

Scolastica Serroni

List of Publications by Year in descending order

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8,453
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53751

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docs citations

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times ranked

4905
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescent and Redox-Active Polynuclear Transition Metal Complexes. <i>Chemical Reviews</i> , 1996, 96, 759-834.	23.0	2,200
2	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
3	Decanuclear homo- and heterometallic polypyridine complexes: syntheses, absorption spectra, luminescence, electrochemical oxidation, and intercomponent energy transfer. <i>Journal of the American Chemical Society</i> , 1992, 114, 2944-2950.	6.6	313
4	Dendrimers of Nanometer Size Based on Metal Complexes: Luminescent and Redox-Active Polynuclear Metal Complexes Containing up to Twenty-Two Metal Centers. <i>Chemistry - A European Journal</i> , 1995, 1, 211-221.	1.7	239
5	Dendrimers based on photoactive metal complexes. Recent advances. <i>Coordination Chemistry Reviews</i> , 2001, 219-221, 545-572.	9.5	229
6	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
7	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
8	Synthesis, Structure, Photophysical Properties, and Redox Behavior of Cyclometalated Complexes of Iridium(III) with Functionalized 2,2'-Bipyridines. <i>Inorganic Chemistry</i> , 1999, 38, 2250-2258.	1.9	184
9	Title is missing!. <i>Chemical Society Reviews</i> , 2001, 30, 367-375.	18.7	165
10	Ruthenium Photocatalysts Capable of Reversibly Storing up to Four Electrons in a Single Acceptor Ligand: A Step Closer to Artificial Photosynthesis. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 3185-3187.	7.2	156
11	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
12	Dinuclear Ruthenium(II) Polypyridyl Complexes Containing Large, Redox-Active, Aromatic Bridging Ligands: Synthesis, Characterization, and Intramolecular Quenching of MLCT Excited States. <i>Inorganic Chemistry</i> , 2002, 41, 2471-2476.	1.9	140
13	Electrochemical and Photochemical Properties of Metal-Containing Dendrimers. <i>Topics in Current Chemistry</i> , 1998, , 193-228.	4.0	120
14	Absorption Spectra, Photophysical Properties, and Redox Behavior of Stereochemically Pure Dendritic Ruthenium(II) Tetranuclear and Related Dinuclear and Mononuclear Complexes. <i>Inorganic Chemistry</i> , 1999, 38, 692-701.	1.9	118
15	Photoinduced water oxidation using dendrimeric Ru(II) complexes as photosensitizers. <i>Coordination Chemistry Reviews</i> , 2011, 255, 2594-2601.	9.5	118
16	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.	6.7	108
17	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
18	Absorption Spectra, Luminescence Properties, and Electrochemical Behavior of Cyclometalated Iridium(III) and Rhodium(III) Complexes with a Bis(pyridyl)triazole Ligand. <i>Inorganic Chemistry</i> , 1995, 34, 541-545.	1.9	100

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19	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
20	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
21	Harvesting sunlight by artificial supramolecular antennae. <i>Solar Energy Materials and Solar Cells</i> , 1995, 38, 159-173.	3.0	86
22	Recent advances in luminescent polymetallic dendrimers containing the 2,3-bis(2-pyridyl)pyrazine bridging ligand. <i>Coordination Chemistry Reviews</i> , 2002, 229, 67-74.	9.5	79
23	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
24	Novel Dinuclear Luminescent Compounds Based on Iridium(III) Cyclometalated Chromophores and Containing Bridging Ligands with Ester-Linked Chelating Sites. <i>Inorganic Chemistry</i> , 2001, 40, 1093-1101.	1.9	78
25	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
26	Ultrafast Energy Transfer in Binuclear Ruthenium-Osmium Complexes as Models for Light-harvesting Antennas. <i>Journal of Physical Chemistry A</i> , 2002, 106, 4312-4319.	1.1	71
27	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. <i>Inorganic Chemistry</i> , 1993, 32, 3003-3009.	1.9	70
28	Dinuclear and Dendritic Polynuclear Ruthenium(II) and Osmium(II) Polypyridine Complexes: Electrochemistry at Very Positive Potentials in Liquid SO ₂ . <i>Journal of the American Chemical Society</i> , 1998, 120, 5480-5487.	6.6	69
29	Homo- and Heterometallic [2-2] Grid Arrays Containing Ru(II), Os(II), and Fe(II) Subunits and their Mononuclear Ru(II) and Os(II) Precursors: Synthesis, Absorption Spectra, Redox Behavior, and Luminescence Properties. <i>Chemistry - A European Journal</i> , 2003, 9, 5936-5946.	1.7	68
30	Bottom-up strategy to obtain luminescent and redox-active metal complexes of nanometric dimensions. <i>Coordination Chemistry Reviews</i> , 1994, 132, 1-13.	9.5	66
31	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. <i>Inorganic Chemistry</i> , 1992, 31, 4251-4255.	1.9	65
32	A Tetranuclear Ruthenium(II) Complex Containing both Electron-Rich and Electron-Poor Bridging Ligands. Absorption Spectrum, Luminescence, Redox Behavior, and Intercomponent Energy Transfer. <i>Inorganic Chemistry</i> , 1996, 35, 4513-4518.	1.9	65
33	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
34	Coupling of Metal-Based Light-Harvesting Antennas and Electron-Donor Subunits: Trinuclear Ruthenium(II) Complexes Containing Tetrathiafulvalene-Substituted Polypyridine Ligands. <i>Chemistry - A European Journal</i> , 2002, 8, 4461-4469.	1.7	63
35	Photoinduced Electron Transfer between the Interlocked Components of Porphyrin Catenanes: Effect of the Presence of Nonequivalent Reduction Sites on the Charge Recombination Rate. <i>Chemistry - A European Journal</i> , 2003, 9, 2649-2659.	1.7	61
36	Arborole aus vielen lumineszierenden und redoxaktiven Übergangsmetallkomplexfragmenten. <i>Angewandte Chemie</i> , 1992, 104, 1540-1542.	1.6	57

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37	A New Heptanuclear Dendritic Ruthenium(II) Complex Featuring Photoinduced Energy Transfer Across High-Energy Subunits. <i>ChemPhysChem</i> , 2005, 6, 129-138.	1.0	56
38	Proton Controlled Intramolecular Communication in Dinuclear Ruthenium(II) Polypyridine Complexes. <i>Inorganic Chemistry</i> , 2002, 41, 2871-2878.	1.9	54
39	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
40	Efficient trinuclear Ru(II)-Re(I) supramolecular photocatalysts for CO ₂ reduction based on a new tris-chelating bridging ligand built around a central aromatic ring. <i>Chemical Science</i> , 2020, 11, 1556-1563.	3.7	51
41	Polynuclear Polypyridine Complexes Incorporating Ru(II), Os(II), and Pt(II): A Decanuclear Dendrimeric Antennas. <i>Inorganic Chemistry</i> , 2001, 40, 3318-3323.	1.9	50
42	Ultrafast singlet energy transfer competes with intersystem crossing in a multi-center transition metal polypyridine complex. <i>Chemical Physics Letters</i> , 2004, 386, 336-341.	1.2	50
43	Near infra-red emitting Ru(II) complexes of tridentate ligands: electrochemical and photophysical consequences of a strong donor ligand with large bite angles. <i>Chemical Science</i> , 2014, 5, 4800-4811.	3.7	49
44	Aggregation in Fluid Solution of Dendritic Supermolecules made of Ruthenium(II)- and Osmium(II)-Polypyridine Building Blocks. <i>Journal of the American Chemical Society</i> , 1995, 117, 1754-1758.	6.6	47
45	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
46	Ruthenium Photocatalysts Capable of Reversibly Storing up to Four Electrons in a Single Acceptor Ligand: A Step Closer to Artificial Photosynthesis. <i>Angewandte Chemie</i> , 2002, 114, 3317-3319.	1.6	45
47	New luminescent and redox-active homometallic dinuclear iridium(III), ruthenium(II) and osmium(II) complexes prepared by metal-catalyzed coupling reactions. <i>Chemical Communications</i> , 2000, , 2297-2298.	2.2	44
48	Dendrimers Based on Electroactive Metal Complexes. A Review of Recent Advances. <i>Collection of Czechoslovak Chemical Communications</i> , 2001, 66, 1-32.	1.0	42
49	A heptanuclear ruthenium(II) polypyridine complex: synthesis absorption spectrum, luminescence, electrochemical behavior. <i>Inorganica Chimica Acta</i> , 1990, 176, 175-178.	1.2	40
50	Controlling the Direction of Photoinduced Energy Transfer in Multicomponent Species. <i>Chemistry - A European Journal</i> , 1999, 5, 3523-3527.	1.7	40
51	Cell internalization of BODIPY-based fluorescent dyes bearing carbohydrate residues. <i>Dyes and Pigments</i> , 2014, 110, 67-71.	2.0	38
52	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
53	Dendrimers made of Ru(II) and Os(II) polypyridine subunits as artificial light-harvesting antennae. <i>Comptes Rendus Chimie</i> , 2003, 6, 883-893.	0.2	36
54	Ni(0) catalysed homo-coupling reactions: a novel route towards the synthesis of multinuclear ruthenium polypyridine complexes featuring made-to-order properties. <i>Inorganic Chemistry Communication</i> , 2000, 3, 42-44.	1.8	35

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55	Self-Assembly of Square Molecular Boxes Containing Dirhodium(II,II) Units. <i>European Journal of Inorganic Chemistry</i> , 2000, 2000, 1371-1375.	1.0	35
56	New paradigm of transition metal polypyridine complex photochemistry. <i>Faraday Discussions</i> , 2004, 127, 295-305.	1.6	33
57	Red-Emitting [Ru(bpy) ₂ (N-N)] ²⁺ Photosensitizers: Emission from a Ruthenium(II) to 2,2'-Bipyridine ³ MLCT State in the Presence of Neutral Ancillary "Super Donor" Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 1679-1689.	1.9	33
58	Title is missing!. <i>Chemical Communications</i> , 2001, , 2634-2635.	2.2	32
59	Primary charge separation in photoinduced multielectron storage systems. A dinuclear ruthenium(ii) species featuring a charge-separated state with a lifetime of 1.3 Ås. <i>Chemical Communications</i> , 2003, , 1658-1659.	2.2	32
60	A New Polytopic Bis-diazacrown-ether-polypyridine Ligand and Its Complexes with Zn(II) Salts and Mononuclear and Dendritic Ru(II) Precursors. <i>Synthesis, Absorption Spectra, Redox Behavior, and Luminescence Properties</i> . <i>Inorganic Chemistry</i> , 2001, 40, 6901-6909.	1.9	31
61	Characterization of merand fac isomers of [Ru(2,3-dpp) ₃][PF ₆] ₂ (2,3-dpp=2,3-bis(2-pyridyl)pyrazine) by ¹ H and ⁹⁹ Ru NMR spectroscopy. Proton assignment by 2D techniques. <i>Inorganica Chimica Acta</i> , 1993, 205, 145-148.	1.2	28
62	Dinuclear Ru(ii) complexes of bis-(dipyrid-2-yl)triazine (bis-dpt) ligands as efficient electron reservoirs. <i>Chemical Communications</i> , 2011, 47, 3586.	2.2	28
63	Protected building blocks for luminescent and redox-active dendritic metal complexes. Excited state properties and electrochemical behaviour. <i>Canadian Journal of Chemistry</i> , 1995, 73, 1875-1882.	0.6	25
64	New ruthenium(II) and osmium(II) trinuclear dendrons. <i>Synthesis, redox behavior, absorption spectra, and luminescence properties</i> . <i>Dalton Transactions RSC</i> , 2001, , 1035-1042.	2.3	24
65	A decanuclear ruthenium(II) "polypyridine complex: synthesis, absorption spectrum, luminescence and electrochemical behaviour. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, .	2.0	23
66	Artificial, molecular-based light-harvesting antenna systems made of metal dendrimers and multibodipy species. <i>Comptes Rendus Chimie</i> , 2017, 20, 209-220.	0.2	23
67	Synthesis and Characterization of Dirhodium(II,II) "Porphyrin-Based Multiredox Systems. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 79-86.	1.0	22
68	Photo- and Redox-Active Metal Dendrimers: A Journey from Molecular Design to Applications and Self-Aggregated Systems. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 3887-3899.	1.0	22
69	Electrochemistry at Very Positive Potentials in Liquid SO ₂ . Mononuclear RuII and OsII Polypyridine Complexes. <i>Inorganic Chemistry</i> , 1998, 37, 2829-2832.	1.9	19
70	Redox processes of ruthenium (II) polypyridine complexes induced by fast-atom bombardment mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1993, 4, 306-311.	1.2	17
71	New Hybrid Light Harvesting Antenna Based on Silicon Nanowires and Metal Dendrimers. <i>Advanced Optical Materials</i> , 2020, 8, 2001070.	3.6	17
72	Changing the Role of 2,2'-Bipyridine from Secondary Ligand to Protagonist in [Ru(bpy) ₂ (N-N)] ²⁺ Complexes: Low-Energy, Red Emission from a Ruthenium(II)-to-2,2'-Bipyridine ³ MLCT State. <i>Inorganic Chemistry</i> , 2011, 50, 7-9.	1.9	16

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73	Early photophysical events of a ruthenium(II) molecular dyad capable of performing photochemical water oxidation and of its model compounds. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2164-2173.	1.6	15
74	Crystal and molecular structure of $[\text{Ru}(\text{bpy})_2(2,3\text{-dpp})]\text{Cl}_2 \cdot 3\text{H}_2\text{O} \cdot \text{CH}_3\text{CN}$ and ^1H and ^{99}Ru NMR spectra of $[\text{Ru}(\text{bpy})_2(2,n\text{-dpp})][\text{PF}_6]_2$ (bpy=2,2'-bipyridine, dpp=bis(2-pyridyl)pyrazine, n=3 or 5). <i>Inorganica Chimica Acta</i> , 1998, 275-276, 320-326.	1.2	14
75	^{195}Pt NMR of Heteropolymetallic Complexes Containing Secondary Dithiooxamides as Binucleating Ligands. <i>Inorganic Chemistry</i> , 2005, 44, 6717-6724.	1.9	14
76	Dendrimers based on metal complexes. <i>Advances in Dendritic Macromolecules</i> , 1996, , 61-113.	0.6	14
77	“Small-Upward” Approach to Nanostructures: Dendritic Polynuclear Metal Complexes For Light Harvesting. <i>Molecular Crystals and Liquid Crystals</i> , 1993, 234, 79-88.	0.3	13
78	Photophysical properties of an unusual bichromophoric species constructed from a cyclometalated Pt(II) chromophore and a blue Bodipy-acetylacetonate species. <i>Dalton Transactions</i> , 2014, 43, 17647-17658.	1.6	13
79	Supramolecular Photochemistry: Antenna Effect in Polynuclear Metal Complexes. , 1992, , 233-252.		11
80	Synthesis, photophysical and redox behavior of unsymmetrical binuclear Ru(II) complexes based on tris(1-pyrazolyl)methane. <i>Inorganica Chimica Acta</i> , 2013, 398, 19-27.	1.2	10
81	Dinuclear Tris(1-pyrazolyl)methane Complexes of Ruthenium(II). <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, 709-720.	1.0	8
82	Supramolecular photochemistry. Luminescent and redox active dendritic polynuclear metal complexes. <i>Journal of Chemical Sciences</i> , 1993, 105, 421-434.	0.7	7
83	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. <i>Collection of Czechoslovak Chemical Communications</i> , 2003, 68, 1677-1686.	1.0	7
84	Heteropolymetallic complexes containing 1,1'-diphenylphosphino-ferrocene. <i>Inorganica Chimica Acta</i> , 2007, 360, 1929-1934.	1.2	7
85	Molecular Modelling and Simulations of Light Harvesting Decanuclear Ru-Based Dendrimers for Artificial Photosynthesis. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	5
86	Structure and reactivity of $[\text{Ru}(2,3\text{-Medpp})_2\text{Cl}_2]^{2+}$. <i>Inorganica Chimica Acta</i> , 2002, 333, 25-31.	1.2	3