

# Vincenzo Balzani

## List of Publications by Year in descending order

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181  
papers

31,645  
citations

4370

86  
h-index

4628

170  
g-index

231  
all docs

231  
docs citations

231  
times ranked

16848  
citing authors

#	ARTICLE	IF	CITATIONS
1	Artificial Molecular Machines. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 3348-3391.	7.2	2,309
2	Luminescent and Redox-Active Polynuclear Transition Metal Complexes. <i>Chemical Reviews</i> , 1996, 96, 759-834.	23.0	2,200
3	Ruthenium(II) and Osmium(II) Bis(terpyridine) Complexes in Covalently-Linked Multicomponent Systems: Synthesis, Electrochemical Behavior, Absorption Spectra, and Photochemical and Photophysical Properties. <i>Chemical Reviews</i> , 1994, 94, 993-1019.	23.0	1,459
4	A Molecular Elevator. <i>Science</i> , 2004, 303, 1845-1849.	6.0	991
5	Designing Dendrimers Based on Transition-Metal Complexes. Light-Harvesting Properties and Predetermined Redox Patterns. <i>Accounts of Chemical Research</i> , 1998, 31, 26-34.	7.6	884
6	Molecular meccano. 1. [2]Rotaxanes and a [2]catenane made to order. <i>Journal of the American Chemical Society</i> , 1992, 114, 193-218.	6.6	806
7	The Hydrogen Issue. <i>ChemSusChem</i> , 2011, 4, 21-36.	3.6	772
8	Molecular Machines. <i>Accounts of Chemical Research</i> , 1998, 31, 405-414.	7.6	763
9	Photochemistry and Photophysics of Coordination Compounds: Ruthenium. , 2007, , 117-214.		703
10	Molecular devices and machines. <i>Nano Today</i> , 2007, 2, 18-25.	6.2	593
11	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.	6.6	525
12	Artificial Molecular-Level Machines: Which Energy To Make Them Work?. <i>Accounts of Chemical Research</i> , 2001, 34, 445-455.	7.6	512
13	Light powered molecular machines. <i>Chemical Society Reviews</i> , 2009, 38, 1542.	18.7	474
14	Autonomous artificial nanomotor powered by sunlight. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 1178-1183.	3.3	460
15	Complexes of the Ruthenium(II)-2,2':6',2''-terpyridine Family. Effect of Electron-Accepting and -Donating Substituents on the Photophysical and Electrochemical Properties. <i>Inorganic Chemistry</i> , 1995, 34, 2759-2767.	1.9	443
16	Towards an electricity-powered world. <i>Energy and Environmental Science</i> , 2011, 4, 3193.	15.6	397
17	Photochemistry and photophysics of Ru(II)-polypyridine complexes in the Bologna group. From early studies to recent developments. <i>Coordination Chemistry Reviews</i> , 2001, 211, 97-115.	9.5	383
18	Bimolecular electron transfer reactions of the excited states of transition metal complexes. , 1978, , 1-64.		372

#	ARTICLE	IF	CITATIONS
19	Acid-Base Controllable Molecular Shuttles. Journal of the American Chemical Society, 1998, 120, 11932-11942.	6.6	346
20	A Chemically and Electrochemically Switchable [2]Catenane Incorporating a Tetrathiafulvalene Unit. Angewandte Chemie - International Edition, 1998, 37, 333-337.	7.2	328
21	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.	6.6	328
22	A photochemically driven molecular-level abacus. Chemistry - A European Journal, 2000, 6, 3558-3574.	1.7	316
23	Decanuclear homo- and heterometallic polypyridine complexes: syntheses, absorption spectra, luminescence, electrochemical oxidation, and intercomponent energy transfer. Journal of the American Chemical Society, 1992, 114, 2944-2950.	6.6	313
24	Solar Electricity and Solar Fuels: Status and Perspectives in the Context of the Energy Transition. Chemistry - A European Journal, 2016, 22, 32-57.	1.7	303
25	Anion Selective Recognition and Sensing by Novel Macrocyclic Transition Metal Receptor Systems. <sup>1</sup> H NMR, Electrochemical, and Photophysical Investigations. Journal of the American Chemical Society, 1997, 119, 11864-11875.	6.6	297
26	Operating Molecular Elevators. Journal of the American Chemical Society, 2006, 128, 1489-1499.	6.6	280
27	A Three-Pole Supramolecular Switch. Journal of the American Chemical Society, 1999, 121, 3951-3957.	6.6	275
28	Molecular Logic Circuits. ChemPhysChem, 2003, 4, 49-59.	1.0	262
29	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.	6.6	257
30	Ru(II)-bipyridine complexes in supramolecular systems, devices and machines. Coordination Chemistry Reviews, 2006, 250, 1254-1266.	9.5	254
31	Switching of Pseudorotaxanes and Catenanes Incorporating a Tetrathiafulvalene Unit by Redox and Chemical Inputs. Journal of Organic Chemistry, 2000, 65, 1924-1936.	1.7	251
32	A Photochemically Driven Molecular Machine. Angewandte Chemie International Edition in English, 1993, 32, 1301-1303.	4.4	248
33	Photonic Wires of Nanometric Dimensions. Electronic Energy Transfer in Rigid Rodlike Ru(bpy) <sub>3</sub> <sup>2+</sup> -(ph) <sub>n</sub> -Os(bpy) <sub>3</sub> <sup>2+</sup> Compounds (ph = 1,4-Phenylene; n = 3, 5, 7). Journal of the American Chemical Society, 1999, 121, 4207-4214.	6.6	248
34	Electrochemically and Photochemically Driven Ring Motions in a Disymmetrical Copper [2]-Catenate. Journal of the American Chemical Society, 1997, 119, 12114-12124.	6.6	247
35	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.	1.7	239
36	Toward Photoswitchable Dendritic Hosts. Interaction between Azobenzene-Functionalized Dendrimers and Eosin. Journal of the American Chemical Society, 1998, 120, 12187-12191.	6.6	233

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37	Dendrimers with a Photoactive and Redox-Active [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> -Type Core: Photophysical Properties, Electrochemical Behavior, and Excited-State Electron-Transfer Reactions. <i>Journal of the American Chemical Society</i> , 1999, 121, 6290-6298.	6.6	224
38	Artificial nanomachines based on interlocked molecular species: recent advances. <i>Chemical Society Reviews</i> , 2006, 35, 1135.	18.7	224
39	Simple Mechanical Molecular and Supramolecular Machines: Photochemical and Electrochemical Control of Switching Processes. <i>Chemistry - A European Journal</i> , 1997, 3, 152-170.	1.7	212
40	Azobenzene-Functionalized Cascade Molecules: Photoswitchable Supramolecular Systems. <i>Chemistry - A European Journal</i> , 1998, 4, 699-706.	1.7	207
41	Luminescent and redox-reactive building blocks for the design of photochemical molecular devices: mono-, di-, tri-, and tetranuclear ruthenium(II) polypyridine complexes. <i>Inorganic Chemistry</i> , 1990, 29, 4750-4758.	1.9	206
42	Self-Assembly, Spectroscopic, and Electrochemical Properties of [n]Rotaxanes. <i>Journal of the American Chemical Society</i> , 1996, 118, 4931-4951.	6.6	204
43	Vertical and "nonvertical" energy transfer processes. A general classical treatment. <i>Journal of the American Chemical Society</i> , 1980, 102, 2152-2163.	6.6	197
44	Molecular Machines Working on Surfaces and at Interfaces. <i>ChemPhysChem</i> , 2008, 9, 202-220.	1.0	193
45	Artificial Chemical Systems Capable of Mimicking Some Elementary Properties of Neurons. <i>Journal of the American Chemical Society</i> , 2000, 122, 4496-4498.	6.6	190
46	Arborols Based on Luminescent and Redox-Active Transition Metal Complexes. <i>Angewandte Chemie International Edition in English</i> , 1992, 31, 1493-1495.	4.4	189
47	Controllable Donor-Acceptor Neutral [2]Rotaxanes. <i>Chemistry - A European Journal</i> , 2004, 10, 6375-6392.	1.7	185
48	Dendritic Bipyridine Ligands and Their Tris(Bipyridine)Ruthenium(II) Chelates: Syntheses, Absorption Spectra, and Photophysical Properties. <i>Chemistry - A European Journal</i> , 1997, 3, 706-712.	1.7	179
49	Photochromism of 4-Methoxyflavylium Perchlorate. A "Write-Lock-Read-Unlock-Erase" Molecular Switching System. <i>Journal of the American Chemical Society</i> , 1997, 119, 5556-5561.	6.6	171
50	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.	6.6	168
51	Electrochemically Induced Molecular Motions in Pseudorotaxanes: A Case of Dual-Mode (Oxidative) Tj ETQq1 1 0,784314 rgBT /Overl	1.7	164
52	Redox-Controllable Amphiphilic [2]Rotaxanes. <i>Chemistry - A European Journal</i> , 2004, 10, 155-172.	1.7	152
53	The Slipping Approach to Self-Assembling [n]Rotaxanes. <i>Journal of the American Chemical Society</i> , 1997, 119, 302-310.	6.6	150
54	Tetranuclear Bimetallic Complexes of Ruthenium, Osmium, Rhodium, and Iridium. Synthesis, Absorption Spectra, Luminescence, and Electrochemical Properties. <i>Journal of the American Chemical Society</i> , 1994, 116, 9086-9091.	6.6	149

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55	Photochemistry and Photophysics of Coordination Compounds: Overview and General Concepts. , 2007, , 1-36.		149
56	Amphiphilic Bistable Rotaxanes. Chemistry - A European Journal, 2003, 9, 2982-3007.	1.7	147
57	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.	1.9	146
58	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.	1.2	144
59	Coordination of Co <sup>2+</sup> 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.	6.6	143
60	Dicopper(I) trefoil knots and related unknotted molecular systems: influence of ring size and structural factors on their synthesis and electrochemical and excited-state properties. Journal of the American Chemical Society, 1993, 115, 11237-11244.	6.6	135
61	Constructing Molecular Machinery: A Chemically-Switchable [2]Catenane. Journal of the American Chemical Society, 2000, 122, 3542-3543.	6.6	130
62	Self-Assembly of [n]Rotaxanes Bearing Dendritic Stoppers. Journal of the American Chemical Society, 1996, 118, 12012-12020.	6.6	128
63	A Light-Fueled "Piston Cylinder" Molecular-Level Machine. Journal of the American Chemical Society, 1998, 120, 11190-11191.	6.6	128
64	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
65	The Bottom-Up Approach to Molecular-Level Devices and Machines. Chemistry - A European Journal, 2002, 8, 5524-5532.	1.7	128
66	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.	6.6	127
67	Electrochemical and Photochemical Properties of Metal-Containing Dendrimers. Topics in Current Chemistry, 1998, , 193-228.	4.0	120
68	Fluorescent guests hosted in fluorescent dendrimers. Tetrahedron, 2002, 58, 629-637.	1.0	120
69	Processing Energy and Signals by Molecular and Supramolecular Systems. Chemistry - A European Journal, 2008, 14, 26-39.	1.7	120
70	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
71	Photochemistry and photophysics of coordination compounds: An extended view. Coordination Chemistry Reviews, 1998, 171, 3-16.	9.5	116
72	Metal complexes as light absorption and light emission sensitizers. Topics in Current Chemistry, 1990, , 31-71.	4.0	115

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73	Ferrocene-Containing Carbohydrate Dendrimers. <i>Chemistry - A European Journal</i> , 2002, 8, 673-684.	1.7	110
74	Supramolecular ruthenium and/or osmium complexes of tris(bipyridine) bridging ligands. Syntheses, absorption spectra, luminescence properties, electrochemical behavior, intercomponent energy, and electron transfer. <i>Journal of the American Chemical Society</i> , 1993, 115, 4076-4086.	6.6	103
75	Electrochemical and photophysical properties of new triazole-bridged heterobimetallic ruthenium-rhodium and ruthenium-iridium complexes. <i>Inorganic Chemistry</i> , 1992, 31, 3518-3522.	1.9	102
76	Simple Molecular Machines: Chemically Driven Unthreading and Rethreading of a [2]Pseudorotaxane. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 978-981.	4.4	101
77	Electrochemistry of Multicomponent Systems. Redox Series Comprising up to 26 Reversible Reduction Processes in Polynuclear Ruthenium(II) Bipyridine-Type Complexes. <i>Journal of the American Chemical Society</i> , 1999, 121, 10081-10091.	6.6	101
78	Energy-transfer processes of excited states of coordination compounds. <i>Journal of Chemical Education</i> , 1983, 60, 814.	1.1	100
79	Catenated Cyclodextrins. <i>Chemistry - A European Journal</i> , 1995, 1, 33-55.	1.7	99
80	Photoactive Azobenzene-Containing Supramolecular Complexes and Related Interlocked Molecular Compounds. <i>Chemistry - A European Journal</i> , 1999, 5, 860-875.	1.7	99
81	A tridecanuclear ruthenium(II)-polypyridine supramolecular species: synthesis, absorption and luminescence properties and electrochemical oxidation. <i>Inorganic Chemistry</i> , 1992, 31, 2982-2984.	1.9	96
82	Hexanuclear homo- and heterobridged ruthenium(II) polypyridine complexes: syntheses, absorption spectra, luminescence properties, and electrochemical behavior. <i>Inorganic Chemistry</i> , 1991, 30, 3728-3732.	1.9	95
83	Electronic Energy Transfer in a Supramolecular Species Containing the [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> , [Os(bpy) <sub>3</sub> ] <sup>2+</sup> , and Anthracene Chromophoric Units. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 595-598.	4.4	95
84	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, 4814-4817.	3.3	94
85	Rull-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.	1.7	89
86	Molecular architecture in the field of photonic devices. <i>Coordination Chemistry Reviews</i> , 1999, 190-192, 155-169.	9.5	88
87	Harvesting sunlight by artificial supramolecular antennae. <i>Solar Energy Materials and Solar Cells</i> , 1995, 38, 159-173.	3.0	86
88	Simple molecular-level machines. Interchange between different threads in pseudorotaxanes. <i>New Journal of Chemistry</i> , 1998, 22, 1061-1065.	1.4	86
89	Photochromic flavylum compounds as multistate/multifunction molecular-level systems. <i>Chemical Communications</i> , 1999, , 107-114.	2.2	86
90	Photoinduced Processes in Dyads Made of a Porphyrin Unit and a Ruthenium Complex. <i>Journal of Physical Chemistry B</i> , 1997, 101, 5936-5943.	1.2	83

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91	Rigid Rodlike Metal Complexes of Nanometric Dimension: Synthesis, Luminescence Properties, and Long-Range Energy Transfer. <i>Angewandte Chemie International Edition in English</i> , 1993, 32, 1643-1646.	4.4	82
92	Nanoscience and Nanotechnology: A Personal View of a Chemist. <i>Small</i> , 2005, 1, 278-283.	5.2	81
93	Dual-Mode "Co-Conformational" Switching in Catenanes Incorporating Bipyridinium and Dialkylammonium Recognition Sites <i>Molecular Meccano</i> , Part 63. For Part 62, see: R. Ashton, C. L. Brown, J. Cao, Y. Lee, P. Newton, M. Raymo, F. Stoddart, P. White, D. J. Williams, <i>Eur. J. Org. Chem.</i> 2001, 957-965. <i>Chemistry - A European Journal</i> , 2001, 7, 3482.	1.7	79
94	Proton-Driven Self-Assembled Systems Based on Cyclam-Cored Dendrimers and [Ru(bpy)(CN) <sub>4</sub> ] <sup>2-</sup> . <i>Journal of the American Chemical Society</i> , 2004, 126, 16466-16471.	6.6	79
95	Near-Infrared Luminescence of Supramolecular Species Consisting of Osmium(II)- and/or Ruthenium(II)-Polypyridine Components. <i>Inorganic Chemistry</i> , 1994, 33, 1491-1496.	1.9	78
96	Photophysical, photochemical, and electrochemical properties of mononuclear and dinuclear ruthenium(II) complexes containing 2,2'-bipyridine and the 3,5-bis(pyridin-2-yl)-1,2,4-triazolate ion. <i>Inorganic Chemistry</i> , 1989, 28, 4344-4350.	1.9	76
97	Supramolecular Photochemistry and Photophysics. A [3]-Catenand and its Mononuclear and Homo- and Heterodinuclear [3]-Catenates. <i>Journal of the American Chemical Society</i> , 1994, 116, 5211-5217.	6.6	75
98	Artificial Molecular Motors and Machines: Design Principles and Prototype Systems. , 0, , 1-27.		74
99	A new hetero-tetrametallic complex of ruthenium and osmium: absorption spectrum, luminescence properties, and electrochemical behaviour. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 1500.	2.0	73
100	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.	6.6	72
101	Host-Guest Complexes between an Aromatic Molecular Tweezer and Symmetric and Unsymmetric Dendrimers with a 4,4'-Bipyridinium Core. <i>Journal of the American Chemical Society</i> , 2006, 128, 637-648.	6.6	72
102	Electronic spectroscopy of metal complexes with dendritic ligands. <i>Coordination Chemistry Reviews</i> , 2007, 251, 525-535.	9.5	70
103	Mechanistic insights into two-photon-driven photocatalysis in organic synthesis. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 8071-8076.	1.3	69
104	Controlling Multivalent Interactions in Triply-Threaded Two-Component Superbundles. <i>Chemistry - A European Journal</i> , 2003, 9, 5348-5360.	1.7	68
105	Rigid Rodlike Dinuclear Ru/Os Complexes of a Novel Bridging Ligand. Intercomponent Energy and Electron-Transfer Processes. <i>The Journal of Physical Chemistry</i> , 1996, 100, 16786-16788.	2.9	67
106	Absorption and emission properties of a 2-catenand, its protonated forms, and its complexes with Li <sup>+</sup> , Cu <sup>+</sup> , Ag <sup>+</sup> , Co <sup>2+</sup> , Ni <sup>2+</sup> , Zn <sup>2+</sup> , Pd <sup>2+</sup> and Cd <sup>2+</sup> : tuning of the luminescence over the whole visible spectral region. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 3241.	1.1	66
107	Photoredox Catalysis: The Need to Elucidate the Photochemical Mechanism. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12820-12821.	7.2	66
108	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.	1.7	64

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109	Directional energy transfer in a luminescent tetranuclear Ru(II) polypyridine complex that contains two different types of bridging ligands. <i>Inorganica Chimica Acta</i> , 1991, 182, 127-129.	1.2	63
110	Aggregation of self-assembling branched [n]rotaxanes. <i>New Journal of Chemistry</i> , 1998, 22, 959-972.	1.4	62
111	Anthracene-Containing [2]Rotaxanes: Synthesis, Spectroscopic, and Electrochemical Properties. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 591-602.	1.2	62
112	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, 18411-18416.	3.3	62
113	Synthesis, X-ray Structure, and Electrochemical and Excited-State Properties of Multicomponent Complexes Made of a [Ru(Tpy) <sub>2</sub> ] <sup>2+</sup> Unit Covalently Linked to a [2]-Catenate Moiety. Controlling the Energy-Transfer Direction by Changing the Catenate Metal Ion. <i>Journal of the American Chemical Society</i> , 1999, 121, 5481-5488.	6.6	61
114	The self assembly of controllable [2]catenanes. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 177-180.	2.0	60
115	Electrochemistry of coordination compounds: an extended view. <i>Coordination Chemistry Reviews</i> , 1999, 185-186, 233-256.	9.5	59
116	Syntheses, absorption spectra, luminescence properties, and electrochemical behavior of mono- and binuclear ruthenium(II) complexes of isomeric bis(2-pyridyl)pyrazines. <i>Inorganic Chemistry</i> , 1989, 28, 2565-2570.	1.9	58
117	Mononuclear and dinuclear osmium(II) compounds containing 2,2'-bipyridine and 3,5-bis(pyridin-2-yl)-1,2,4-triazole: synthesis, electrochemistry, absorption spectra, and luminescence properties. <i>Inorganic Chemistry</i> , 1991, 30, 641-645.	1.9	58
118	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
119	NEW TRENDS IN THE DESIGN OF LUMINESCENT METAL COMPLEXES*. <i>Photochemistry and Photobiology</i> , 1990, 52, 409-416.	1.3	54
120	Electrochemistry and spectroelectrochemistry of ruthenium(II)-bipyridine building blocks. Different behaviour of the 2,3- and 2,5-bis(2-pyridyl)pyrazine bridging ligands. <i>Journal of Electroanalytical Chemistry</i> , 2002, 532, 99-112.	1.9	51
121	Photoinduced energy and electron transfer processes in dinuclear ruthenium(II) and/or osmium(II) complexes connected by a linear rigid bischelating bridge. <i>Recueil Des Travaux Chimiques Des Pays-Bas</i> , 1995, 114, 534-541.	0.0	50
122	A Molecular Plug-socket Connector. <i>Journal of the American Chemical Society</i> , 2007, 129, 4633-4642.	6.6	47
123	Photoprocesses. <i>Current Opinion in Chemical Biology</i> , 1997, 1, 506-513.	2.8	46
124	Made-to-order control of the direction of electronic energy transfer in tetranuclear luminescent metal complexes. <i>Coordination Chemistry Reviews</i> , 1991, 111, 227-236.	9.5	45
125	Dinuclear europium(3+), terbium(3+) and gadolinium(3+) complexes of a branched hexazacyclooctadecane ligand containing six 2,2'-bipyridine pendant units. <i>Inorganic Chemistry</i> , 1993, 32, 1237-1241.	1.9	45
126	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. <i>Coordination Chemistry Reviews</i> , 2000, 208, 267-275.	9.5	43



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127	Complete Charge Pooling is Prevented in Viologen-Based Dendrimers by Self-Protection. <i>Chemistry - A European Journal</i> , 2004, 10, 6361-6368.	1.7	43
128	A Comparison of Shuttling Mechanisms in Two Constitutionally Isomeric Bistable Rotaxane-Based Sunlight-Powered Nanomotors. <i>Australian Journal of Chemistry</i> , 2006, 59, 193.	0.5	42
129	Endoreceptors with Convergent Phenanthroline Units: A Molecular Cavity for Six Guest Molecules. <i>Angewandte Chemie International Edition in English</i> , 1991, 30, 1333-1336.	4.4	41
130	A heptanuclear ruthenium(II) polypyridine complex: synthesis absorption spectrum, luminescence, electrochemical behavior. <i>Inorganica Chimica Acta</i> , 1990, 176, 175-178.	1.2	40
131	Absorption and Emission Properties of Di- and Trinuclear Ruthenium(II) Rack-Type Complexes. <i>European Journal of Inorganic Chemistry</i> , 1999, 1999, 1409-1414.	1.0	40
132	Tetrathiafulvalenenaphthalenophanes: A Planar Chirality and cis/trans Photoisomerization. <i>Journal of Organic Chemistry</i> , 2000, 65, 4120-4126.	1.7	40
133	Selective Self-Assembly and Acid-Base Controlled De-/Rethreading of Pseudorotaxanes Constructed Using Multiple Recognition Motifs. <i>Chemistry - A European Journal</i> , 1998, 4, 2332-2341.	1.7	39
134	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
135	Artificial molecular-level machines. <i>Chemical Record</i> , 2001, 1, 422-435.	2.9	38
136	Hexanuclear polypyridine complexes containing different metals, bridging ligands and/or terminal ligands. Absorption spectra, electrochemical oxidation, luminescence properties and intercomponent energy transfer. <i>Inorganica Chimica Acta</i> , 1992, 198-200, 507-512.	1.2	37
137	Switchable photoreduction pathways of antimony(V) tetraphenylporphyrin. A potential multielectron transfer photosensitizer. <i>Chemical Communications</i> , 1996, , 1643-1644.	2.2	35
138	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
139	Ruthenium tris(bipyridine) complexes: Interchange between photons and electrons in molecular-scale devices and machines. <i>Coordination Chemistry Reviews</i> , 2021, 433, 213758.	9.5	35
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