John Fielden

List of Publications by Year in descending order

41 papers	1,486 citations	331259 21 h-index	315357 38 g-index
44 all docs	44 docs citations	44 times ranked	2149 citing authors

#	Article	IF	Citations
1	Molecule-Based Magnetic Nanoparticles:â€‰ Synthesis of Cobalt Hexacyanoferrate, Cobalt Pentacyanonitrosylferrate, and Chromium Hexacyanochromate Coordination Polymers in Water-in-Oil Microemulsions. Nano Letters, 2002, 2, 225-229.	4.5	246
2	Electron Transfer Dynamics in Semiconductorâ€“Chromophoreâ€“Polyoxometalate Catalyst Photoanodes. Journal of Physical Chemistry C, 2013, 117, 918-926.	1.5	108
3	Discovery of a Family of Isopolyoxotungstates [H4W19O62]6â^' Encapsulating a {WO6} Moiety within a {W18} Dawson-like Cluster Cage. Angewandte Chemie - International Edition, 2006, 45, 4798-4803.	7.2	96
4	Diquat Derivatives: Highly Active, Two-Dimensional Nonlinear Optical Chromophores with Potential Redox Switchability. Journal of the American Chemical Society, 2010, 132, 10498-10512.	6.6	94
5	Polyoxometalate Multiâ€Electronâ€Transfer Catalytic Systems for Water Splitting. European Journal of Inorganic Chemistry, 2014, 2014, 635-644.	1.0	85
6	Water splitting with polyoxometalate-treated photoanodes: enhancing performance through sensitizer design. Chemical Science, 2015, 6, 5531-5543.	3.7	67
7	Combining Very Large Quadratic and Cubic Nonlinear Optical Responses in Extended, Tris-Chelate Metallochromophores with Six Ï€-Conjugated Pyridinium Substituents. Journal of the American Chemical Society, 2010, 132, 3496-3513.	6.6	61
8	Assembly of Ruthenium-Based Complex into Metalâ€“Organic Framework with Tunable Area-Selected Luminescence and Enhanced Photon-to-Electron Conversion Efficiency. Journal of Physical Chemistry C, 2014, 118, 25365-25373.	1.5	61
9	Ligand and Counterion Control of Ag(I) Architectures:â€‰ Assembly of a {Ag₈} Ring Cluster Mediated by Hydrophobic and AgÂ·Â·Â·Ag Interactions. Inorganic Chemistry, 2007, 46, 9090-9097.	1.9	58
10	Controlling Aggregation of Copper(II)-Based Coordination Compounds:Â From Mononuclear to Dinuclear, Tetranuclear, and Polymeric Copper Complexes. Inorganic Chemistry, 2006, 45, 2886-2895.	1.9	47
11	Two-Dimensional, Pyrazine-Based Nonlinear Optical Chromophores with Ruthenium(II) Ammine Electron Donors. Inorganic Chemistry, 2010, 49, 10718-10726.	1.9	47
12	Nickel(II) and Palladium(II) Complexes of Azobenzene-Containing Ligands as Dichroic Dyes. Inorganic Chemistry, 2010, 49, 9136-9150.	1.9	40
13	Extending Metalâ€toâ€Polyoxometalate Charge Transfer Lifetimes: The Effect of Heterometal Location. Chemistry - A European Journal, 2014, 20, 4297-4307.	1.7	36
14	Quadratic and Cubic Nonlinear Optical Properties of Salts of Diquat-Based Chromophores with Diphenylamino Substituents. Journal of Physical Chemistry A, 2010, 114, 12028-12041.	1.1	35
15	Ferrocenyl Diquat Derivatives: Nonlinear Optical Activity, Multiple Redox States, and Unusual Reactivity. Organometallics, 2011, 30, 5731-5743.	1.1	33
16	Donorâ€“acceptor organo-imido polyoxometalates: high transparency, high activity redox-active NLO chromophores. Dalton Transactions, 2016, 45, 2818-2822.	1.6	33
17	Organoimido-Polyoxometalate Nonlinear Optical Chromophores: A Structural, Spectroscopic, and Computational Study. Inorganic Chemistry, 2017, 56, 10181-10194.	1.9	31
18	Syntheses and Properties of Two-Dimensional, Dicationic Nonlinear Optical Chromophores Based on Pyrazinyl Cores. Journal of Organic Chemistry, 2010, 75, 8550-8563.	1.7	30

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19	Transition Metal Substitution Effects on Metal-to-Polyoxometalate Charge Transfer. Inorganic Chemistry, 2016, 55, 4308-4319.	1.9	24
20	Beyond Solvent Exclusion: i-Motif Detecting Capability and an Alternative DNA Light-Switching Mechanism in a Ruthenium(II) Polypyridyl Complex. Journal of the American Chemical Society, 2020, 142, 13856-13866.	6.6	23
21	Increasing p-type dye sensitised solar cell photovoltages using polyoxometalates. Physical Chemistry Chemical Physics, 2017, 19, 18831-18835.	1.3	19
22	Metal-Dependent Formation of Mononuclear Complexes and M2L2 Mesocates with Schiff-Base Ligands. European Journal of Inorganic Chemistry, 2006, 2006, 3930-3935.	1.0	18
23	Fine-tuning polyoxometalate non-linear optical chromophores: a molecular electronic â€œGoldilocksâ€• effect. Dalton Transactions, 2018, 47, 10415-10419.	1.6	18
24	Pyridinium p-DSSC dyes: An old acceptor learns new tricks. Dyes and Pigments, 2019, 165, 508-517.	2.0	18
25	Synthesis of Cu(I) octamolybdates using tetrakis-acetonitrilecopper(I) hexafluorophosphate. Polyhedron, 2009, 28, 2803-2807.	1.0	17
26	Secondary coordination sphere controlled reversible geometry reorganisations in copper(ii) complexes. Chemical Communications, 2004, , 2156.	2.2	15
27	Optical, third order non-linear optical and electrochemical properties of dipolar, centrosymmetric andC_{2v}organoimido polyoxometalate derivatives. Physical Chemistry Chemical Physics, 2021, 23, 11807-11817.	1.3	15
28	Anion control of isomerism, crystal packing and binding properties in a mononuclear zinc complex. Polyhedron, 2006, 25, 3474-3480.	1.0	14
29	A fluorophosphate-based inverse Keggin structure. Dalton Transactions, 2012, 41, 9876.	1.6	12
30	Covalently Linked Polyoxometalateâ€“Polypyrrole Hybrids: Electropolymer Materials with Dual-Mode Enhanced Capacitive Energy Storage. Macromolecules, 2020, 53, 11120-11129.	2.2	12
31	Chiral Hexanuclear Ferric Wheels. Inorganic Chemistry, 2012, 51, 2734-2736.	1.9	9
32	Design and sterospecific synthesis of modular ligands based upon cis-1,3-trans-5-substituted cyclohexanes. New Journal of Chemistry, 2005, 29, 1152.	1.4	8
33	Pyridyl anchored indolium dyes for the p-type dye sensitized solar cell. Dyes and Pigments, 2022, 202, 110244.	2.0	7
34	A Homochiral 2D Copper(II) Coordination Framework. European Journal of Inorganic Chemistry, 2009, 2009, 717-720.	1.0	6
35	[CoxCu1â^'x(DDOP)(OH2)(NO3)](NO3): hydrogen bond-driven distortion of cobalt(ii) by solid solution â€˜network mismatchâ€™. Dalton Transactions, 2012, 41, 4927.	1.6	6
36	Cobalt-based molecular electrocatalysis of nitrile reduction: evolving sustainability beyond hydrogen. Dalton Transactions, 2019, 48, 9576-9580.	1.6	5

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37	Polyoxometalates in Visible-Light Photocatalysis and Solar Energy Conversion. Reviews in Advanced Sciences and Engineering, 2014, 3, 304-319.	0.6	4
38	Inducing Molecular Growth in an {Mo57Fe6}-type Nanocluster: Synthesis, Structure, and Properties of $${hbox{Mo}_{57}hbox{(Mo)}_{2}hbox{Fe}^{m III}_{6}}$$ *. Journal of Cluster Science, 2006, 17, 291-302.	1.7	2
39	Mn3(OAc)6Â·CH3CN: a porous dehydrated manganese(II) acetate. Acta Crystallographica Section C: Crystal Structure Communications, 2009, 65, m224-m227.	0.4	2
40	[Cr8(PhCO2)16O4]Â·4CH3CNÂ·2H2O: structural origin of magnetic anisotropy in a molecular spin cluster. Acta Crystallographica Section C: Crystal Structure Communications, 2010, 66, m253-m256.	0.4	2
41	Designing organic molecules for terahertz radiation generation in robust crystals. , 2010, , .		0