Andrew Johnson

List of Publications by Year in descending order

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106 papers	2,342 citations	172457 29 h-index	265206 42 g-index
118 all docs	118 docs citations	118 times ranked	3140 citing authors

#	Article	IF	Citations
1	Partial cation substitution reduces iodide ion transport in lead iodide perovskite solar cells. Energy and Environmental Science, 2019, 12, 2264-2272.	30.8	168
2	Simple Protocol for NMR Analysis of the Enantiomeric Purity of Primary Amines. Organic Letters, 2006, 8, 609-612.	4.6	105
3	Polymorph-Selective Deposition of High Purity SnS Thin Films from a Single Source Precursor. Chemistry of Materials, 2015, 27, 7680-7688.	6.7	86
4	Reversible 100â€‰% Linkage Isomerization in a Singleâ€Crystal to Singleâ€Crystal Transformation: Photocrystallographic Identification of the Metastable [Ni(dppe)(Î·¹â€ONO)Cl] Isomer. Angewandte Chemie - International Edition, 2009, 48, 5711-5714.	13.8	80
5	Synthesis and Structures of Group 11 Metal Triazenide Complexes: Ligand Supported Metallophilic Interactions. Inorganic Chemistry, 2009, 48, 8613-8622.	4.0	62
6	Metastable Linkage Isomerism in [Ni(Et₄dien)(NO₂)₂]: A Combined Thermal and Photocrystallographic Structural Investigation of a Nitro/Nitrito Interconversion. Angewandte Chemie - International Edition, 2011, 50, 8371-8374.	13.8	54
7	Azetidinium lead iodide for perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 20658-20665.	10.3	53
8	Synthesis, structure and catalytic activity of an air-stable titanium triflate, supported by an amine tris(phenolate) ligand. Chemical Communications, 2003, , 1750-1751.	4.1	51
9	Attenuated Organomagnesium Activation of White Phosphorus. Angewandte Chemie - International Edition, 2015, 54, 7882-7885.	13.8	49
10	Plasma deposited metal Schiff-base compounds as antimicrobials. New Journal of Chemistry, 2011, 35, 1477.	2.8	45
11	The Molecular Structure of (PSH+)(nido-7,8-C2B9H12-) Determined by Neutron Diffraction (PS = Proton) Tj ETQq1 1 0.784314 rgBT /Ov	4.0	44
12	Structural and vibrational properties of Î±- and Ï€-SnS polymorphs for photovoltaic applications. Acta Materialia, 2020, 183, 1-10.	7.9	43
13	Evaluation of AA-CVD deposited phase pure polymorphs of SnS for thin films solar cells. RSC Advances, 2019, 9, 14899-14909.	3.6	42
14	Crystal and molecular structures of the nido-carborane anions, 7,9- and 2,9-C2B9H12â^'. Dalton Transactions RSC, 2002, , 2132.	2.3	41
15	Solidâ€State Interconversions: Unique 100â€‰% Reversible Transformations between the Ground and Metastable States in Singleâ€Crystals of a Series of Nickel(II) Nitro Complexes. Chemistry - A European Journal, 2014, 20, 5468-5477.	3.3	40
16	Aerosol-Assisted Chemical Vapor Deposition of CdS from Xanthate Single Source Precursors. Crystal Growth and Design, 2017, 17, 907-912.	3.0	40
17	Tin guanidinato complexes: oxidative control of Sn, SnS, SnSe and SnTe thin film deposition. Dalton Transactions, 2018, 47, 5031-5048.	3.3	40
18	Organozinc Aminoalcoholates: Synthesis, Structure, and Materials Chemistry. Inorganic Chemistry, 2008, 47, 12040-12048.	4.0	38

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19	Synthesis, Isolation and Structural Investigation of Schiff-Base Alkoxytitanium Complexes: Steric Limitations of Ligand Coordination. European Journal of Inorganic Chemistry, 2006, 2006, 3088-3098.	2.0	37
20	Synthesis and Characterization of Zinc Ketoiminate and Zinc Alkoxideâ€"/Phenoxideâ€"Ketoiminate Complexes. European Journal of Inorganic Chemistry, 2013, 2013, 1541-1554.	2.0	36
21	Isolation and characterisation of transition and main group metal complexes supported by hydrogen-bonded zwitterionic polyphenolic ligandsElectronic supplementary information (ESI) available: full synthetic and spectroscopic details. See http://www.rsc.org/suppdata/cc/b3/b303618a/. Chemical Communications, 2003, , 1832.	4.1	35
22	Photoactivated linkage isomerism in single crystals of nickel, palladium and platinum di-nitro complexes â€" a photocrystallographic investigation. Dalton Transactions, 2012, 41, 13173.	3.3	35
23	Multinuclear Copper(I) Guanidinate Complexes. Inorganic Chemistry, 2012, 51, 246-257.	4.0	34
24	Exclusive formation of SnO by low temperature single-source AACVD. Chemical Communications, 2013, 49, 8773.	4.1	33
25	Structural Study of the Reaction of Methylzinc Amino Alcoholates with Oxygen. Organometallics, 2010, 29, 3318-3326.	2.3	32
26	Antimicrobial surface grafted thermally responsive PNIPAM-co-ALA nano-gels. Chemical Communications, 2011, 47, 12777.	4.1	32
27	Photocrystallographic identification of metastable nitrito linkage isomers in a series of nickel(<scp>ii</scp>) complexes. Dalton Transactions, 2012, 41, 90-97.	3.3	30
28	Titanium(IV) complexes of oximes â€" Novel binding modes. Polyhedron, 2007, 26, 975-980.	2.2	29
29	Synthesis and structure of aluminium amine-phenolate complexes. Dalton Transactions, 2009, , 5551.	3.3	29
30	Accessing the antipodal series in microbial arene oxidation: a novel diene rearrangement induced by tricarbonyliron(0) complexation. Chemical Communications, 2011, 47, 215-217.	4.1	29
31	An organo-silver compound that shows antimicrobial activity against Pseudomonas aeruginosa as a monomer and plasma deposited film. Chemical Communications, 2009, , 7312.	4.1	28
32	An Air Stable Moisture Resistant Titanium Triflate Complex as a Lewis Acid Catalyst for Cï£¿C Bond Forming Reactions. Chemistry - an Asian Journal, 2010, 5, 612-620.	3.3	27
33	A temporary stereocentre approach for the asymmetric synthesis of chiral cyclopropane-carboxaldehydes. Organic and Biomolecular Chemistry, 2009, 7, 3537.	2.8	26
34	Insertion and cleavage reactions of [closo-3,1,2-Ta(NMe2)3(C2B9H11)] with nitriles, phenols and thiols; structural characterisation of N,N-dimethylamidinate ligandsâ€Šâ€. Dalton Transactions RSC, 2000, , 3526-3533.	2.3	25
35	A novel strategy for the asymmetric synthesis of chiral cyclopropane carboxaldehydes. Chemical Communications, 2005, , 2372.	4.1	25
36	Organocadmium Aminoalcoholates: Synthesis, Structure, and Materials Chemistry. Inorganic Chemistry, 2008, 47, 9706-9715.	4.0	25

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37	The Reaction and Materials Chemistry of [Sn₆(O)₄(OSiMe₃)₄]: Chemical Vapour Deposition of Tin Oxide. ChemPlusChem, 2013, 78, 866-874.	2.8	24
38	Attenuated Organomagnesium Activation of White Phosphorus. Angewandte Chemie, 2015, 127, 7993-7996.	2.0	24
39	Deposition of SnS Thin Films from Sn(II) Thioamidate Precursors. Crystal Growth and Design, 2017, 17, 5544-5551.	3.0	24
40	Neutron Diffraction Study of a PhenolÂ·Nitroxide Radical Adduct:Â A Structural Model for Hydrogen Atom Abstraction by Peroxyl Radicals from Vitamin E and Related Phenolic Antioxidants. Journal of the American Chemical Society, 2001, 123, 9164-9165.	13.7	23
41	Crystallographic characterisation of novel Zn(II) silsesquioxane complexes and their application as initiators for the production of polylactide. Polyhedron, 2010, 29, 312-316.	2.2	22
42	Do the discrete dianions C2B9H112â^' exist? Characterisation of alkali metal salts of the 11-vertex nido dicarboranes, C2B9H112â^', in solution. Dalton Transactions RSC, 2002, , 2009.	2.3	20
43	Synthesis and Materials Chemistry of Bismuth Tris-(di-i-propylcarbamate): Deposition of Photoactive Bi₂O₃ Thin Films. Inorganic Chemistry, 2014, 53, 503-511.	4.0	20
44	Zn-Doped Fe₂TiO₅ Pseudobrookite-Based Photoanodes Grown by Aerosol-Assisted Chemical Vapor Deposition. ACS Applied Energy Materials, 2020, 3, 12066-12077.	5.1	20
45	First structural characterisation of a 2,1,12-MC2B9 metallacarborane, [2,2,2-(NMe2)3-closo-2,1,12-TaC2B9H11]. Trends in boron NMR shifts on replacing a {BH} vertex with a metal {MLn} vertex in icosahedral carboranes. Dalton Transactions RSC, 2000, , 3519-3525.	2.3	19
46	Cobalt(III) Diazabutadiene Precursors for Metal Deposition: Nanoparticle and Thin Film Growth. Inorganic Chemistry, 2013, 52, 13719-13729.	4.0	19
47	Cobalt(I) Olefin Complexes: Precursors for Metalâ€“Organic Chemical Vapor Deposition of High Purity Cobalt Metal Thin Films. Inorganic Chemistry, 2016, 55, 7141-7151.	4.0	19
48	Reactivity of boranes with a titanium(iv) amine tris(phenolate) alkoxide complex; formation of a Ti(iv) tetrahydroborate complex, a Ti(iii) dimer and a Ti(iv) hydroxide Lewis acid adduct. Dalton Transactions, 2007, , 5405.	3.3	18
49	TiO₂ photoanodes with exposed {0 1 0} facets grown by aerosol-assisted chemical vapor deposition of a titanium oxo/alkoxy cluster. Journal of Materials Chemistry A, 2019, 7, 19161-19172.	10.3	18
50	9,12-Diiodo-1,2-dicarba-closo-dodecaborane(12). Acta Crystallographica Section C: Crystal Structure Communications, 2003, 59, o74-o76.	0.4	17
51	An antimicrobial zinc based molecule for cross linking poly-acrylic acid. European Polymer Journal, 2011, 47, 1338-1345.	5.4	17
52	Oxidative Addition to Sn^{II} Guanidinate Complexes: Precursors to Tin(II) Chalcogenide Nanocrystals. European Journal of Inorganic Chemistry, 2018, 2018, 1670-1678.	2.0	17
53	Titanium(IV) Complexes of Hydrazones and Azines. European Journal of Inorganic Chemistry, 2006, 2006, 4449-4454.	2.0	16
54	Aerosol-Assisted Chemical Vapor Deposition of ZnS from Thioureide Single Source Precursors. Inorganic Chemistry, 2019, 58, 2784-2797.	4.0	16

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55	Aerosol-assisted CVD of SnO from stannous alkoxide precursors. Dalton Transactions, 2016, 45, 18252-18258.	3.3	15
56	Synthesis, Characterization, and Materials Chemistry of Group 4 Silylimides. Inorganic Chemistry, 2011, 50, 12053-12063.	4.0	14
57	Synthesis of complexes with the polydentate ligand N,Nâ€²-bis(2-hydroxyphenyl)-pyridine-2,6-dicarboxamide. Polyhedron, 2011, 30, 284-292.	2.2	14
58	The first crystallographically-characterised Cu(II) xanthate. Inorganic Chemistry Communication, 2014, 49, 8-11.	3.9	14
59	Synthesis and Characterization of Fluorinated Î²â€Ketoiminate Zinc Precursors and Their Utility in the APâ€MOCVD Growth of ZnO:F. European Journal of Inorganic Chemistry, 2015, 2015, 4362-4372.	2.0	14
60	Tin(IV) Chalcogenide Complexes: Single Source Precursors for SnS, SnSe and SnTe Nanoparticle Synthesis. European Journal of Inorganic Chemistry, 2016, 2016, 4711-4720.	2.0	14
61	Unprecedented double migratory insertion of phenyl isocyanide into cyclopentadienyl Câ€“H bonds. Dalton Transactions, 2009, , 922.	3.3	13
62	O₂ Insertion into a Cadmiumâ€“Carbon Bond: Structural Characterization of Organocadmium Peroxides. Angewandte Chemie - International Edition, 2012, 51, 4108-4111.	13.8	13
63	Homoleptic zirconium amidates: single source precursors for the aerosol-assisted chemical vapour deposition of ZrO₂. Journal of Materials Chemistry C, 2016, 4, 10731-10739.	5.5	13
64	Mo-doped TiO₂photoanodes using [Ti₄Mo₂O₈(OEt)₁₀]₂bimetallic oxo cages as a single source precursor. Sustainable Energy and Fuels, 2018, 2, 2674-2686.	4.9	13
65	Why are the {Cu₄N₄} rings in copper(<scp>i</scp>) phosphinimide clusters [Cu{Î¼-NîPR₃}]₄(R = NMe₃or Ph) planar?. Dalton Transactions, 2015, 44, 5611-5619.	3.3	11
66	Synthesis and Structure of 6-Aminofulvene-2-aldiminate Complexes. Inorganic Chemistry, 2011, 50, 937-948.	4.0	10
67	A cobalt complex of a microbial arene oxidation product. Chemistry Central Journal, 2011, 5, 80.	2.6	10
68	Inorganic and Organozinc Fluorocarboxylates: Synthesis, Structure and Materials Chemistry. Inorganic Chemistry, 2013, 52, 5515-5526.	4.0	10
69	Tailoring Precursors for Deposition: Synthesis, Structure, and Thermal Studies of Cyclopentadienylcopper(I) Isocyanide Complexes. Inorganic Chemistry, 2015, 54, 4869-4881.	4.0	9
70	Precursors for pâ€Type Nickel Oxide: Atmosphericâ€Pressure Metalâ€“Organic Chemicalâ€Vapour Deposition (MOCVD) of Nickel Oxide Thin Films with High Work Functions. European Journal of Inorganic Chemistry, 2017, 2017, 1868-1876.	2.0	8
71	Synthesis, characterisation and thermal properties of Sn(<scp>ii</scp>) pyrrolide complexes. Dalton Transactions, 2018, 47, 7721-7729.	3.3	8
72	Organocadmium Hydrazide and Hydrazine Complexes. Organometallics, 2009, 28, 2650-2653.	2.3	7

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73	The synthesis of Wâ€“Oâ€“W Î¼-oxo clusters by hydrolysis of tungsten aminoalkoxides and their structural characterisation. Dalton Transactions, 2012, 41, 11393.	3.3	7
74	Boron, aluminium, gallium, indium and thallium. Annual Reports on the Progress of Chemistry Section A, 2012, 108, 61.	0.8	7
75	CVD of pure copper films from novel iso-ureate complexes. Dalton Transactions, 2013, 42, 5554.	3.3	7
76	Synthesis, structural and thermal characterisation of titanium silylamido complexes. Journal of Organometallic Chemistry, 2014, 772-773, 27-33.	1.8	7
77	Highâ€Throughput Atomic Layer Deposition of Pâ€Type SnO Thin Film Transistors Using Tin(II)bis(tertâ€amyloxide). Advanced Materials Interfaces, 2022, 9, .	3.7	7
78	Structural Tungsten-Imido Chemistry: The Gas-Phase Structure of W(NBut)2(NHBut)2and the Solid-State Structures of Novel Heterobimetallic W/N/M (M = Rh, Pd, Zn) Species. Inorganic Chemistry, 2009, 48, 2289-2299.	4.0	6
79	Single-source AACVD of composite cobalt-silicon oxide thin films. Inorganica Chimica Acta, 2014, 422, 47-56.	2.4	6
80	Single Source Precursors for Calcium Sulfide (CaS) Deposition. European Journal of Inorganic Chemistry, 2019, 2019, 3962-3969.	2.0	6
81	Synthetic, Structural, and Computational Studies on Heavier Tetragen and Chalcogen Triazenide Complexes. Inorganic Chemistry, 2019, 58, 16660-16666.	4.0	6
82	Synthesis, Isolation and Structural Characterisation of Alkoxytitanium Triflate Complexes. European Journal of Inorganic Chemistry, 2011, 2011, 5151-5159.	2.0	5
83	Synthesis of heterobimetallic tungsten acetylacetonate/alkoxide complexes and their application as molecular precursors to metal tungstates. Polyhedron, 2013, 59, 85-90.	2.2	5
84	Photo-Chlorine Production with Hydrothermally Grown and Vacuum-Annealed Nanocrystalline Rutile. Electrocatalysis, 2021, 12, 65-77.	3.0	5
85	The synthesis of a novel heterobimetallic amidotungstenâ€“antimony complex. Polyhedron, 2010, 29, 1607-1611.	2.2	4
86	Acid activation of titanium alkoxide systems â€“ Structural characterisation of Ti(IV) sulfonyl-imide complexes. Inorganica Chimica Acta, 2010, 363, 2209-2214.	2.4	4
87	Bis(tert-butyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td (isocyanide-ÎºC)[4-fluoro-N-({2-[N-(4-fl Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, m215-m217.	0.4	4
88	New Organocadmium Hydrazine Adducts and Hydrazide Complexes. European Journal of Inorganic Chemistry, 2012, 2012, 246-250.	2.0	4
89	New organo- and amidozinc derivatives of primary amines. Dalton Transactions, 2014, 43, 859-864.	3.3	4
90	Synthesis, Structure and Chemical Vapour Deposition Studies on the Group 13 Complexes [Me₂MÂ{tfacnac}] [M = Al, Ga, In; Htfacnac = F₃CC(OH)CHC(CH₃)NCH₂CH₂OCH₃]. European Journal of Inorganic Chemistry, 2016, 2016, 1712-1719.	2.0	4

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91	N-Heterocyclic Carbene Adducts of Molybdenum Tetracarboxylate Complexes. Organometallics, 2016, 35, 2494-2506.	2.3	4
92	Atomic scale surface modification of TiO₂ 3D nano-arrays: plasma enhanced atomic layer deposition of NiO for photocatalysis. Materials Advances, 2021, 2, 273-279.	5.4	4
93	3ÂÂBoron. Annual Reports on the Progress of Chemistry Section A, 2005, 101, 34.	0.8	3
94	Boron, aluminium, gallium, indium and thallium. Annual Reports on the Progress of Chemistry Section A, 2007, 103, 54-89.	0.8	3
95	Boron, aluminium, gallium, indium and thallium. Annual Reports on the Progress of Chemistry Section A, 2010, 106, 62.	0.8	3
96	Phosphorus-Substituted Azulenes Accessed via Direct Hafner Reaction of a Phosphino Cyclopentadienide. Synlett, 2017, 28, 973-975.	1.8	3
97	Simple Protocol for NMR Analysis of the Enantiomeric Purity of Primary Amines. Organic Letters, 2006, 8, 2203-2203.	4.6	2
98	Boron, aluminium, gallium, indium and thallium. Annual Reports on the Progress of Chemistry Section A, 2011, 107, 57.	0.8	2
99	Lithium and potassium aminoalkoxides. Main Group Metal Chemistry, 2012, 35, .	1.6	2
100	Evaluation of Sn(<scp>ii</scp>) aminoalkoxide precursors for atomic layer deposition of SnO thin films. Dalton Transactions, 2021, 50, 13902-13914.	3.3	2
101	TiO₂ nanocrystal rods on titanium microwires: growth, vacuum annealing, and photoelectrochemical oxygen evolution. New Journal of Chemistry, 2022, 46, 8385-8392.	2.8	2
102	Poly[Î¼2-acetato-diacetonitrile[Î¼2-N,Nâ€²-bis(2-hydroxyphenyl)pyridine-2,6-dicarboxamide]potassium(I)]. Acta Crystallographica Section E: Structure Reports Online, 2006, 62, m2359-m2360.	0.2	1
103	The synthesis of Wâ€“Oâ€“M (M=Al, Ti, Ni, Zn) Î¼â€“oxo clusters by hydrolysis of tungsten aminoalkoxides and their structural characterisation. Polyhedron, 2013, 63, 199-206.	2.2	1
104	Tin(II) Ureide Complexes: Synthesis, Structural Chemistry, and Evaluation as SnO Precursors. Inorganic Chemistry, 2021, 60, 17083-17093.	4.0	1
105	Densities of internally mixed organic-inorganic particles from mobility diameter measurements of aerodynamically classified aerosols. Aerosol Science and Technology, 2022, 56, 688-710.	3.1	1
106	A Novel Strategy for the Asymmetric Synthesis of Chiral Cyclopropane Carboxaldehydes.. ChemInform, 2005, 36, no.	0.0	0