# Vincenzo Balzani

## List of Publications by Year in Descending Order



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| 219 papers | 27,515 citations | 82 h-index | 165 g-index |
| 231 ext. papers | 28,623 ext. citations | 11 avg, IF | 6.71 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 219 | Ruthenium tris(bipyridine) complexes: Interchange between photons and electrons in molecular-scale devices and machines. *Coordination Chemistry Reviews*, **2021**, 433, 213758 | 23.2 | 6 |
| 218 | Mechanistic insights into two-photon-driven photocatalysis in organic synthesis. *Physical Chemistry Chemical Physics*, **2018**, 20, 8071-8076 | 3.6 | 41 |
| 217 | Photoredox Catalysis: The Need to Elucidate the Photochemical Mechanism. *Angewandte Chemie - International Edition*, **2017**, 56, 12820-12821 | 16.4 | 50 |
| 216 | Photoredox Catalysis: The Need to Elucidate the Photochemical Mechanism. *Angewandte Chemie*, **2017**, 129, 12996-12997 | 3.6 | 22 |
| 215 | The role of science and scientists in a complex and fragile world. *Toxicological and Environmental Chemistry*, **2016**, 98, 1013-1017 | 1.4 | 2 |
| 214 | Solar Electricity and Solar Fuels: Status and Perspectives in the Context of the Energy Transition. *Chemistry - A European Journal*, **2016**, 22, 32-57 | 4.8 | 239 |
| 213 | Blue and highly emitting [Ir(IV)] complexes by an efficient photoreaction of yellow luminescent [Ir(III)] complexes. *Journal of Materials Chemistry C*, **2014**, 2, 4461 | 7.1 | 6 |
| 212 | The beauty of chemistry in the words of writers and in the hands of scientists. *Topics in Current Chemistry*, **2012**, 323, 73-105 | | 4 |
| 211 | Towards an electricity-powered world. *Energy and Environmental Science*, **2011**, 4, 3193 | 35.4 | 328 |
| 210 | Reading and Powering Molecular Machines by Light **2011**, 595-627 | | 4 |
| 209 | Multistate/Multifunctional Molecular-Level Systems: Photochromic Flavylium Compounds **2011**, 181-226 | | 7 |
| 208 | Road Map towards an integrated energy management system in Italy. *Rendiconti Lincei*, **2011**, 22, 55-64 | 1.7 | 6 |
| 207 | The hydrogen issue. *ChemSusChem*, **2011**, 4, 21-36 | 8.3 | 594 |
| 206 | Molecular Machines Based on Rotaxanes and Catenanes **2010**, 157-212 | | 3 |
| 205 | Light on molecular machines. *ChemPhysChem*, **2010**, 11, 3398-403 | 3.2 | 22 |
| 204 | Appendix: Did You Know That ? **2010**, 315-320 | | |
| 203 | The Energy Challenge **2010**, 1-10 | | |

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| 202 | Solar Heat and Electricity **2010**, 167-201 | | 2 |
| 201 | Solar Fuels **2010**, 203-229 | | 1 |
| 200 | Other Renewables **2010**, 231-250 | | |
| 199 | Hydrogen **2010**, 279-299 | | |
| 198 | The Challenge Ahead **2010**, 301-314 | | |
| 197 | Concepts and Misconcepts **2010**, 11-24 | | |
| 196 | Energy in History **2010**, 25-37 | | |
| 195 | Oil **2010**, 39-67 | | |
| 194 | Fossil Legacy **2010**, 97-122 | | |
| 193 | Solar Energy Basics **2010**, 155-165 | | 1 |
| 192 | Light powered molecular machines. *Chemical Society Reviews*, **2009**, 38, 1542-50 | 58.5 | 427 |
| 191 | Light-powered Molecular Devices and Machines **2009**, 131-158 | | 3 |
| 190 | Molecular machines working on surfaces and at interfaces. *ChemPhysChem*, **2008**, 9, 202-20 | 3.2 | 178 |
| 189 | A fluorescent guest encapsulated by a photoreactive azobenzene dendrimer. *New Journal of Chemistry*, **2008**, 32, 401 | 3.6 | 28 |
| 188 | Nanoscience and nanotechnology: The bottom-up construction of molecular devices and machines. *Pure and Applied Chemistry*, **2008**, 80, 1631-1650 | 2.1 | 25 |
| 187 | Processing energy and signals by molecular and supramolecular systems. *Chemistry - A European Journal*, **2008**, 14, 26-39 | 4.8 | 115 |
| 186 | Shape-persistent macrocycles functionalised with coumarin dyes: acid-controlled energy- and electron-transfer processes. *Chemistry - A European Journal*, **2008**, 14, 10772-81 | 4.8 | 11 |
| 185 | A molecular plug-socket connector. *Journal of the American Chemical Society*, **2007**, 129, 4633-42 | 16.4 | 42 |

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| 184 | Electronic spectroscopy of metal complexes with dendritic ligands. *Coordination Chemistry Reviews*, **2007**, 251, 525-535 | 23.2 | 62 |
| 183 | Molecular devices and machines. *Nano Today*, **2007**, 2, 18-25 | 17.9 | 518 |
| 182 | Photochemistry and Photophysics of Coordination Compounds: Ruthenium **2007**, 117-214 | | 635 |
| 181 | Photochemistry and Photophysics of Coordination Compounds: Overview and General Concepts **2007**, 1-36 | | 134 |
| 180 | Photoinduced energy- and electron-transfer processes in dinuclear Ru(II)-Os(II), Ru(II)-Os(III), and Ru(III)-Os(II) trisbipyridine complexes containing a shape-persistent macrocyclic spacer. *ChemPhysChem*, **2006**, 7, 229-39 | 3.2 | 21 |
| 179 | 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 |
| 178 | Autonomous artificial nanomotor powered by sunlight. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 1178-83 | 11.5 | 418 |
| 177 | Operating molecular elevators. *Journal of the American Chemical Society*, **2006**, 128, 1489-99 | 16.4 | 266 |
| 176 | Artificial nanomachines based on interlocked molecular species: recent advances. *Chemical Society Reviews*, **2006**, 35, 1135-49 | 58.5 | 212 |
| 175 | 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, 18411-6 | 11.5 | 55 |
| 174 | Host-guest complexes between an aromatic molecular tweezer and symmetric and unsymmetric dendrimers with a 4,4'-bipyridinium core. *Journal of the American Chemical Society*, **2006**, 128, 637-48 | 16.4 | 70 |
| 173 | Ru(II)-bipyridine complexes in supramolecular systems, devices and machines. *Coordination Chemistry Reviews*, **2006**, 250, 1254-1266 | 23.2 | 228 |
| 172 | Molecular-Level Devices and Machines **2005**, 255-266 | | 5 |
| 171 | Nanoscience and nanotechnology: a personal view of a chemist. *Small*, **2005**, 1, 278-83 | 11 | 62 |
| 170 | Ru(II) and Os(II) Complexes of a Shape-Persistent Macrocyclic Ligand: Synthesis, Photophysical Properties, and Electrochemical Characterization **2005**, 219-234 | | 1 |
| 169 | Molecular-Level Machines **2004**, 931-938 | | |
| 168 | Redox-controllable amphiphilic [2]rotaxanes. *Chemistry - A European Journal*, **2004**, 10, 155-72 | 4.8 | 140 |
| 167 | Controllable donor-acceptor neutral [2]rotaxanes. *Chemistry - A European Journal*, **2004**, 10, 6375-92 | 4.8 | 173 |

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|---|---|---|---|
| 166 | Luminescent dendrimers as ligands for metal ions. *Journal of Organometallic Chemistry*, **2004**, 689, 4375-4383 | 2.3 | 27 |
| 165 | Proton-driven self-assembled systems based on cyclam-cored dendrimers and [Ru(bpy)(CN)4]2-. *Journal of the American Chemical Society*, **2004**, 126, 16466-71 | 16.4 | 74 |
| 164 | A molecular elevator. *Science*, **2004**, 303, 1845-9 | 33.3 | 929 |
| 163 | Complete charge pooling is prevented in viologen-based dendrimers by self-protection. *Chemistry - A European Journal*, **2004**, 10, 6361-8 | 4.8 | 41 |
| 162 | Molecular logic circuits. *ChemPhysChem*, **2003**, 4, 49-59 | 3.2 | 246 |
| 161 | Amphiphilic Bistable Rotaxanes. *Chemistry - A European Journal*, **2003**, 9, 2982-3007 | 4.8 | 123 |
| 160 | Controlling multivalent interactions in triply-threaded two-component superbundles. *Chemistry - A European Journal*, **2003**, 9, 5348-60 | 4.8 | 61 |
| 159 | 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 | 3.4 | 24 |
| 158 | Ferrocene-containing carbohydrate dendrimers. *Chemistry - A European Journal*, **2002**, 8, 673-84 | 4.8 | 103 |
| 157 | The bottom-up approach to molecular-level devices and machines. *Chemistry - A European Journal*, **2002**, 8, 5524-32 | 4.8 | 110 |
| 156 | Fluorescent guests hosted in fluorescent dendrimers. *Tetrahedron*, **2002**, 58, 629-637 | 2.4 | 113 |
| 155 | Structure and reactivity of [Ru(2,3-Medpp)2Cl2]2+. *Inorganica Chimica Acta*, **2002**, 333, 25-31 | 2.7 | 3 |
| 154 | Electrochemistry and spectroelectrochemistry of ruthenium(II)-bipyridine building blocks. Different behaviour of the 2,3- and 2,5-bis(2-pyridyl)pyrazine bridging ligands. *Journal of Electroanalytical Chemistry*, **2002**, 532, 99-112 | 4.1 | 47 |
| 153 | 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, 4814-7 | 11.5 | 84 |
| 152 | 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, 12786-95 | 16.4 | 117 |
| 151 | Artificial molecular-level machines. *Chemical Record*, **2001**, 1, 422-35 | 6.6 | 28 |
| 150 | Dual-mode "co-conformational" switching in catenanes incorporating bipyridinium and dialkylammonium recognition sites. *Chemistry - A European Journal*, **2001**, 7, 3482-93 | 4.8 | 68 |
| 149 | Photochemistry and photophysics of Ru(II)?polypyridine complexes in the Bologna group. From early studies to recent developments. *Coordination Chemistry Reviews*, **2001**, 211, 97-115 | 23.2 | 347 |

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| 148 | Spectroscopic and Electrochemical Properties of Catenanes Containing the 2,7-Diazapyrenium Unit. *Supramolecular Chemistry*, **2001**, 13, 303-311 | 1.8 | 19 |
| 147 | Artificial molecular-level machines: which energy to make them work?. *Accounts of Chemical Research*, **2001**, 34, 445-55 | 24.3 | 450 |
| 146 | Molecular-Level Artificial Machines Based on Photoinduced Electron-Transfer Processes **2001**, 163-188 | | 16 |
| 145 | Anthracene-Containing [2]Rotaxanes: Synthesis, Spectroscopic, and Electrochemical Properties. *European Journal of Organic Chemistry*, **2000**, 2000, 591-602 | 3.2 | 53 |
| 144 | Künstliche molekulare Maschinen. *Angewandte Chemie*, **2000**, 112, 3484-3530 | 3.6 | 443 |
| 143 | A photochemically driven molecular-level abacus. *Chemistry - A European Journal*, **2000**, 6, 3558-74 | 4.8 | 267 |
| 142 | Artificial Molecular Machines. *Angewandte Chemie - International Edition*, **2000**, 39, 3348-3391 | 16.4 | 2027 |
| 141 | . *European Journal of Organic Chemistry*, **2000**, 2000, 1121-1130 | 3.2 | 31 |
| 140 | Rigid rod-like molecular wires of nanometric dimension. Electronic energy transfer from a naphthyl to an anthracenyl unit connected by a 1,4-pentaphenylene spacer. *Coordination Chemistry Reviews*, **2000**, 208, 267-275 | 23.2 | 36 |
| 139 | Constructing Molecular Machinery: A Chemically-Switchable [2]Catenane. *Journal of the American Chemical Society*, **2000**, 122, 3542-3543 | 16.4 | 114 |
| 138 | Coordination of Co2+Ions in the Interior of Poly(propylene amine) Dendrimers Containing Fluorescent Dansyl Units in the Periphery. *Journal of the American Chemical Society*, **2000**, 122, 10398-10404 | 16.4 | 125 |
| 137 | Switching of pseudorotaxanes and catenanes incorporating a tetrathiafulvalene unit by redox and chemical inputs. *Journal of Organic Chemistry*, **2000**, 65, 1924-36 | 4.2 | 214 |
| 136 | The electrochemically-driven decomplexation/recomplexation of inclusion adducts of ferrocene derivatives with an electron-accepting receptor. *Journal of Organic Chemistry*, **2000**, 65, 1947-56 | 4.2 | 28 |
| 135 | Tetrathiafulvalenenaphthalenophanes: planar chirality and cis/trans photoisomerization. *Journal of Organic Chemistry*, **2000**, 65, 4120-6 | 4.2 | 34 |
| 134 | Artificial Chemical Systems Capable of Mimicking Some Elementary Properties of Neurons. *Journal of the American Chemical Society*, **2000**, 122, 4496-4498 | 16.4 | 169 |
| 133 | Bottom-up Approach to Nanotechnology: Molecular-Level Devices **2000**, 1-21 | | 1 |
| 132 | Electrochemistry of coordination compounds: an extended view. *Coordination Chemistry Reviews*, **1999**, 185-186, 233-256 | 23.2 | 49 |
| 131 | Molecular architecture in the field of photonic devices. *Coordination Chemistry Reviews*, **1999**, 190-192, 155-169 | 23.2 | 82 |

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|---|---|---|---|
| 130 | 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 |
| 129 | Pseudorotaxanes and Catenanes Containing a Redox-Active Unit Derived from Tetrathiafulvalene. *European Journal of Organic Chemistry*, **1999**, 1999, 985-994 | 3.2 | 50 |
| 128 | Photoactive Azobenzene-Containing Supramolecular Complexes and Related Interlocked Molecular Compounds. *Chemistry - A European Journal*, **1999**, 5, 860-875 | 4.8 | 82 |
| 127 | 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 | 4.8 | 95 |
| 126 | Photochromic flavylium compounds as multistate/multifunction molecular-level systems. *Chemical Communications*, **1999**, 107-114 | 5.8 | 73 |
| 125 | A Three-Pole Supramolecular Switch *Journal of the American Chemical Society*, **1999**, 121, 3951-3957 | 16.4 | 228 |
| 124 | Rotaxanes Incorporating Two Different Coordinating Units in Their Thread: Synthesis and Electrochemically and Photochemically Induced Molecular Motions. *Journal of the American Chemical Society*, **1999**, 121, 4397-4408 | 16.4 | 294 |
| 123 | Electrochemistry of Multicomponent Systems. Redox Series Comprising up to 26 Reversible Reduction Processes in Polynuclear Ruthenium(II) Bipyridine-Type Complexes. *Journal of the American Chemical Society*, **1999**, 121, 10081-10091 | 16.4 | 87 |
| 122 | Dendrimers with a Photoactive and Redox-Active [Ru(bpy)3]2+-Type Core: Photophysical Properties, Electrochemical Behavior, and Excited-State Electron-Transfer Reactions. *Journal of the American Chemical Society*, **1999**, 121, 6290-6298 | 16.4 | 196 |
| 121 | Photonic Wires of Nanometric Dimensions. Electronic Energy Transfer in Rigid Rodlike Ru(bpy)32+-(ph)n-Os(bpy)32+ Compounds (ph = 1,4-Phenylene; n = 3, 5, 7). *Journal of the American Chemical Society*, **1999**, 121, 4207-4214 | 16.4 | 216 |
| 120 | Synthesis, X-ray Structure, and Electrochemical and Excited-State Properties of Multicomponent Complexes Made of a [Ru(Tpy)2]2+ Unit Covalently Linked to a [2]-Catenate Moiety. Controlling the Energy-Transfer Direction by Changing the Catenate Metal Ion. *Journal of the American Chemical Society*, **1999**, 121, 5481-5488 | 16.4 | 49 |
| 119 | Photochemistry and photophysics of coordination compounds: An extended view. *Coordination Chemistry Reviews*, **1998**, 171, 3-16 | 23.2 | 97 |
| 118 | Photoinduced processes in 4?-(9-anthryl)-2,2?:6?,2?-terpyridine, its protonated forms and Zn(II), Ru(II) and Os(II) complexes. *Inorganica Chimica Acta*, **1998**, 277, 225-231 | 2.7 | 122 |
| 117 | Ein chemisch und elektrochemisch schaltbares [2]Catenan mit Tetrathiafulvalen-Einheit. *Angewandte Chemie*, **1998**, 110, 357-361 | 3.6 | 62 |
| 116 | The Synthesis and Spectroscopic Properties of Macrocyclic Polyethers Containing Two Different Aromatic Moieties and Their [2]Catenanes Incorporating Cyclobis(paraquat-p-phenylene). *Chemistry - A European Journal*, **1998**, 4, 449-459 | 4.8 | 22 |
| 115 | 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 | 4.8 | 52 |
| 114 | Azobenzene-Functionalized Cascade Molecules: Photoswitchable Supramolecular Systems. *Chemistry - A European Journal*, **1998**, 4, 699-706 | 4.8 | 193 |
| 113 | Selective Self-Assembly and Acid–Base Controlled De-/Rethreading of Pseudorotaxanes Constructed Using Multiple Recognition Motifs. *Chemistry - A European Journal*, **1998**, 4, 2332-2341 | 4.8 | 32 |

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| 112 | 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 | 4.8 | 68 |
| 111 | A Chemically and Electrochemically Switchable [2]Catenane Incorporating a Tetrathiafulvalene Unit. *Angewandte Chemie - International Edition*, **1998**, 37, 333-337 | 16.4 | 280 |
| 110 | Electrochemical and Photochemical Properties of Metal-Containing Dendrimers. *Topics in Current Chemistry*, **1998**, 193-228 | | 103 |
| 109 | Aggregation of self-assembling branched [n]rotaxanes. *New Journal of Chemistry*, **1998**, 22, 959-972 | 3.6 | 58 |
| 108 | Simple molecular-level machines. Interchange between different threads in pseudorotaxanes. *New Journal of Chemistry*, **1998**, 22, 1061-1065 | 3.6 | 76 |
| 107 | A Light-Fueled Piston Cylinder Molecular-Level Machine. *Journal of the American Chemical Society*, **1998**, 120, 11190-11191 | 16.4 | 104 |
| 106 | Acid Base Controllable Molecular Shuttles *Journal of the American Chemical Society*, **1998**, 120, 11932-11942 | 16.4 | 308 |
| 105 | Molecular Machines. *Accounts of Chemical Research*, **1998**, 31, 405-414 | 24.3 | 671 |
| 104 | Toward Photoswitchable Dendritic Hosts. Interaction between Azobenzene-Functionalized Dendrimers and Eosin. *Journal of the American Chemical Society*, **1998**, 120, 12187-12191 | 16.4 | 206 |
| 103 | Designing Dendrimers Based on Transition-Metal Complexes. Light-Harvesting Properties and Predetermined Redox Patterns. *Accounts of Chemical Research*, **1998**, 31, 26-34 | 24.3 | 777 |
| 102 | The Slipping Approach to Self-Assembling [n]Rotaxanes *Journal of the American Chemical Society*, **1997**, 119, 302-310 | 16.4 | 131 |
| 101 | Photochromism of 4 Methoxyflavylium Perchlorate. A Write Lock Read Unlock Erase Molecular Switching System. *Journal of the American Chemical Society*, **1997**, 119, 5556-5561 | 16.4 | 144 |
| 100 | Anion Selective Recognition and Sensing by Novel Macrocyclic Transition Metal Receptor Systems. 1H NMR, Electrochemical, and Photophysical Investigations. *Journal of the American Chemical Society*, **1997**, 119, 11864-11875 | 16.4 | 261 |
| 99 | Controlling Catenations, Properties and Relative Ring-Component Movements in Catenanes with Aromatic Fluorine Substituents *Journal of the American Chemical Society*, **1997**, 119, 12503-12513 | 16.4 | 63 |
| 98 | Electrochemically and Photochemically Driven Ring Motions in a Disymmetrical Copper [2]-Catenate. *Journal of the American Chemical Society*, **1997**, 119, 12114-12124 | 16.4 | 213 |
| 97 | Photoinduced Processes in Dyads Made of a Porphyrin Unit and a Ruthenium Complex. *Journal of Physical Chemistry B*, **1997**, 101, 5936-5943 | 3.4 | 77 |
| 96 | Hydrogen-Bonded Complexes of Aromatic Crown Ethers with (9-Anthracenyl)methylammonium Derivatives. Supramolecular Photochemistry and Photophysics. pH-Controllable Supramolecular Switching *Journal of the American Chemical Society*, **1997**, 119, 10641-10651 | 16.4 | 99 |
| 95 | Logic Operations at the Molecular Level. An XOR Gate Based on a Molecular Machine. *Journal of the American Chemical Society*, **1997**, 119, 2679-2681 | 16.4 | 463 |

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|---|---|---|---|
| 94 | Photoprocesses. *Current Opinion in Chemical Biology*, **1997**, 1, 506-13 | 9.7 | 40 |
| 93 | Synthesis and Photophysical Properties of New 2,2?-Bipyridine-Bridged Bis[ruthenium(II)tris-2,2?-bipyridine] Complexes. *Chemische Berichte*, **1997**, 130, 529-534 | | 6 |
| 92 | Simple Mechanical Molecular and Supramolecular Machines: Photochemical and Electrochemical Control of Switching Processes. *Chemistry - A European Journal*, **1997**, 3, 152-170 | 4.8 | 182 |
| 91 | Dendritic Bipyridine Ligands and Their Tris(Bipyridine)Ruthenium(II) ChelatesSyntheses, Absorption Spectra, and Photophysical Properties. *Chemistry - A European Journal*, **1997**, 3, 706-712 | 4.8 | 162 |
| 90 | Electrochemically Induced Molecular Motions in Pseudorotaxanes: A Case of Dual-Mode (Oxidative and Reductive) Dethreading. *Chemistry - A European Journal*, **1997**, 3, 1992-1996 | 4.8 | 134 |
| 89 | Bottom Up Construction of Photochemical Molecular Devices by Modular Chemistry **1997**, 433-449 | | 2 |
| 88 | Rigid Rodlike Dinuclear Ru/Os Complexes of a Novel Bridging Ligand. Intercomponent Energy and Electron-Transfer Processes. *The Journal of Physical Chemistry*, **1996**, 100, 16786-16788 | | 57 |
| 87 | Self-Assembly of [n]Rotaxanes Bearing Dendritic Stoppers?. *Journal of the American Chemical Society*, **1996**, 118, 12012-12020 | 16.4 | 111 |
| 86 | Self-Assembly, Spectroscopic, and Electrochemical Properties of [n]Rotaxanes1. *Journal of the American Chemical Society*, **1996**, 118, 4931-4951 | 16.4 | 173 |
| 85 | Electronic energy transfer in adducts of aromatic crown ethers with protonated 9-methylaminomethylanthracene. *Chemical Communications*, **1996**, 2011 | 5.8 | 19 |
| 84 | Switchable photoreduction pathways of antimony(V) tetraphenylporphyrin. A potential multielectron transfer photosensitizer. *Chemical Communications*, **1996**, 1643-1644 | 5.8 | 30 |
| 83 | Luminescent and Redox-Active Polynuclear Transition Metal Complexes. *Chemical Reviews*, **1996**, 96, 759-834 | 68.1 | 1944 |
| 82 | Einfache molekulare Maschinen: chemisch gesteuertes Ausf□deln und R□keinf□deln eines [2]Pseudorotaxans. *Angewandte Chemie*, **1996**, 108, 1056-1059 | 3.6 | 21 |
| 81 | Simple Molecular Machines: Chemically Driven Unthreading and Rethreading of a [2]Pseudorotaxane. *Angewandte Chemie International Edition in English*, **1996**, 35, 978-981 | | 85 |
| 80 | Supramolecular Photochemistry: Recent Advances **1996**, 163-177 | | 2 |
| 79 | Dendrimers based on metal complexes. *Advances in Dendritic Macromolecules*, **1996**, 61-113 | | 11 |
| 78 | Photoinduced energy- and electron-transfer processes in dinuclear ruthenium(II) and/or osmium(II) complexes connected by a linear rigid bis-chelating bridge. *Recueil Des Travaux Chimiques Des Pays-Bas*, **1995**, 114, 534-541 | | 39 |
| 77 | Dinuclear ruthenium(II) and/or osmium(II) complexes of a non-symmetric bis-chelating quaterpyridine ligand. Synthesis, electrochemical behaviour, absorption spectra, luminescence properties and intercomponent energy transfer. *Journal of the Chemical Society Dalton Transactions* , **1995**, 3601 | | 26 |

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|---|---|---|---|
| 76 | Molecular Meccano. 4. The Self-Assembly of [2]Catenanes Incorporating Photoactive .pi.-Extended Systems. *Journal of the American Chemical Society*, **1995**, 117, 11171-11197 | 16.4 | 134 |
| 75 | Complexes of the Ruthenium(II)-2,2':6',2''-terpyridine Family. Effect of Electron-Accepting and -Donating Substituents on the Photophysical and Electrochemical Properties. *Inorganic Chemistry*, **1995**, 34, 2759-2767 | 5.1 | 394 |
| 74 | Electronic energy transfer in supramolecular species. Self-poisoning and self-educating systems. *Supramolecular Chemistry*, **1995**, 5, 297-299 | 1.8 | 14 |
| 73 | Catenated Cyclodextrins. *Chemistry - A European Journal*, **1995**, 1, 33-55 | 4.8 | 81 |
| 72 | Dendrimers of Nanometer Size Based on Metal Complexes: Luminescent and Redox-Active Polynuclear Metal Complexes Containing up to Twenty-Two Metal Centers. *Chemistry - A European Journal*, **1995**, 1, 211-221 | 4.8 | 189 |
| 71 | Electronic Energy Transfer in a Supramolecular Species Containing the [Ru(bpy)3]2+, [Os(bpy)3]2+, and Anthracene Chromophoric Units. *Angewandte Chemie International Edition in English*, **1995**, 34, 595-598 | | 84 |
| 70 | Photophysical properties of a dinuclear rack-type Ru(II) complex and of its components. *Chemical Physics Letters*, **1995**, 243, 102-107 | 2.5 | 23 |
| 69 | Harvesting sunlight by artificial supramolecular antennae. *Solar Energy Materials and Solar Cells*, **1995**, 38, 159-173 | 6.4 | 76 |
| 68 | Dendritic Polynuclear Metal Complexes with Made-to-Order Luminescent and Redox Properties **1995**, 69-106 | | 7 |
| 67 | Photoinduced Processes in Dinuclear Complexes Containing Rigid Bridging Ligands. *Molecular Crystals and Liquid Crystals*, **1994**, 252, 97-104 | | 4 |
| 66 | Ruthenium(II) and Osmium(II) Bis(terpyridine) Complexes in Covalently-Linked Multicomponent Systems: Synthesis, Electrochemical Behavior, Absorption Spectra, and Photochemical and Photophysical Properties. *Chemical Reviews*, **1994**, 94, 993-1019 | 68.1 | 1291 |
| 65 | Rigid Rod-Like Dinuclear Ru(II)/Os(II) Terpyridine-Type Complexes. Electrochemical Behavior, Absorption Spectra, Luminescence Properties, and Electronic Energy Transfer through Phenylene Bridges. *Journal of the American Chemical Society*, **1994**, 116, 7692-7699 | 16.4 | 217 |
| 64 | Tetranuclear Bimetallic Complexes of Ruthenium, Osmium, Rhodium, and Iridium. Synthesis, Absorption Spectra, Luminescence, and Electrochemical Properties. *Journal of the American Chemical Society*, **1994**, 116, 9086-9091 | 16.4 | 133 |
| 63 | The self assembly of controllable [2]catenanes. *Journal of the Chemical Society Chemical Communications*, **1994**, 177-180 | | 41 |
| 62 | Supramolecular Photochemistry and Photophysics. A [3]-Catenand and its Mononuclear and Homo- and Heterodinuclear [3]-Catenates. *Journal of the American Chemical Society*, **1994**, 116, 5211-5217 | 16.4 | 65 |
| 61 | Near-Infrared Luminescence of Supramolecular Species Consisting of Osmium(II)- and/or Ruthenium(II)-Polypyridine Components. *Inorganic Chemistry*, **1994**, 33, 1491-1496 | 5.1 | 68 |
| 60 | Supramolecular Photochemistry and Photophysics. Energy- Conversion and Information-Processing Devices based on Transition Metal Complexes **1994**, 1-32 | | 25 |
| 59 | Dinuclear Complexes of Ru and Os Containing A Rigid Bridging Ligand: Photophysical Properties and Photoinduced Energy Transfer. *Molecular Crystals and Liquid Crystals*, **1993**, 234, 115-120 | | 2 |

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| 58 | Photoinduced energy and electron transfer processes in supramolecular species, tris(bipyridine) complexes of ruthenium(II)/osmium(II), Ru(II)/Ru(III), Os(II)/Os(III), and Ru(II)/Os(III) separated by a rigid spacer. *Inorganic Chemistry*, **1993**, 32, 5228-5238 | 5.1 | 122 |
| 57 | Supramolecular ruthenium and/or osmium complexes of tris(bipyridine) bridging ligands. Syntheses, absorption spectra, luminescence properties, electrochemical behavior, intercomponent energy, and electron transfer. *Journal of the American Chemical Society*, **1993**, 115, 4076-4086 | 16.4 | 84 |
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