Scolastica Serroni

List of Publications by Year
in descending order

86 papers	8,453 citations	53751 45 h-index	51562 86 g-index
91 all docs	91 docs citations	91 times ranked	4905 citing authors

#	Article	IF	Citations
1	Molecular Modelling and Simulations of Lightâ€Harvesting Decanuclear Ruâ€Based Dendrimers for Artificial Photosynthesis. Chemistry - A European Journal, 2022, 28, .	1.7	5
2	Efficient trinuclear Ru(<scp>ii</scp>)â€“Re(<scp>i</scp>) supramolecular photocatalysts for CO₂ reduction based on a new tris-chelating bridging ligand built around a central aromatic ring. Chemical Science, 2020, 11, 1556-1563.	3.7	51
3	New Hybrid Light Harvesting Antenna Based on Silicon Nanowires and Metal Dendrimers. Advanced Optical Materials, 2020, 8, 2001070.	3.6	17
4	Early photophysical events of a ruthenium(II) molecular dyad capable of performing photochemical water oxidation and of its model compounds. Photochemical and Photobiological Sciences, 2019, 18, 2164-2173.	1.6	15
5	Photoâ€•and Redoxâ€Active Metal Dendrimers: A Journey from Molecular Design to Applications and Selfâ€Aggregated Systems. European Journal of Inorganic Chemistry, 2018, 2018, 3887-3899.	1.0	22
6	Artificial, molecular-based light-harvesting antenna systems made of metal dendrimers and multibodipy species. Comptes Rendus Chimie, 2017, 20, 209-220.	0.2	23
7	Red-Emitting [Ru(bpy)₂(N-N)]²⁺ Photosensitizers: Emission from a Ruthenium(II) to 2,2â€²-Bipyridine ³MLCT State in the Presence of Neutral Ancillary â€œSuper Donorâ€•Ligands. Inorganic Chemistry, 2014, 53, 1679-1689.	1.9	33
8	Near infra-red emitting Ru(<scp>ii</scp>) complexes of tridentate ligands: electrochemical and photophysical consequences of a strong donor ligand with large bite angles. Chemical Science, 2014, 5, 4800-4811.	3.7	49
9	Photophysical properties of an unusual bichromophoric species constructed from a cyclometalated Pt(<scp>ii</scp>) chromophore and a blue Bodipy-acetylacetonate species. Dalton Transactions, 2014, 43, 17647-17658.	1.6	13
10	Cell internalization of BODIPY-based fluorescent dyes bearing carbohydrate residues. Dyes and Pigments, 2014, 110, 67-71.	2.0	38
11	Synthesis, photophysical and redox behavior of unsymmetrical binuclear Ru(II) complexes based on tris(1-pyrazolyl)methane. Inorganica Chimica Acta, 2013, 398, 19-27.	1.2	10
12	Changing the Role of 2,2â€²-Bipyridine from Secondary Ligand to Protagonist in [Ru(bpy)2(Nâˆ’N)]2+Complexes: Low-Energy, Red Emission from a Ruthenium(II)-to-2,2â€²-Bipyridine3MLCT State. Inorganic Chemistry, 2011, 50, 7-9.	1.9	16
13	Dinuclear Ru(ii) complexes of bis-(dipyrid-2â€²-yl)triazine (bis-dpt) ligands as efficient electron reservoirs. Chemical Communications, 2011, 47, 3586.	2.2	28
14	Photoinduced water oxidation using dendrimeric Ru(II) complexes as photosensitizers. Coordination Chemistry Reviews, 2011, 255, 2594-2601.	9.5	118
15	Dinuclear Tris(1-pyrazolyl)methane Complexes of Ruthenium(II). European Journal of Inorganic Chemistry, 2011, 2011, 709-720.	1.0	8
16	Heteropolymetallic complexes containing 1,1â€²-diphenylphosphino-ferrocene. Inorganica Chimica Acta, 2007, 360, 1929-1934.	1.2	7
17	A New Heptanuclear Dendritic Ruthenium(II) Complex Featuring Photoinduced Energy Transfer Across High-Energy Subunits. ChemPhysChem, 2005, 6, 129-138.	1.0	56
18	195Pt NMR of Heteropolymetallic Complexes Containing Secondary Dithiooxamides as Binucleating Ligands. Inorganic Chemistry, 2005, 44, 6717-6724.	1.9	14

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19	Ultrafast singlet energy transfer competes with intersystem crossing in a multi-center transition metal polypyridine complex. Chemical Physics Letters, 2004, 386, 336-341.	1.2	50
20	New paradigm of transition metal polypyridine complex photochemistry. Faraday Discussions, 2004, 127, 295-305.	1.6	33
21	Photoinduced Electron Transfer between the Interlocked Components of Porphyrin Catenanes: Effect of the Presence of Nonequivalent Reduction Sites on the Charge Recombination Rate. Chemistry - A European Journal, 2003, 9, 2649-2659.	1.7	61
22	Homo- and Heterometallic[2Ã—2] Grid Arrays Containing RuII, OsII, and FeII Subunits and their Mononuclear RuII and OsII Precursors: Synthesis, Absorption Spectra, Redox Behavior, and Luminescence Properties. Chemistry - A European Journal, 2003, 9, 5936-5946.	1.7	68
23	Dendrimers made of Ru(II) and Os(II) polypyridine subunits as artificial light-harvesting antennae. Comptes Rendus Chimie, 2003, 6, 883-893.	0.2	36
24	Primary charge separation in photoinduced multielectron storage systems. A dinuclear ruthenium(ii) species featuring a charge-separated state with a lifetime of 1.3 Âµs. Chemical Communications, 2003, , 1658-1659.	2.2	32
25	Electronic Absorption Spectrum and Reduction Behavior of a Multicomponent, Trinuclear Ru(II) Species Containing 2,3-Bis(2'-pyridyl)pyrazine Bridging Ligands and 2,2'-Biquinoline Peripheral Ligands. Collection of Czechoslovak Chemical Communications, 2003, 68, 1677-1686.	1.0	7
26	Ultrafast Energy Transfer in Binuclear Ruthenium–Osmium Complexes as Models for Light-harvesting Antennas. Journal of Physical Chemistry A, 2002, 106, 4312-4319.	1.1	71
27	Proton Controlled Intramolecular Communication in Dinuclear Ruthenium(II) Polypyridine Complexes. Inorganic Chemistry, 2002, 41, 2871-2878.	1.9	54
28	Dinuclear Ruthenium(II) Polypyridyl Complexes Containing Large, Redox-Active, Aromatic Bridging Ligands:â€‰ Synthesis, Characterization, and Intramolecular Quenching of MLCT Excited States. Inorganic Chemistry, 2002, 41, 2471-2476.	1.9	140
29	Ruthenium Photocatalysts Capable of Reversibly Storing up to Four Electrons in a Single Acceptor Ligand: A Step Closer to Artificial Photosynthesis. Angewandte Chemie, 2002, 114, 3317-3319.	1.6	45
30	Coupling of Metal-Based Light-Harvesting Antennas and Electron-Donor Subunits: Trinuclear Ruthenium(II) Complexes Containing Tetrathiafulvalene-Substituted Polypyridine Ligands. Chemistry - A European Journal, 2002, 8, 4461-4469.	1.7	63
31	Ruthenium Photocatalysts Capable of Reversibly Storing up to Four Electrons in a Single Acceptor Ligand: A Step Closer to Artificial Photosynthesis. Angewandte Chemie - International Edition, 2002, 41, 3185-3187.	7.2	156
32	Synthesis and Characterization of Dirhodium(II,II)–Porphyrin-Based Multiredox Systems. European Journal of Inorganic Chemistry, 2002, 2002, 79-86.	1.0	22
33	Structure and reactivity of [Ru(2,3-Medpp)2Cl2]2+. Inorganica Chimica Acta, 2002, 333, 25-31.	1.2	3
34	Recent advances in luminescent polymetallic dendrimers containing the 2,3-bis(2â€²-pyridyl)pyrazine bridging ligand. Coordination Chemistry Reviews, 2002, 229, 67-74.	9.5	79
35	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.	1.9	51
36	A New Polytopic Bis-diazacrown-ether-polypyridine Ligand and Its Complexes with Zn(II) Salts and Mononuclear and Dendritic Ru(II) Precursors. Synthesis, Absorption Spectra, Redox Behavior, and Luminescence Properties. Inorganic Chemistry, 2001, 40, 6901-6909.	1.9	31

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37	New ruthenium(II) and osmium(II) trinuclear dendrons. Synthesis, redox behavior, absorption spectra, and luminescence properties. Dalton Transactions RSC, 2001, , 1035-1042.	2.3	24
38	Novel Dinuclear Luminescent Compounds Based on Iridium(III) Cyclometalated Chromophores and Containing Bridging Ligands with Ester-Linked Chelating SitesÂ§. Inorganic Chemistry, 2001, 40, 1093-1101.	1.9	78
39	Polynuclear Polypyridine Complexes Incorporating Ru(II), Os(II), and Pt(II):Â Decanuclear Dendrimeric Antennas. Inorganic Chemistry, 2001, 40, 3318-3323.	1.9	50
40	Dendrimers based on photoactive metal complexes. Recent advances. Coordination Chemistry Reviews, 2001, 219-221, 545-572.	9.5	229
41	Title is missing!. Chemical Society Reviews, 2001, 30, 367-375.	18.7	165
42	Title is missing!. Chemical Communications, 2001, , 2634-2635.	2.2	32
43	Dendrimers Based on Electroactive Metal Complexes. A Review of Recent Advances. Collection of Czechoslovak Chemical Communications, 2001, 66, 1-32.	1.0	42
44	Ni(0) catalysed homo-coupling reactions: a novel route towards the synthesis of multinuclear ruthenium polypyridine complexes featuring made-to-order properties. Inorganic Chemistry Communication, 2000, 3, 42-44.	1.8	35
45	New luminescent and redox-active homometallic dinuclear iridium(III), ruthenium(II) and osmium(II) complexes prepared by metal-catalyzed coupling reactions. Chemical Communications, 2000, , 2297-2298.	2.2	44
46	Self-Assembly of Square Molecular Boxes Containing Dirhodium(II,II) Units. European Journal of Inorganic Chemistry, 2000, 2000, 1371-1375.	1.0	35
47	Controlling the Direction of Photoinduced Energy Transfer in Multicomponent Species. Chemistry - A European Journal, 1999, 5, 3523-3527.	1.7	40
48	Synthesis, Structure, Photophysical Properties, and Redox Behavior of Cyclometalated Complexes of Iridium(III) with Functionalized 2,2â€˜-Bipyridines. Inorganic Chemistry, 1999, 38, 2250-2258.	1.9	184
49	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.	6.6	101
50	Absorption Spectra, Photophysical Properties, and Redox Behavior of Stereochemically Pure Dendritic Ruthenium(II) Tetramers and Related Dinuclear and Mononuclear Complexes. Inorganic Chemistry, 1999, 38, 692-701.	1.9	118
51	Crystal and molecular structure of [Ru(bpy)2(2,3-dpp)]Cl2Â·3H2OÂ·CH3CN and 1H and 99Ru NMR spectra of [Ru(bpy)2(2,n-dpp)][PF6]2 (bpy=2,2â€²-bipyridine, dpp=bis (2-pyridyl)pyrazine, n=3 or 5). Inorganica Chimica Acta, 1998, 275-276, 320-326.	1.2	14
52	Electrochemical and Photochemical Properties of Metal-Containing Dendrimers. Topics in Current Chemistry, 1998, , 193-228.	4.0	120
53	Dinuclear and Dendritic Polynuclear Ruthenium(II) and Osmium(II) Polypyridine Complexes:â€‰ Electrochemistry at Very Positive Potentials in Liquid SO2. Journal of the American Chemical Society, 1998, 120, 5480-5487.	6.6	69
54	Electrochemistry at Very Positive Potentials in Liquid SO2. Mononuclear RuII and OsII Polypyridine Complexes. Inorganic Chemistry, 1998, 37, 2829-2832.	1.9	19

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55	Designing Dendrimers Based on Transition-Metal Complexes. Light-Harvesting Properties and Predetermined Redox Patterns. Accounts of Chemical Research, 1998, 31, 26-34.	7.6	884
56	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
57	A Tetranuclear Ruthenium(II) Complex Containing both Electron-Rich and Electron-Poor Bridging Ligands. Absorption Spectrum, Luminescence, Redox Behavior, and Intercomponent Energy Transfer. Inorganic Chemistry, 1996, 35, 4513-4518.	1.9	65
58	Luminescent and Redox-Active Polynuclear Transition Metal Complexes. Chemical Reviews, 1996, 96, 759-834.	23.0	2,200
59	Dendrimers based on metal complexes. Advances in Dendritic Macromolecules, 1996, , 61-113.	0.6	14
60	Dendrimers of Nanometer Size Based on Metal Complexes: Luminescent and Redoxâ€Active Polynuclear Metal Complexes Containing up to Twentyâ€Two Metal Centers. Chemistry - A European Journal, 1995, 1, 211-221.	1.7	239
61	Harvesting sunlight by artificial supramolecular antennae. Solar Energy Materials and Solar Cells, 1995, 38, 159-173.	3.0	86
62	Protected building blocks for luminescent and redox-active dendritic metal complexes. Excited state properties and electrochemical behaviour. Canadian Journal of Chemistry, 1995, 73, 1875-1882.	0.6	25
63	Aggregation in Fluid Solution of Dendritic Supermolecules made of Ruthenium(II)- and Osmium(II)-Polypyridine Building Blocks. Journal of the American Chemical Society, 1995, 117, 1754-1758.	6.6	47
64	Absorption Spectra, Luminescence Properties, and Electrochemical Behavior of Cyclometalated Iridium(III) and Rhodium(III) Complexes with a Bis(pyridyl)triazole Ligand. Inorganic Chemistry, 1995, 34, 541-545.	1.9	100
65	Bottom-up strategy to obtain luminescent and redox-active metal complexes of nanometric dimensions. Coordination Chemistry Reviews, 1994, 132, 1-13.	9.5	66
66	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.	6.6	149
67	Near-Infrared Luminescence of Supramolecular Species Consisting of Osmium(II)- and/or Ruthenium(II)-Polypyridine Components. Inorganic Chemistry, 1994, 33, 1491-1496.	1.9	78
68	Characterization of merand fac isomers of [Ru(2,3-dpp)3][PF6]2 (2,3-dpp=2,3-bis(2-pyridyl)pyrazine) by 1H and 99Ru NMR spectroscopy. Proton assignment by 2D techniques. Inorganica Chimica Acta, 1993, 205, 145-148.	1.2	28
69	Redox processes of ruthenium (II) polypyridine complexes induced by fast-atom bombardment mass spectrometry. Journal of the American Society for Mass Spectrometry, 1993, 4, 306-311.	1.2	17
70	Supramolecular photochemistry. Luminescent and redox active dendritic polynuclear metal complexes. Journal of Chemical Sciences, 1993, 105, 421-434.	0.7	7
71	â€œSmall-Upwardâ€•Approach to Nanostructures: Dendritic Polynuclear Metal Complexes For Light Harvesting. Molecular Crystals and Liquid Crystals, 1993, 234, 79-88.	0.3	13
72	Electrochemical reduction of (2,2'-bipyridine)- and bis((2-pyridyl)pyrazine)ruthenium(II) complexes used as building blocks for supramolecular species. Redox series made of 8, 10, and 12 redox steps. Inorganic Chemistry, 1993, 32, 3003-3009.	1.9	70

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73	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
74	A tridecanuclear ruthenium(II)-polypyridine supramolecular species: synthesis, absorption and luminescence properties and electrochemical oxidation. Inorganic Chemistry, 1992, 31, 2982-2984.	1.9	96
75	New procedures for the synthesis of mixed-metal and/or mixed-ligand ruthenium(II) and osmium(II) polypyridine supramolecules and the use of these procedures in the preparation of hexanuclear species. Inorganic Chemistry, 1992, 31, 4251-4255.	1.9	65
76	Hexanuclear polypyridine complexes containing different metals, bridging ligands and/or terminal ligands. Absorption spectra, electrochemical oxidation, luminescence properties and intercomponent energy transfer. Inorganica Chimica Acta, 1992, 198-200, 507-512.	1.2	37
77	Arborols Based on Luminescent and Redox-Active Transition Metal Complexes. Angewandte Chemie International Edition in English, 1992, 31, 1493-1495.	4.4	189
78	Arborole aus vielen lumineszierenden und redoxâ€aktiven Ãœbergangsmetallkomplexfragmenten. Angewandte Chemie, 1992, 104, 1540-1542.	1.6	57
79	Supramolecular Photochemistry: Antenna Effect in Polynuclear Metal Complexes. , 1992, , 233-252.		11
80	A decanuclear ruthenium(II)â€“polypyridine complex: synthesis, absorption spectrum, luminescence and electrochemical behaviour. Journal of the Chemical Society Chemical Communications, 1991, .	2.0	23
81	Hexanuclear homo- and heterobridged ruthenium(II) polypyridine complexes: syntheses, absorption spectra, luminescence properties, and electrochemical behavior. Inorganic Chemistry, 1991, 30, 3728-3732.	1.9	95
82	Directional energy transfer in a luminescent tetranuclear Ru(II) polypyridine complex that contains two different types of bridging ligands. Inorganica Chimica Acta, 1991, 182, 127-129.	1.2	63
83	Made-to-order control of the direction of electronic energy transfer in tetranuclear luminescent metal complexes. Coordination Chemistry Reviews, 1991, 111, 227-236.	9.5	45
84	A heptanuclear ruthenium(II) polypyridine complex: synthesis absorption spectrum, luminescence, electrochemical behavior. Inorganica Chimica Acta, 1990, 176, 175-178.	1.2	40
85	Luminescent and redox-reactive building blocks for the design of photochemical molecular devices: mono-, di-, tri-, and tetranuclear ruthenium(II) polypyridine complexes. Inorganic Chemistry, 1990, 29, 4750-4758.	1.9	206
86	A new hetero-tetrametallic complex of ruthenium and osmium: absorption spectrum, luminescence properties, and electrochemical behaviour. Journal of the Chemical Society Chemical Communications, 1989, , 1500.	2.0	73