Leone Spiccia

List of Publications by Year
in descending order

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351 papers	23,788 citations	12330 69 h-index	9861 141 g-index
373 all docs	373 docs citations	373 times ranked	25860 citing authors

#	Article	IF	Citations
1	Engineering of Efficient Panchromatic Sensitizers for Nanocrystalline TiO2-Based Solar Cells. Journal of the American Chemical Society, 2001, 123, 1613-1624.	13.7	2,483
2	A Fast Depositionâ€Crystallization Procedure for Highly Efficient Lead Iodide Perovskite Thinâ€Film Solar Cells. Angewandte Chemie - International Edition, 2014, 53, 9898-9903.	13.8	1,292
3	Degradation observations of encapsulated planar CH₃NH₃PbI₃ perovskite solar cells at high temperatures and humidity. Journal of Materials Chemistry A, 2015, 3, 8139-8147.	10.3	874
4	Nanomaterials: Applications in Cancer Imaging and Therapy. Advanced Materials, 2011, 23, H18-40.	21.0	814
5	High-efficiency dye-sensitized solar cells with ferrocene-based electrolytes. Nature Chemistry, 2011, 3, 211-215.	13.6	553
6	Development of Bioinspired Mn₄O₄â^'Cubane Water Oxidation Catalysts: Lessons from Photosynthesis. Accounts of Chemical Research, 2009, 42, 1935-1943.	15.6	510
7	Gas-assisted preparation of lead iodide perovskite films consisting of a monolayer of single crystalline grains for high efficiency planar solar cells. Nano Energy, 2014, 10, 10-18.	16.0	504
8	Water-oxidation catalysis by manganese in a geochemical-like cycle. Nature Chemistry, 2011, 3, 461-466.	13.6	479
9	Solar Driven Water Oxidation by a Bioinspired Manganese Molecular Catalyst. Journal of the American Chemical Society, 2010, 132, 2892-2894.	13.7	414
10	Zwitterionicâ€Coated â€œStealthâ€•Nanoparticles for Biomedical Applications: Recent Advances in Countering Biomolecular Corona Formation and Uptake by the Mononuclear Phagocyte System. Small, 2014, 10, 2516-2529.	10.0	409
11	Water oxidation catalysts based on abundant 1st row transition metals. Coordination Chemistry Reviews, 2013, 257, 2607-2622.	18.8	367
12	Ultra-thin high efficiency semitransparent perovskite solar cells. Nano Energy, 2015, 13, 249-257.	16.0	310
13	Molecular and Cellular Characterization of the Biological Effects of Ruthenium(II) Complexes Incorporating 2-Pyridyl-2-pyrimidine-4-carboxylic Acid. Journal of the American Chemical Society, 2012, 134, 20376-20387.	13.7	279
14	Sustained Water Oxidation Photocatalysis by a Bioinspired Manganese Cluster. Angewandte Chemie - International Edition, 2008, 47, 7335-7338.	13.8	269
15	Copper(I) Iodide as Holeâ€Conductor in Planar Perovskite Solar Cells: Probing the Origin of Jâ€“V Hysteresis. Advanced Functional Materials, 2015, 25, 5650-5661.	14.9	260
16	Dye Regeneration Kinetics in Dye-Sensitized Solar Cells. Journal of the American Chemical Society, 2012, 134, 16925-16928.	13.7	235
17	Highly active nickel oxide water oxidation catalysts deposited from molecular complexes. Energy and Environmental Science, 2013, 6, 579-586.	30.8	231
18	Direct observation of intrinsic twin domains in tetragonal CH3NH3PbI3. Nature Communications, 2017, 8, 14547.	12.8	191

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19	Synthesis, Structure and Properties of Five-Coordinate Copper(II) Complexes of Pentadentate Ligands with Pyridyl Pendant Arms. Inorganic Chemistry, 1995, 34, 254-261.	4.0	186
20	Application of the Tris(acetylacetonato)iron(III)/(II) Redox Couple in pâ€Type Dyeâ€Sensitized Solar Cells. Angewandte Chemie - International Edition, 2015, 54, 3758-3762.	13.8	184
21	Copper(II), zinc(II) and nickel(II) complexes as nuclease mimetics. Coordination Chemistry Reviews, 2012, 256, 897-937.	18.8	177
22	Highly Efficient pâ€Type Dyeâ€Sensitized Solar Cells based on Tris(1,2â€diaminoethane)Cobalt(II)/(III) Electrolytes. Angewandte Chemie - International Edition, 2013, 52, 602-605.	13.8	177
23	Renewable fuels from concentrated solar power: towards practical artificial photosynthesis. Energy and Environmental Science, 2015, 8, 2791-2796.	30.8	162
24	Dye regeneration and charge recombination in dye-sensitized solar cells with ferrocene derivatives as redox mediators. Energy and Environmental Science, 2012, 5, 7090.	30.8	156
25	Miniature inhalation therapy platform using surface acoustic wave microfluidic atomization. Lab on A Chip, 2009, 9, 2184.	6.0	151
26	Highly active screen-printed electrocatalysts for water oxidation based on Î²-manganese oxide. Energy and Environmental Science, 2013, 6, 2222.	30.8	151
27	Synthesis, Characterization, and Biological Evaluation of New Ru(II) Polypyridyl Photosensitizers for Photodynamic Therapy. Journal of Medicinal Chemistry, 2014, 57, 7280-7292.	6.4	149
28	Synthesis, structure and magnetism of new single molecule magnets composed of MnII2MnIII2 alkoxo-carboxylate bridged clusters capped by triethanolamine ligandsElectronic supplementary information (ESI) available: Detailed magnetisation discussion, Mn bond valence sums (Table S1), H-bonding details (Table S2). See http://www.rsc.org/suppdata/dt/b3/b312672b/. Dalton Transactions, 2004, , 1003.	3.3	142
29	Vertically Aligned Interlayer Expanded MoS₂ Nanosheets on a Carbon Support for Hydrogen Evolution Electrocatalysis. Chemistry of Materials, 2017, 29, 3092-3099.	6.7	140
30	A New Direction in Dye-Sensitized Solar Cells Redox Mediator Development: In Situ Fine-Tuning of the Cobalt(II)/(III) Redox Potential through Lewis Base Interactions. Journal of the American Chemical Society, 2012, 134, 16646-16653.	13.7	134
31	Molecular water-oxidation catalysts for photoelectrochemical cells. Dalton Transactions, 2009, , 9374.	3.3	124
32	Electrodeposited MnO_x Films from Ionic Liquid for Electrocatalytic Water Oxidation. Advanced Energy Materials, 2012, 2, 1013-1021.	19.5	122
33	Diammonium and Monoammonium Mixedâ€Organicâ€Cation Perovskites for High Performance Solar Cells with Improved Stability. Advanced Energy Materials, 2017, 7, 1700444.	19.5	121
34	Efficient Plasmid DNA Cleavage by Copper(II) Complexes of 1,4,7-Triazacyclononane Ligands Featuring Xylyl-Linked Guanidinium Groups. Inorganic Chemistry, 2011, 50, 4327-4339.	4.0	118
35	Syntheses, Crystal Structures, Magnetic Properties, and EPR Spectra of Tetranuclear Copper(II) Complexes Featuring Pairs of â€œRoof-Shapedâ€•Cu2X2Dimers with Hydroxide, Methoxide, and Azide Bridges. Inorganic Chemistry, 2001, 40, 1536-1543.	4.0	113
36	Optical analysis of perovskite/silicon tandem solar cells. Journal of Materials Chemistry C, 2016, 4, 5679-5689.	5.5	112

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37	Aqueous Dyeâ€Sensitized Solar Cell Electrolytes Based on the Ferricyanideâ€“Ferrocyanide Redox Couple. Advanced Materials, 2012, 24, 1222-1225.	21.0	110
38	Water Oxidation Catalysis by Nanoparticulate Manganese Oxide Thin Films: Probing the Effect of the Manganese Precursors. Chemistry of Materials, 2013, 25, 1098-1108.	6.7	110
39	UVâ€“Vis spectrophotometric and XAFS studies of ferric chloride complexes in hyper-saline LiCl solutions at 25â€“90ÂÂ°C. Chemical Geology, 2006, 231, 326-349.	3.3	105
40	TiO2 solâ€“gel blocking layers for dye-sensitized solar cells. Comptes Rendus Chimie, 2006, 9, 622-626.	0.5	104
41	Stability Comparison of Perovskite Solar Cells Based on Zinc Oxide and Titania on Polymer Substrates. ChemSusChem, 2016, 9, 687-695.	6.8	101
42	Early stages of the hydrolysis of chromium(III) in aqueous solution. 4. The stability constants of the hydrolytic dimer, trimer, and tetramer at 25.degree.C and I = 1.0 M. Inorganic Chemistry, 1989, 28, 66-71.	4.0	100
43	Improved photocurrents for p-type dye-sensitized solar cells using nano-structured nickel(ii) oxide microballs. Energy and Environmental Science, 2012, 5, 8896.	30.8	99
44	Synthetic routes to homoleptic and heteroleptic ruthenium(II) complexes incorporating bidentate imine ligands. Coordination Chemistry Reviews, 2004, 248, 1329-1341.	18.8	97
45	Complexation of metal ions in brines: application of electronic spectroscopy in the study of the Cu(II)-LiCl-H 2 O system between 25 and 90Â°C. Geochimica Et Cosmochimica Acta, 2001, 65, 2691-2708.	3.9	92
46	Distinct cellular fates for KP1019 and NAMI-A determined by X-ray fluorescence imaging of single cells. Metallomics, 2012, 4, 1051.	2.4	92
47	Weak intermolecular interactions in sulfonamide salts: structure of 1-ethyl-2-methyl-3-benzyl imidazolium bis[(trifluoromethyl)sulfonyl]amide. Chemical Communications, 1998, , 1593-1594.	4.1	91
48	Macrocyclic Metal Complexes for Metalloenzyme Mimicry and Sensor Development. Accounts of Chemical Research, 2015, 48, 2366-2379.	15.6	91
49	Enhancing the Optoelectronic Performance of Perovskite Solar Cells via a Textured CH₃NH₃PbI₃ Morphology. Advanced Functional Materials, 2016, 26, 1278-1285.	14.9	90
50	Low temperature processing of flexible planar perovskite solar cells with efficiency over 10%. Journal of Power Sources, 2015, 278, 325-331.	7.8	89
51	Self-Assembled Superanions: Ionic Capsules Stabilized by Polynuclear Chromium(III) Aqua Cations. Chemistry - A European Journal, 1999, 5, 2295-2299.	3.3	87
52	Stable Dyeâ€Sensitized Solar Cell Electrolytes Based on Cobalt(II)/(III) Complexes of a Hexadentate Pyridyl Ligand. Angewandte Chemie - International Edition, 2013, 52, 5527-5531.	13.8	87
53	A new "active" chromium(III) hydroxide: Cr2(.mu.-OH)2(OH)4(OH2)4.2H2O. Characterization and use in the preparation of salts of the (H2O)4Cr(.mu.-OH)2Cr(OH2)44+ ion. Crystal structure of [(H2O)4Cr(.mu.-OH)2Cr(OH2)4][(H3C)3C6H2SO3]4.4H2O. Inorganic Chemistry, 1987, 26, 474-482.	4.0	86
54	Binuclear Copper(II) Complexes of Bis(pentadentate) Ligands Derived from Alkyl-Bridged Bis(1,4,7-triazacyclonane) Macrocycles. Inorganic Chemistry, 1996, 35, 1974-1979.	4.0	86

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55	Sustained Water Oxidation by [Mn₄O₄]⁷⁺ Core Complexes Inspired by Oxygenic Photosynthesis. Inorganic Chemistry, 2009, 48, 7269-7279.	4.0	83
56	Aqueous dye-sensitized solar cell electrolytes based on the cobalt(<scp>ii</scp>)/(<scp>iii</scp>) tris(bipyridine) redox couple. Energy and Environmental Science, 2013, 6, 121-127.	30.8	81
57	The fate of "active" chromium hydroxide, Cr(OH)3.3H2O, in aqueous suspension. Study of the chemical changes involved in its aging. Inorganic Chemistry, 1986, 25, 266-271.	4.0	80
58	A robust iron oxyhydroxide water oxidation catalyst operating under near neutral and alkaline conditions. Journal of Materials Chemistry A, 2016, 4, 3655-3660.	10.3	79
59	Minerals as Moleculesâ€"Use of Aqueous Oxide and Hydroxide Clusters to Understand Geochemical Reactions. Chemistry - A European Journal, 2009, 15, 4496-4515.	3.3	76
60	Stable high efficiency dye-sensitized solar cells based on a cobalt polymer gel electrolyte. Chemical Communications, 2013, 49, 8997.	4.1	76
61	Fatigue behavior of planar CH3NH3PbI3 perovskite solar cells revealed by light on/off diurnal cycling. Nano Energy, 2016, 27, 509-514.	16.0	76
62	Dominating Energy Losses in NiO pâ€Type Dyeâ€Sensitized Solar Cells. Advanced Energy Materials, 2015, 5, 1401387.	19.5	75
63	Diatom frustules as light traps enhance DSSC efficiency. Nanoscale, 2013, 5, 873-876.	5.6	74
64	Structure and magnetic properties of a high-spin Mn6IICrIII cluster containing cyano bridges and Mn centres capped by pentadentate ligands. Chemical Communications, 2001, , 333-334.	4.1	73
65	Improved Photovoltages for p-Type Dye-Sensitized Solar Cells Using CuCrO₂ Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 16375-16379.	3.1	72
66	Improvement of Catalytic Water Oxidation on MnO_x Films by Heat Treatment. ChemSusChem, 2013, 6, 643-651.	6.8	71
67	Indium tin oxide as a semiconductor material in efficient p-type dye-sensitized solar cells. NPG Asia Materials, 2016, 8, e305-e305.	7.9	71
68	Kinetics and Mechanism of Hydrolysis of a Model Phosphate Diester by [Cu(Me3tacn)(OH2)2]2+(Me3tacn = 1,4,7-Trimethyl-1,4,7-triazacyclononane). Inorganic Chemistry, 2005, 44, 941-950.	4.0	70
69	Synthesis, Spectroscopic Properties, and Photoinduced CO-Release Studies of Functionalized Ruthenium(II) Polypyridyl Complexes: Versatile Building Blocks for Development of CORMâ€"Peptide Nucleic Acid Bioconjugates. Inorganic Chemistry, 2013, 52, 9297-9308.	4.0	70
70	Binuclear Nickel Complexes with Single Azide Bridges. Structure and Properties of [Ni2(N,N-bis(2-aminoethyl)-N'-(2-pyridylmethyl)ethane-1,2-diamine)2(.mu.-N3)](ClO4)3 and [Ni2(1,4-bis(2-pyridylmethyl)-1,4,7-triazacyclononane)2(.mu.-N3)](ClO4)3. Inorganic Chemistry, 1994, 33, 4663-4668.	4.0	69
71	Hexacyanometalates as templates for heteropolynuclear complexes and molecular magnets: synthesis and crystal structure of [Fe{(CN)Cu(tpa)}6][ClO4]8Â·3H2O, [tpa = tris(2-pyridylmethyl)amine]. Chemical Communications, 1996, , 2789-2790.	4.1	69
72	Voltammetric Determination of the Reversible Redox Potential for the Oxidation of the Highly Surface Active Polypyridyl Ruthenium Photovoltaic Sensitizer cisâ€‰â€‰â€‰Ruâ€‰(â€‰â€‰â€‰IIâ€‰â€‰)â€‰â€‰â€‰(â€‰dcbpyâ€‰ Electrochemical Society, 1999, 146, 648-656.		

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73	Dipole-field-assisted charge extraction in metal-perovskite-metal back-contact solar cells. Nature Communications, 2017, 8, 613.	12.8	66
74	Towards synthetic models for trinuclear copper active sites of ascorbate oxidase and laccase: self-assembly, crystal structure and magnetic properties of the copper(II) complexes of 1,3,5-tris(1,4,7-triazacyclonon-1-ylmethyl)benzeneâ€Šâ€. Journal of the Chemical Society Dalton Transactions, 1997, , 4089-4098.	1.1	65
75	Synthesis, Structure, and DNA Cleavage Properties of Copper(II) Complexes of 1,4,7-Triazacyclononane Ligands Featuring Pairs of Guanidine Pendants. Inorganic Chemistry, 2011, 50, 621-635.	4.0	65
76	Experimental and Theoretical Investigations of the Effect of Deprotonation on Electronic Spectra and Reversible Potentials of Photovoltaic Sensitizers:Â Deprotonation ofcis-L2RuX2(L =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (2,2â€ Electrodes. Journal of the American Chemical Society, 2000, 122, 130-142.	13.7	64
77	The Encapsulation of Ferrocyanide by Copper(II) Complexes of Tripodal Tetradentate Ligands. Novel H-Bonding Networks Incorporating Heptanuclear and Pentanuclear Heterometallic Assemblies. Inorganic Chemistry, 2001, 40, 4696-4704.	4.0	64
78	New mixed-valence MnII2MnIII2clusters exhibiting an unprecedented MnII/IIIoxidation state distribution in their magnetically coupled cores. Dalton Transactions, 2006, , 1534-1543.	3.3	64
79	Synthesis, Copper(II) Complexation,⁶⁴Cu-Labeling, and Bioconjugation of a New Bis(2-pyridylmethyl) Derivative of 1,4,7-Triazacyclononane. Bioconjugate Chemistry, 2008, 19, 719-730.	3.6	64
80	Directing nucleation and growth kinetics in solution-processed hybrid perovskite thin-films. Science China Materials, 2017, 60, 617-628.	6.3	64
81	Nanostructured MnO x catalysts in the liquid phase selective oxidation of benzyl alcohol with oxygen: Part I. Effects of Ce and Fe addition on structure and reactivity. Applied Catalysis B: Environmental, 2015, 162, 260-267.	20.2	63
82	Highly Dispersed Cobalt Oxide on TaON as Efficient Photoanodes for Long-Term Solar Water Splitting. ACS Catalysis, 2016, 6, 3404-3417.	11.2	63
83	A spectrophotometric study of aqueous copper(I)â€“chloride complexes in LiCl solutions between 100 Â°C and 250 Â°C. Geochimica Et Cosmochimica Acta, 2002, 66, 3615-3633.	3.9	62
84	Early stages of the hydrolysis of chromium(III) in aqueous solution. 9. Kinetics of water exchange on the hydrolytic dimer. Inorganic Chemistry, 1994, 33, 465-470.	4.0	61
85	Modification of mesoporous TiO2electrodes by surface treatment with titanium(IV), indium(III) and zirconium(IV) oxide precursors: preparation, characterization and photovoltaic performance in dye-sensitized nanocrystalline solar cells. Nanotechnology, 2007, 18, 125608.	2.6	60
86	Fluorescent and Electrochemical Sensing of Polyphosphate Nucleotides by Ferrocene Functionalised with Two Zn^{II}(TACN)(pyrene) Complexes. Chemistry - A European Journal, 2010, 16, 9154-9163.	3.3	60
87	A comparison of microwave and conventional heat treatments of nanocrystalline TiO2. Solar Energy Materials and Solar Cells, 2007, 91, 6-16.	6.2	59
88	Hydrolytic trimer of chromium(III). Synthesis through chromite cleavage and use in the preparation of the "active" trimer hydroxide. Inorganic Chemistry, 1988, 27, 2660-2666.	4.0	58
89	Highly Selective and Sensitive DNA Assay Based on Electrocatalytic Oxidation of Ferrocene Bearing Zinc(II)â"Cyclen Complexes with Diethylamine. Journal of the American Chemical Society, 2010, 132, 10053-10063.	13.7	57
90	Structural, Spectroscopic, and Electrochemical Studies of Binuclear Manganese(II) Complexes of Bis(pentadentate) Ligands Derived from Bis(1,4,7-triazacyclononane) Macrocycles. Inorganic Chemistry, 2000, 39, 881-892.	4.0	56

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91	Adsorption and intercalation of Acid Blue 9 on Mgâ€“Al layered double hydroxides of variable metal composition. Polyhedron, 2007, 26, 3479-3490.	2.2	56
92	Anodic deposition of NiOx water oxidation catalysts from macrocyclic nickel(ii) complexes. Catalysis Science and Technology, 2013, 3, 1725.	4.1	56
93	Hydrolytic polymerization of rhodium(III). 1. Preparation, solution studies, and x-ray structure of the doubly bridged dimer [(H2O)4Rh(.mu.-OH)2Rh(OH2)4](dmtos)4.cntdot.8H2O. Inorganic Chemistry, 1991, 30, 831-836.	4.0	55
94	Controlling Interfacial Recombination in Aqueous Dyeâ€Sensitized Solar Cells by Octadecyltrichlorosilane Surface Treatment. Angewandte Chemie - International Edition, 2014, 53, 6933-6937.	13.8	55
95	Damage Management in Water-Oxidizing Catalysts: From Photosystem II to Nanosized Metal Oxides. ACS Catalysis, 2015, 5, 1499-1512.	11.2	55
96	Potentiometric Investigations into the Acidâ^'Base and Metal Ion Binding Properties of Immobilized Metal Ion Affinity Chromatographic (IMAC) Adsorbents. The Journal of Physical Chemistry, 1996, 100, 12680-12690.	2.9	54
97	Phosphodiester Cleavage Properties of Copper(II) Complexes of 1,4,7-Triazacyclononane Ligands Bearing Single Alkyl Guanidine Pendants. Inorganic Chemistry, 2012, 51, 939-953.	4.0	54
98	Controlled Growth of Monocrystalline Organoâ€Lead Halide Perovskite and Its Application in Photonic Devices. Angewandte Chemie - International Edition, 2017, 56, 12486-12491.	13.8	54
99	Protein Selectivity with Immobilized Metal Ion-tacn Sorbents: Chromatographic Studies with Human Serum Proteins and Several Other Globular Proteins. Analytical Biochemistry, 1998, 255, 47-58.	2.4	53
100	Utilization of crown ethers to stabilize the dinuclear Î¼-oxo bridged iron(iii) aqua ion, [(H2O)5Fe(Î¼-O)Fe(OH2)5]4+. Dalton Transactions RSC, 2002, , 1024.	2.3	53
101	Alkali-metal-ion, temperature, and pressure effects on the rate of electron transfer between manganate(VI) and permanganate(VII) ions in alkaline aqueous solution. Inorganic Chemistry, 1987, 26, 2265-2271.	4.0	52
102	Coordination Modes of a Series of Xylylene-Bridged Bis(1,4,7-triazacyclonon-1-yl) Ligands:â€‰ Synthesis, Structure, and Properties of Nickel(II) and Copper(II) Complexes. Inorganic Chemistry, 1997, 36, 6366-6373.	4.0	52
103	Rates of Water Exchange for Two Cobalt(II) Heteropolyoxotungstate Compounds in Aqueous Solution. Chemistry - A European Journal, 2011, 17, 4408-4417.	3.3	52
104	Probing the functionality of nanostructured MnCeO x catalysts in the carbon monoxide oxidation. Applied Catalysis B: Environmental, 2017, 210, 14-22.	20.2	52
105	Dye-sensitized nanocrystalline solar cells incorporating ethylmethylimidazolium-based ionic liquid electrolytes. Comptes Rendus Chimie, 2006, 9, 617-621.	0.5	51
106	Lessons Learnt from Spatially Resolved Electroâ€•and Photoluminescence Imaging: Interfacial Delamination in CH₃NH₃PbI₃ Planar Perovskite Solar Cells upon Illumination. Advanced Energy Materials, 2017, 7, 1602111.	19.5	50
107	Structural, EPR, and Electrochemical Studies of Binuclear Copper(II) Complexes of Bis(pentadentate) Ligands Derived from Bis(1,4,7-triazacyclonane) Macrocycles. Inorganic Chemistry, 1998, 37, 3705-3713.	4.0	49
108	Improved performance of porphyrin-based dye sensitised solar cells by phosphinic acid surface treatment. Energy and Environmental Science, 2009, 2, 1069.	30.8	49

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109	Efficient Perovskite Solar Cells Employing Inorganic Interlayers. ChemNanoMat, 2016, 2, 182-188.	2.8	49
110	Synthesis, X-ray Crystal Structures, Magnetism, and Phosphate Ester Cleavage Properties of Copper(II) Complexes of N-Substituted Derivatives of 1,4,7-Triazacyclononane. Inorganic Chemistry, 2006, 45, 3746-3755.	4.0	48
111	Electrochemical investigation of Mn4O4-cubane water-oxidizing clusters. Physical Chemistry Chemical Physics, 2009, 11, 6441.	2.8	48
112	Parameterization of Water Electrooxidation Catalyzed by Metal Oxides Using Fourier Transformed Alternating Current Voltammetry. Journal of the American Chemical Society, 2016, 138, 16095-16104.	13.7	48
113	Spray deposition of AgBiS₂ and Cu₃BiS₃ thin films for photovoltaic applications. Journal of Materials Chemistry C, 2018, 6, 2483-2494.	5.5	48
114	Macrocyclic Copper(II) and Zinc(II) Complexes Incorporating Phosphate Esters. Inorganic Chemistry, 2003, 42, 5637-5644.	4.0	47
115	Cyanomethylbenzoic Acid: An Acceptor for Donorâ€“Ï€â€“Acceptor Chromophores Used in Dyeâ€Sensitized Solar Cells. ChemSusChem, 2013, 6, 256-260.	6.8	47
116	Introducing manganese complexes as redox mediators for dye-sensitized solar cells. Physical Chemistry Chemical Physics, 2014, 16, 12021.	2.8	45
117	The adsorption behavior of C.I. Acid Blue 9 onto calcined Mgâ€“Al layered double hydroxides. Dyes and Pigments, 2009, 81, 103-112.	3.7	44
118	Robust Subâ€Monolayers of Co₃O₄ Nanoâ€Islands: A Highly Transparent Morphology for Efficient Water Oxidation Catalysis. Advanced Energy Materials, 2016, 6, 1600697.	19.5	44
119	A facile deposition method for CuSCN: Exploring the influence of CuSCN on J-V hysteresis in planar perovskite solar cells. Nano Energy, 2017, 32, 310-319.	16.0	44
120	Nanostructured ZrO2-Coated TiO2 Electrodes for Dye-Sensitised Solar Cells. Journal of Sol-Gel Science and Technology, 2004, 32, 363-366.	2.4	42
121	Developments in and prospects for photocathodic and tandem dye-sensitized solar cells. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2016, 28, 44-71.	11.6	42
122	Synthesis, structure, and spectral and magnetic properties of (.mu.-carbonato)(.mu.-hydroxo)bis[N,N'-(bis(2-aminoethyl)ethane-1,2-diamine)chromium(III)] perchlorate. Inorganic Chemistry, 1992, 31, 1066-1072.	4.0	41
123	Complexation of Cu(II) and Ni(II) by nitrilotriacetate intercalated in Znâ€“Cr layered double hydroxides. Journal of Materials Chemistry, 2000, 10, 1219-1224.	6.7	41
124	Copper(I) tris(pyrazolyl)methane complexes and their reactivity towards dioxygen. Inorganica Chimica Acta, 2001, 324, 131-140.	2.4	41
125	Structure and Magnetism of Heptanuclear Complexes Formed on Encapsulation of Hexacyanoferrate(II) with the Mn(II) and Ni(II) Complexes of 1,4-Bis(2-pyridylmethyl)-1,4,7-triazacyclononane. Inorganic Chemistry, 2002, 41, 2489-2495.	4.0	41
126	Vapour-Phase Polymerization of Pyrrole and 3,4-Ethylenedioxythiophene Using Iron(III) 2,4,6-Trimethylbenzenesulfonate. Australian Journal of Chemistry, 2009, 62, 133.	0.9	41

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127	Synthesis of Novel Derivatives of 1,4,7-Triazacyclononane. Organic Letters, 2001, 3, 2855-2858.	4.6	40
128	A mechanistic investigation of cell-penetrating Tat peptides with supported lipid membranes. Biochimica Et Biophysica Acta - Biomembranes, 2011, 1808, 1811-1817.	2.6	40
129	Electronic structural insights into efficient MnO_xcatalysts. Journal of Materials Chemistry A, 2014, 2, 18199-18203.	10.3	40
130	Photoelectrochemical water oxidation by screen printed ZnO nanoparticle films: effect of pH on catalytic activity and stability. Nanoscale, 2014, 6, 7585.	5.6	39
131	Binuclear Copper(II) Complexes of Xylyl-Bridged Bis(1,4,7-triazacyclononane) Ligands. Inorganic Chemistry, 2003, 42, 5594-5603.	4.0	38
132	OFFâ€“ON Fluorescent Detection of Thymidine Nucleotides by a Zinc(II)â€“Cyclen Complex Bearing Two Diagonal Pyrenes. Chemistry - A European Journal, 2009, 15, 12941-12944.	3.3	38
133	Early stages of the hydrolysis of chromium(III) in aqueous solutionâ€”VI. Kinetics of intramolecular interconversion between singly- and doubly-bridged hydrolytic dimers. Polyhedron, 1991, 10, 619-628.	2.2	37
134	Electrochemiluminescent Monomers for Solid Support Syntheses of Ru(II)-PNA Bioconjugates: Multimodal Biosensing Tools with Enhanced Duplex Stability. Inorganic Chemistry, 2012, 51, 3302-3315.	4.0	37
135	Synthesis, crystal structures and magnetic properties of linear and bent trinuclear complexes formed by hexacyanometallates and copper(ii) complexes. Dalton Transactions RSC, 2002, , 3723-3730.	2.3	36
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