Nathan Hollingsworth

List of Publications by Year
in descending order

36 papers	1,270 citations	394421 19 h-index	361022 35 g-index
40 all docs	40 docs citations	40 times ranked	1830 citing authors

#	Article	IF	Citations
1	Reduction of Carbon Dioxide to Formate at Low Overpotential Using a Superbase Ionic Liquid. Angewandte Chemie - International Edition, 2015, 54, 14164-14168.	13.8	134
2	Multichannel Detection and Differentiation of Explosives with a Quantum Dot Array. ACS Nano, 2016, 10, 1139-1146.	14.6	120
3	Models of the iron-only hydrogenase: a comparison of chelate and bridge isomers of Fe2(CO)4{Ph2PN(R)PPh2}(Î¼-pdt) as proton-reduction catalysts. Dalton Transactions, 2013, 42, 6775.	3.3	111
4	Hydrogenase biomimetics: Fe₂(CO)₄(Î¼-dppf)(Î¼-pdt) (dppf =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td Chemical Communications, 2014, 50, 945-947.	4.1	105
5	Active Nature of Primary Amines during Thermal Decomposition of Nickel Dithiocarbamates to Nickel Sulfide Nanoparticles. Chemistry of Materials, 2014, 26, 6281-6292.	6.7	86
6	Phase control during the synthesis of nickel sulfide nanoparticles from dithiocarbamate precursors. Nanoscale, 2016, 8, 11067-11075.	5.6	64
7	Enhanced Photoresponse of FeS₂ Films: The Role of Marcasiteâ€“Pyrite Phase Junctions. Advanced Materials, 2016, 28, 9602-9607.	21.0	64
8	Copperâ€Doped CdSe/ZnS Quantum Dots: Controllable Photoactivated Copper(I) Cation Storage and Release Vectors for Catalysis. Angewandte Chemie - International Edition, 2014, 53, 1598-1601.	13.8	58
9	Combined EXAFS, XRD, DRIFTS, and DFT Study of Nano Copper-Based Catalysts for CO₂ Hydrogenation. ACS Catalysis, 2016, 6, 5823-5833.	11.2	51
10	Organozinc Aminoalcoholates: Synthesis, Structure, and Materials Chemistry. Inorganic Chemistry, 2008, 47, 12040-12048.	4.0	38
11	Insight into the Nature of Iron Sulfide Surfaces During the Electrochemical Hydrogen Evolution and CO₂ Reduction Reactions. ACS Applied Materials & Interfaces, 2018, 10, 32078-32085.	8.0	33
12	Structural Study of the Reaction of Methylzinc Amino Alcoholates with Oxygen. Organometallics, 2010, 29, 3318-3326.	2.3	32
13	Hydrogenase biomimics containing redox-active ligands: Fe₂(CO)₄(Î¼-edt)(Î¹²-bpcd) with electron-acceptor 4,5-bis(diphenylphosphino)-4-cyclopenten-1,3-dione (bpcd) as a potential [Fe₄â€“S₄]_H surrogate. Dalton Transactions, 2019, 48, 6051-6060.	3.3	31
14	Synthesis of ternary sulfide nanomaterials using dithiocarbamate complexes as single source precursors. Nanoscale Advances, 2019, 1, 3056-3066.	4.6	26
15	Organocadmium Aminoalcoholates: Synthesis, Structure, and Materials Chemistry. Inorganic Chemistry, 2008, 47, 9706-9715.	4.0	25
16	Tin(II) aminoalkoxides and heterobimetallic derivatives: the structures of Sn6(O)4(dmae)4, Sn6(O)4(OEt)4 and [Sn(dmae)2Cd(acac)2]2. Applied Organometallic Chemistry, 2006, 20, 687-695.	3.5	23
17	Fluorinated models of the iron-only hydrogenase: An electrochemical study of the influence of an electron-withdrawing bridge on the proton reduction overpotential and catalyst stability. Journal of Electroanalytical Chemistry, 2013, 703, 14-22.	3.8	23
18	CO2 capture and electrochemical conversion using superbasic [P66614][124Triz]. Faraday Discussions, 2015, 183, 389-400.	3.2	21

#	Article	IF	Citations
19	Doping Group IIB Metal Ions into Quantum Dot Shells via the Oneâ€Pot Decomposition of Metalâ€Dithiocarbamates. Advanced Optical Materials, 2015, 3, 704-712.	7.3	19
20	Synthesis and characterisation of new titanium amino-alkoxides: precursors for the formation of TiO2materials. Dalton Transactions, 2008, , 631-641.	3.3	18
21	Synthesis, Molecular Structures and Electrochemical Investigations of [FeFe]â€Hydrogenase Biomimics [Fe₂(CO)_{6â€<i>n</i>}(EPh₃)<i>_n</i>(Âµâ€edt)] (E = P, As, Sb;) Tj ETQq1 1 0.78431	2.0	17
22	Fe(ii) and Fe(iii) dithiocarbamate complexes as single source precursors to nanoscale iron sulfides: a combined synthetic and in situ XAS approach. Nanoscale Advances, 2019, 1, 2965-2978.	4.6	16
23	Understanding the role of zinc dithiocarbamate complexes as single source precursors to ZnS nanomaterials. Nanoscale Advances, 2020, 2, 798-807.	4.6	16
24	Palladium(II) complexes with 2-acetylamino-5-mercapto-1,3,4-thiadiazolate (amta) ligands: Molecular structures of the all trans dipalladium â€œpaddlewheelâ€•Pd2(Î¼-amta)4 and Pd(Îº1-amta)2(Îº2-dppe). Polyhedron, 2012, 44, 210-214.	2.2	14
25	Surface redox chemistry and mechanochemistry of insulating polystyrene nanospheres. Physical Chemistry Chemical Physics, 2015, 17, 1837-1846.	2.8	14
26	O₂ Insertion into a Cadmiumâ€“Carbon Bond: Structural Characterization of Organocadmium Peroxides. Angewandte Chemie - International Edition, 2012, 51, 4108-4111.	13.8	13
27	Hydrogenase Biomimetics with Redox-Active Ligands: Synthesis, Structure, and Electrocatalytic Studies on [Fe2(CO)4(Îº2-dppn)(Âµ-edt)] (edt = Ethanedithiolate; dppn =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 417 Td (1,8-bis	2.7	10
28	Organocadmium Hydrazide and Hydrazine Complexes. Organometallics, 2009, 28, 2650-2653.	2.3	7
29	The synthesis and reaction chemistry of new amino-functionalised tin(ii) alkoxides. Dalton Transactions, 2010, 39, 5446.	3.3	6
30	Illusive tungsten-imido-dithiocarbamate complexes: Facile carbonâ€“nitrogen bond formation. Inorganic Chemistry Communication, 2011, 14, 1932-1936.	3.9	5
31	<i>In Situ</i> XAS of the Solvothermal Decomposition of Dithiocarbamate Complexes. Journal of Physics: Conference Series, 2013, 430, 012050.	0.4	5
32	Electrocatalytic proton reduction by [Fe(CO) 2 (Îº 2 -dppv)(Îº 1 -SAr) 2] (dppv = cis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222 Td (-1,2-b	2.2	5
33	New Organocadmium Hydrazine Adducts and Hydrazide Complexes. European Journal of Inorganic Chemistry, 2012, 2012, 246-250.	2.0	4
34	{Ni4O4} Cluster Complex to Enhance the Reductive Photocurrent Response on Silicon Nanowire Photocathodes. Nanomaterials, 2017, 7, 33.	4.1	2
35	Capture agents, conversion mechanisms, biotransformations and biomimetics: general discussion. Faraday Discussions, 2015, 183, 463-487.	3.2	1
36	Photoelectrochemistry: Enhanced Photoresponse of FeS2 Films: The Role of Marcasite-Pyrite Phase Junctions (Adv. Mater. 43/2016). Advanced Materials, 2016, 28, 9656-9656.	21.0	0