically-driven decomplexation/recomplexation of inclusion adducts of ferrocene derivatives with an electron-accepting receptor. <i>Journal of Organic Chemistry</i> , 2000 , 65, 1947-56	4.2	28
141	Artificial molecular-level machines with [Ru(bpy) ₃] ²⁺ as a light-fueled motor. <i>International Journal of Photoenergy</i> , 2001 , 3, 63-77	2.1	27
140	Photoactivated Directionally Controlled Transit of a Non-Symmetric Molecular Axle Through a Macrocycle. <i>Angewandte Chemie</i> , 2012 , 124, 4299-4302	3.6	26
139	Self-assembly of calix[6]arene-diazapyrenium pseudorotaxanes: interplay of molecular recognition and ion-pairing effects. <i>Chemistry - A European Journal</i> , 2010 , 16, 3467-75	4.8	26
138	Chiroptical Absorption and Luminescence Spectra of a Dissymmetric Osmium(II) Polypyridyl Complex Containing an Optically Active Bis(bipyridine)-Type Ligand of Well-Defined Structural Chirality. <i>Inorganic Chemistry</i> , 1997 , 36, 426-434	5.1	26
137	Photoinduced Memory Effect in a Redox Controllable Bistable Mechanical Molecular Switch. <i>Angewandte Chemie</i> , 2012 , 124, 1643-1647	3.6	25
136	Supramolecular Photochemistry and Photophysics. Energy- Conversion and Information-Processing Devices based on Transition Metal Complexes 1994 , 1-32		25
135	Thermodynamic Insights on a Bistable Acid-Base Switchable Molecular Shuttle with Strongly Shifted Co-conformational Equilibria. <i>Chemistry - A European Journal</i> , 2017 , 23, 2149-2156	4.8	24
134	Designed Long-Lived Emission from CdSe Quantum Dots through Reversible Electronic Energy Transfer with a Surface-Bound Chromophore. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3104-3107	16.4	24
133	Remote electrochemical modulation of pK in a rotaxane by co-conformational allostery. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9385-9390	11.5	24
132	Photochemistry of a Dumbbell-Shaped Multicomponent System Hosted Inside the Mesopores of Al/MCM-41 Aluminosilicate. Generation of Long-Lived Viologen Radicals. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 14319-14325	3.4	24
131	Photophysical properties of a dinuclear rack-type Ru(II) complex and of its components. <i>Chemical Physics Letters</i> , 1995 , 243, 102-107	2.5	23

130	Reactivity of a pyridinium-substituted dimethyldihydropyrene switch under aerobic conditions: self-sensitized photo-oxygenation and thermal release of singlet oxygen. <i>Chemical Communications</i> , 2015 , 51, 13886-9	5.8	22
129	Redox properties of CdSe and CdSe/ZnS quantum dots in solution. <i>Pure and Applied Chemistry</i> , 2010 , 83, 1-8	2.1	22
128	Light on molecular machines. <i>ChemPhysChem</i> , 2010 , 11, 3398-403	3.2	22
127	A Molecular Cable Car for Transmembrane Ion Transport. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4108-4110	16.4	22
126	Light-powered, artificial molecular pumps: a minimalistic approach. <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 2096-104	3	21
125	Hybrids of semiconductor quantum dot and molecular species for photoinduced functions. <i>Coordination Chemistry Reviews</i> , 2014 , 263-264, 151-160	23.2	21
124	Redox control of molecular motion in switchable artificial nanoscale devices. <i>Antioxidants and Redox Signaling</i> , 2011 , 14, 1119-65	8.4	21
123	Electrochemically controlled formation/dissociation of phosphonate-cavitand/methylpyridinium complexes. <i>Chemistry - A European Journal</i> , 2008 , 14, 8964-71	4.8	21
122	Einfache molekulare Maschinen: chemisch gesteuertes Ausfüllen und Rückeffüllen eines [2]Pseudorotaxans. <i>Angewandte Chemie</i> , 1996 , 108, 1056-1059	3.6	21
121	Precision Molecular Threading/Dethreading. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 14825-14834	16.4	20
120	Photoactive pseudorotaxanes and rotaxanes as artificial molecular machines. <i>Synthetic Metals</i> , 2003 , 139, 773-777	3.6	20
119	Reversible mechanical switching of magnetic interactions in a molecular shuttle. <i>ChemistryOpen</i> , 2015 , 4, 18-21	2.3	19
118	Individual-Molecule Perspective Analysis of Chemical Reaction Networks: The Case of a Light-Driven Supramolecular Pump. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14341-14348	16.4	19
117	Photophysical properties and conformational effects on the circular dichroism of an azobenzene-cyclodextrin [1]rotaxane and its molecular components. <i>Chemistry - A European Journal</i> , 2013 , 19, 3131-8	4.8	19
116	Spectroscopic and Electrochemical Properties of Catenanes Containing the 2,7-Diazapyrenium Unit. <i>Supramolecular Chemistry</i> , 2001 , 13, 303-311	1.8	19
115	Design of photo-activated molecular machines: highlights from the past ten years. <i>Chemical Communications</i> , 2019 , 55, 12595-12602	5.8	19
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