

Andrew Johnson

List of Publications by Year in descending order

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106
papers

2,342
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172457

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	High-Throughput Atomic Layer Deposition of α -SnO Thin Film Transistors Using Tin(II)bis(tert-amyl)oxide. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	7
2	TiO ₂ nanocrystal rods on titanium microwires: growth, vacuum annealing, and photoelectrochemical oxygen evolution. <i>New Journal of Chemistry</i> , 2022, 46, 8385-8392.	2.8	2
3	Densities of internally mixed organic-inorganic particles from mobility diameter measurements of aerodynamically classified aerosols. <i>Aerosol Science and Technology</i> , 2022, 56, 688-710.	3.1	1
4	Atomic scale surface modification of TiO ₂ 3D nano-arrays: plasma enhanced atomic layer deposition of NiO for photocatalysis. <i>Materials Advances</i> , 2021, 2, 273-279.	5.4	4
5	Photo-Chlorine Production with Hydrothermally Grown and Vacuum-Annealed Nanocrystalline Rutile. <i>Electrocatalysis</i> , 2021, 12, 65-77.	3.0	5
6	Evaluation of Sn(aminoalkoxide) precursors for atomic layer deposition of SnO thin films. <i>Dalton Transactions</i> , 2021, 50, 13902-13914.	3.3	2
7	Tin(II) Ureide Complexes: Synthesis, Structural Chemistry, and Evaluation as SnO Precursors. <i>Inorganic Chemistry</i> , 2021, 60, 17083-17093.	4.0	1
8	Structural and vibrational properties of β - and γ -SnS polymorphs for photovoltaic applications. <i>Acta Materialia</i> , 2020, 183, 1-10.	7.9	43
9	Zn-Doped Fe ₂ TiO ₅ Pseudobrookite-Based Photoanodes Grown by Aerosol-Assisted Chemical Vapor Deposition. <i>ACS Applied Energy Materials</i> , 2020, 3, 12066-12077.	5.1	20
10	TiO ₂ photoanodes with exposed {0 1 0} facets grown by aerosol-assisted chemical vapor deposition of a titanium oxo/alkoxy cluster. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19161-19172.	10.3	18
11	Single Source Precursors for Calcium Sulfide (CaS) Deposition. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 3962-3969.	2.0	6
12	Aerosol-Assisted Chemical Vapor Deposition of ZnS from Thioureide Single Source Precursors. <i>Inorganic Chemistry</i> , 2019, 58, 2784-2797.	4.0	16
13	Partial cation substitution reduces iodide ion transport in lead iodide perovskite solar cells. <i>Energy and Environmental Science</i> , 2019, 12, 2264-2272.	30.8	168
14	Evaluation of AA-CVD deposited phase pure polymorphs of SnS for thin films solar cells. <i>RSC Advances</i> , 2019, 9, 14899-14909.	3.6	42
15	Synthetic, Structural, and Computational Studies on Heavier Tetragen and Chalcogen Triazenide Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 16660-16666.	4.0	6
16	Oxidative Addition to Sn ^{II} Guanidinate Complexes: Precursors to Tin(II) Chalcogenide Nanocrystals. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1670-1678.	2.0	17
17	Tin guanidinato complexes: oxidative control of Sn, SnS, SnSe and SnTe thin film deposition. <i>Dalton Transactions</i> , 2018, 47, 5031-5048.	3.3	40
18	Mo-doped TiO ₂ photoanodes using [Ti ₄ Mo ₂ O ₈ (OEt) ₁₀] ₂ bimetallic oxo cages as a single source precursor. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2674-2686.	4.9	13

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19	Synthesis, characterisation and thermal properties of Sn(II) pyrrolide complexes. Dalton Transactions, 2018, 47, 7721-7729.	3.3	8
20	Precursors for μ -Type Nickel Oxide: Atmospheric-Pressure Metal-Organic Chemical Vapour Deposition (MOCVD) of Nickel Oxide Thin Films with High Work Functions. European Journal of Inorganic Chemistry, 2017, 2017, 1868-1876.	2.0	8
21	Phosphorus-Substituted Azulenes Accessed via Direct Hafner Reaction of a Phosphino Cyclopentadienide. Synlett, 2017, 28, 973-975.	1.8	3
22	Aerosol-Assisted Chemical Vapor Deposition of CdS from Xanthate Single Source Precursors. Crystal Growth and Design, 2017, 17, 907-912.	3.0	40
23	Azetidinium lead iodide for perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 20658-20665.	10.3	53
24	Deposition of SnS Thin Films from Sn(II) Thioamidate Precursors. Crystal Growth and Design, 2017, 17, 5544-5551.	3.0	24
25	Synthesis, Structure and Chemical Vapour Deposition Studies on the Group 13 Complexes $[Me_2M\{tfacnac\}]$ $[M = Al, Ga, In; Htfacnac = F_3CC(OH)CH(CH_3)_2NCH_2CH_2OCH_3]$. European Journal of Inorganic Chemistry, 2016, 2016, 1712-1719.	2.0	4
26	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
27	N-Heterocyclic Carbene Adducts of Molybdenum Tetracarboxylate Complexes. Organometallics, 2016, 35, 2494-2506.	2.3	4
28	Homoleptic zirconium amidates: single source precursors for the aerosol-assisted chemical vapour deposition of ZrO_2 . Journal of Materials Chemistry C, 2016, 4, 10731-10739.	5.5	13
29	Aerosol-assisted CVD of SnO from stannous alkoxide precursors. Dalton Transactions, 2016, 45, 18252-18258.	3.3	15
30	Cobalt(I) Olefin Complexes: Precursors for Metal-Organic Chemical Vapor Deposition of High Purity Cobalt Metal Thin Films. Inorganic Chemistry, 2016, 55, 7141-7151.	4.0	19
31	Attenuated Organomagnesium Activation of White Phosphorus. Angewandte Chemie - International Edition, 2015, 54, 7882-7885.	13.8	49
32	Synthesis and Characterization of Fluorinated β -Ketoiminate Zinc Precursors and Their Utility in the AP-MOCVD Growth of ZnO:F. European Journal of Inorganic Chemistry, 2015, 2015, 4362-4372.	2.0	14
33	Attenuated Organomagnesium Activation of White Phosphorus. Angewandte Chemie, 2015, 127, 7993-7996.	2.0	24
34	Why are the $\{Cu_4N_4\}$ rings in copper(II) phosphinimide clusters $[Cu_{1/4}Ni_3PR_3]_4$ ($R = NMe_3$ or Ph) planar?. Dalton Transactions, 2015, 44, 5611-5619.	3.3	11
35	Tailoring Precursors for Deposition: Synthesis, Structure, and Thermal Studies of Cyclopentadienylcopper(I) Isocyanide Complexes. Inorganic Chemistry, 2015, 54, 4869-4881.	4.0	9
36	Polymorph-Selective Deposition of High Purity SnS Thin Films from a Single Source Precursor. Chemistry of Materials, 2015, 27, 7680-7688.	6.7	86

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37	Synthesis, structural and thermal characterisation of titanium silylamido complexes. <i>Journal of Organometallic Chemistry</i> , 2014, 772-773, 27-33.	1.8	7
38	Synthesis and Materials Chemistry of Bismuth <i>Tris</i> -(di- <i>i</i> -propylcarbamate): Deposition of Photoactive Bi ₂ O ₃ Thin Films. <i>Inorganic Chemistry</i> , 2014, 53, 503-511.	4.0	20
39	Solid-State Interconversions: Unique 100% Reversible Transformations between the Ground and Metastable States in Single-Crystals of a Series of Nickel(II) Nitro Complexes. <i>Chemistry - A European Journal</i> , 2014, 20, 5468-5477.	3.3	40
40	New organo- and amidozinc derivatives of primary amines. <i>Dalton Transactions</i> , 2014, 43, 859-864.	3.3	4
41	The first crystallographically-characterised Cu(II) xanthate. <i>Inorganic Chemistry Communication</i> , 2014, 49, 8-11.	3.9	14
42	Single-source AACVD of composite cobalt-silicon oxide thin films. <i>Inorganica Chimica Acta</i> , 2014, 422, 47-56.	2.4	6
43	Cobalt(III) Diazabutadiene Precursors for Metal Deposition: Nanoparticle and Thin Film Growth. <i>Inorganic Chemistry</i> , 2013, 52, 13719-13729.	4.0	19
44	The Reaction and Materials Chemistry of [Sn ₆ (O) ₄ (OSiMe ₃) ₄]: Chemical Vapour Deposition of Tin Oxide. <i>ChemPlusChem</i> , 2013, 78, 866-874.	2.8	24
45	CVD of pure copper films from novel iso-ureate complexes. <i>Dalton Transactions</i> , 2013, 42, 5554.	3.3	7
46	Synthesis of heterobimetallic tungsten acetylacetonate/alkoxide complexes and their application as molecular precursors to metal tungstates. <i>Polyhedron</i> , 2013, 59, 85-90.	2.2	5
47	The synthesis of W ^{IV} -M (M=Al, Ti, Ni, Zn) μ_4 -oxo clusters by hydrolysis of tungsten aminoalkoxides and their structural characterisation. <i>Polyhedron</i> , 2013, 63, 199-206.	2.2	1
48	Synthesis and Characterization of Zinc Ketoiminate and Zinc Alkoxide/Phenoxide-Ketoiminate Complexes. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 1541-1554.	2.0	36
49	Exclusive formation of SnO by low temperature single-source AACVD. <i>Chemical Communications</i> , 2013, 49, 8773.	4.1	33
50	Inorganic and Organozinc Fluorocarboxylates: Synthesis, Structure and Materials Chemistry. <i>Inorganic Chemistry</i> , 2013, 52, 5515-5526.	4.0	10
51	Lithium and potassium aminoalkoxides. <i>Main Group Metal Chemistry</i> , 2012, 35, .	1.6	2
52	The synthesis of W ^{IV} -W μ_4 -oxo clusters by hydrolysis of tungsten aminoalkoxides and their structural characterisation. <i>Dalton Transactions</i> , 2012, 41, 11393.	3.3	7
53	Boron, aluminium, gallium, indium and thallium. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2012, 108, 61.	0.8	7
54	Photoactivated linkage isomerism in single crystals of nickel, palladium and platinum di-nitro complexes - a photocystallographic investigation. <i>Dalton Transactions</i> , 2012, 41, 13173.	3.3	35

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55	Photocrystallographic identification of metastable nitrito linkage isomers in a series of nickel(Ni^{II}) complexes. Dalton Transactions, 2012, 41, 90-97.	3.3	30
56	Multinuclear Copper(I) Guanidinate Complexes. Inorganic Chemistry, 2012, 51, 246-257.	4.0	34
57	O_2 Insertion into a Cadmium-Carbon Bond: Structural Characterization of Organocadmium Peroxides. Angewandte Chemie - International Edition, 2012, 51, 4108-4111.	13.8	13
58	New Organocadmium Hydrazine Adducts and Hydrazide Complexes. European Journal of Inorganic Chemistry, 2012, 2012, 246-250.	2.0	4
59	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
60	Antimicrobial surface grafted thermally responsive PNIPAM-co-ALA nano-gels. Chemical Communications, 2011, 47, 12777.	4.1	32
61	Synthesis and Structure of 6-Aminofulvene-2-aldiminate Complexes. Inorganic Chemistry, 2011, 50, 937-948.	4.0	10
62	Synthesis, Characterization, and Materials Chemistry of Group 4 Silylimides. Inorganic Chemistry, 2011, 50, 12053-12063.	4.0	14
63	Plasma deposited metal Schiff-base compounds as antimicrobials. New Journal of Chemistry, 2011, 35, 1477.	2.8	45
64	Boron, aluminium, gallium, indium and thallium. Annual Reports on the Progress of Chemistry Section A, 2011, 107, 57.	0.8	2
65	Synthesis of complexes with the polydentate ligand N,N' -bis(2-hydroxyphenyl)-pyridine-2,6-dicarboxamide. Polyhedron, 2011, 30, 284-292.	2.2	14
66	A cobalt complex of a microbial arene oxidation product. Chemistry Central Journal, 2011, 5, 80.	2.6	10
67	Bis(<i>tert</i> -butyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 Td (isocyanide- C)[4-fluoro- N -(2- N -(4-fluorophenyl)phenyl)pyridine-2,6-dicarboxamide]. Acta Crystallographica Section C: Crystal Structure Communications, 2011, 67, m215-m217.	0.4	4
68	Synthesis, Isolation and Structural Characterisation of Alkoxytitanium Triflate Complexes. European Journal of Inorganic Chemistry, 2011, 2011, 5151-5159.	2.0	5
69	Metastable Linkage Isomerism in $[\text{Ni}(\text{Et}_4\text{dien})(\text{NO}_2)_2]$: A Combined Thermal and Photocrystallographic Structural Investigation of a Nitro/Nitrito Interconversion. Angewandte Chemie - International Edition, 2011, 50, 8371-8374.	13.8	54
70	An antimicrobial zinc based molecule for cross linking poly-acrylic acid. European Polymer Journal, 2011, 47, 1338-1345.	5.4	17
71	An Air Stable Moisture Resistant Titanium Triflate Complex as a Lewis Acid Catalyst for $\text{C}\equiv\text{C}$ Bond Forming Reactions. Chemistry - an Asian Journal, 2010, 5, 612-620.	3.3	27
72	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

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73	The synthesis of a novel heterobimetallic amidotungsten-antimony complex. <i>Polyhedron</i> , 2010, 29, 1607-1611.	2.2	4
74	Acid activation of titanium alkoxide systems – Structural characterisation of Ti(IV) sulfonyl-imide complexes. <i>Inorganica Chimica Acta</i> , 2010, 363, 2209-2214.	2.4	4
75	Structural Study of the Reaction of Methylzinc Amino Alcoholates with Oxygen. <i>Organometallics</i> , 2010, 29, 3318-3326.	2.3	32
76	Boron, aluminium, gallium, indium and thallium. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2010, 106, 62.	0.8	3
77	Reversible 100% Linkage Isomerization in a Single-Crystal to Single-Crystal Transformation: Photocrystallographic Identification of the Metastable [Ni(dppe)(η^1 -NO)Cl] Isomer. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 5711-5714.	13.8	80
78	Organocadmium Hydrazide and Hydrazine Complexes. <i>Organometallics</i> , 2009, 28, 2650-2653.	2.3	7
79	Structural Tungsten-Imido Chemistry: The Gas-Phase Structure of W(NBut) ₂ (NHBut) ₂ and the Solid-State Structures of Novel Heterobimetallic W/N/M (M = Rh, Pd, Zn) Species. <i>Inorganic Chemistry</i> , 2009, 48, 2289-2299.	4.0	6
80	Synthesis and structure of aluminium amine-phenolate complexes. <i>Dalton Transactions</i> , 2009, , 5551.	3.3	29
81	Synthesis and Structures of Group 11 Metal Triazenide Complexes: Ligand Supported Metallophilic Interactions. <i>Inorganic Chemistry</i> , 2009, 48, 8613-8622.	4.0	62
82	An organo-silver compound that shows antimicrobial activity against <i>Pseudomonas aeruginosa</i> as a monomer and plasma deposited film. <i>Chemical Communications</i> , 2009, , 7312.	4.1	28
83	Unprecedented double migratory insertion of phenyl isocyanide into cyclopentadienyl C-H bonds. <i>Dalton Transactions</i> , 2009, , 922.	3.3	13
84	A temporary stereocentre approach for the asymmetric synthesis of chiral cyclopropane-carboxaldehydes. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3537.	2.8	26
85	Organocadmium Aminoalcoholates: Synthesis, Structure, and Materials Chemistry. <i>Inorganic Chemistry</i> , 2008, 47, 9706-9715.	4.0	25
86	Organozinc Aminoalcoholates: Synthesis, Structure, and Materials Chemistry. <i>Inorganic Chemistry</i> , 2008, 47, 12040-12048.	4.0	38
87	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. <i>Dalton Transactions</i> , 2007, , 5405.	3.3	18
88	Boron, aluminium, gallium, indium and thallium. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2007, 103, 54-89.	0.8	3
89	Titanium(IV) complexes of oximes – Novel binding modes. <i>Polyhedron</i> , 2007, 26, 975-980.	2.2	29
90	Simple Protocol for NMR Analysis of the Enantiomeric Purity of Primary Amines. <i>Organic Letters</i> , 2006, 8, 2203-2203.	4.6	2

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91	Simple Protocol for NMR Analysis of the Enantiomeric Purity of Primary Amines. <i>Organic Letters</i> , 2006, 8, 609-612.	4.6	105
92	Poly[$\frac{1}{4}$ 2-acetato-diacetonitrile [$\frac{1}{4}$ 2-N,N ϵ^2 -bis(2-hydroxyphenyl)pyridine-2,6-dicarboxamide]potassium(I)]. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2006, 62, m2359-m2360.	0.2	1
93	Synthesis, Isolation and Structural Investigation of Schiff-Base Alkoxytitanium Complexes: Steric Limitations of Ligand Coordination. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3088-3098.	2.0	37
94	Titanium(IV) Complexes of Hydrazones and Azines. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 4449-4454.	2.0	16
95	A Novel Strategy for the Asymmetric Synthesis of Chiral Cyclopropane Carboxaldehydes.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
96	A novel strategy for the asymmetric synthesis of chiral cyclopropane carboxaldehydes. <i>Chemical Communications</i> , 2005, , 2372.	4.1	25
97	3 ϵ Boron. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2005, 101, 34.	0.8	3
98	9,12-Diiodo-1,2-dicarba-closo-dodecaborane(12). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003, 59, o74-o76.	0.4	17
99	Isolation and characterisation of transition and main group metal complexes supported by hydrogen-bonded zwitterionic polyphenolic ligands Electronic supplementary information (ESI) available: full synthetic and spectroscopic details. See http://www.rsc.org/suppdata/cc/b3/b303618a/ . <i>Chemical Communications</i> , 2003, , 1832.	4.1	35
100	Synthesis, structure and catalytic activity of an air-stable titanium triflate, supported by an amine tris(phenolate) ligand. <i>Chemical Communications</i> , 2003, , 1750-1751.	4.1	51
101	Do the discrete dianions C ₂ B ₉ H ₁₁ 2 ϵ^- exist? Characterisation of alkali metal salts of the 11-vertex nido dicarboranes, C ₂ B ₉ H ₁₁ 2 ϵ^- , in solution. <i>Dalton Transactions RSC</i> , 2002, , 2009.	2.3	20
102	Crystal and molecular structures of the nido-carborane anions, 7,9- and 2,9-C ₂ B ₉ H ₁₂ ϵ^- . <i>Dalton Transactions RSC</i> , 2002, , 2132.	2.3	41
103	The Molecular Structure of (PSH ⁺)(nido-7,8-C ₂ B ₉ H ₁₂ ⁻) Determined by Neutron Diffraction (PS = Proton) Tj ETQq1 1.0.784314 rgBT / 4.0 44		
104	Neutron Diffraction Study of a Phenol ϵ -Nitroxide Radical Adduct: A Structural Model for Hydrogen Atom Abstraction by Peroxyl Radicals from Vitamin E and Related Phenolic Antioxidants. <i>Journal of the American Chemical Society</i> , 2001, 123, 9164-9165.	13.7	23
105	Insertion and cleavage reactions of [closo-3,1,2-Ta(NMe ₂) ₃ (C ₂ B ₉ H ₁₁)] with nitriles, phenols and thiols; structural characterisation of N,N-dimethylamidinate ligands ϵ . <i>Dalton Transactions RSC</i> , 2000, , 3526-3533.	2.3	25
106	First structural characterisation of a 2,1,12-MC ₂ B ₉ metallacarborane, [2,2,2-(NMe ₂) ₃ -closo-2,1,12-TaC ₂ B ₉ H ₁₁]. Trends in boron NMR shifts on replacing a {BH} vertex with a metal {MLn} vertex in icosahedral carboranes. <i>Dalton Transactions RSC</i> , 2000, , 3519-3525.	2.3	19