Andrew L Hector

List of Publications by Year
in descending order

206 papers	4,717 citations	87888 38 h-index	175258 52 g-index
217 all docs	217 docs citations	217 times ranked	5240 citing authors

#	Article	IF	Citations
1	Electrodeposited WS₂ monolayers on patterned graphene. 2D Materials, 2022, 9, 015025.	4.4	3
2	Tungsten(<scp>vi</scp>) selenide tetrachloride, WSeCl₄ â€“ synthesis, properties, coordination complexes and application of [WSeCl₄(SeⁿBu₂)] for CVD growth of WSe₂ thin films. Dalton Transactions, 2022, 51, 2400-2412.	3.3	5
3	Increasing the Diameter of Vertically Aligned, Hexagonally Ordered Pores in Mesoporous Silica Thin Films. Langmuir, 2022, 38, 2257-2266.	3.5	9
4	AC-assisted deposition of aggregate free silica films with vertical pore structure. Nanoscale, 2022, 14, 5404-5411.	5.6	7
5	A La and Nb co-doped BaTiO₃ film with positive-temperature-coefficient of resistance for thermal protection of batteries. Journal of Materials Chemistry A, 2022, 10, 11587-11599.	10.3	10
6	Tungsten disulfide thin films via electrodeposition from a single source precursor. Chemical Communications, 2021, 57, 10194-10197.	4.1	3
7	Cell design for the electrodeposition of polyacrylonitrile onto graphite composite electrodes for use in lithium-ion cells. Energy Reports, 2021, 7, 15-19.	5.1	4
8	Lateral Growth of MoS₂ 2D Material Semiconductors Over an Insulator Via Electrodeposition. Advanced Electronic Materials, 2021, 7, 2100419.	5.1	6
9	Low temperature CVD of thermoelectric SnTe thin films from the single source precursor, [ⁿBu₃Sn(TeⁿBu)]. Dalton Transactions, 2021, 50, 998-1006.	3.3	7
10	Enhancing the performance of hard carbon for sodium-ion batteries by coating with silicon nitride/oxycarbide nanoparticles. Materials Advances, 2021, 2, 7956-7966.	5.4	4
11	Low-Pressure CVD of GeE (E = Te, Se, S) Thin Films from Alkylgermanium Chalcogenolate Precursors and Effect of Deposition Temperature on the Thermoelectric Performance of GeTe. ACS Applied Materials & Interfaces, 2021, 13, 47773-47783.	8.0	7
12	Mathematical model and optimization of a thin-film thermoelectric generator. JPhys Energy, 2020, 2, 014001.	5.3	8
13	Large-Area Electrodeposition of Few-Layer MoS₂ on Graphene for 2D Material Heterostructures. ACS Applied Materials & Interfaces, 2020, 12, 49786-49794.	8.0	21
14	Solvothermal synthesis of Sn₃N₄ as a high capacity sodium-ion anode: theoretical and experimental study of its storage mechanism. Journal of Materials Chemistry A, 2020, 8, 16437-16450.	10.3	4
15	Thermoelectric Properties of Bismuth Telluride Thin Films Electrodeposited from a Nonaqueous Solution. ACS Omega, 2020, 5, 14679-14688.	3.5	16
16	Improved thermoelectric performance of Bi2Se3 alloyed Bi2Te3 thin films via low pressure chemical vapour deposition. Journal of Alloys and Compounds, 2020, 848, 156523.	5.5	10
17	Thioether complexes of WSCl₄, WOCl₄ and WSCl₃ and evaluation of thiochloride complexes as CVD precursors for WS₂ thin films. Dalton Transactions, 2020, 49, 2496-2504.	3.3	13
18	Using GISAXS to Detect Correlations between the Locations of Gold Particles Electrodeposited from an Aqueous Solution. Langmuir, 2020, 36, 4432-4438.	3.5	9

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19	Synthesis of Vanadium Nitrideâ€“Hard Carbon Composites from Cellulose and Their Performance for Sodium-Ion Batteries. ACS Applied Energy Materials, 2020, 3, 4286-4294.	5.1	28
20	Selective Chemical Vapor Deposition Approach for Sb₂Te₃ Thin Film Micro-thermoelectric Generators. ACS Applied Energy Materials, 2020, 3, 5840-5846.	5.1	9
21	Electrodeposition of MoS₂ from Dichloromethane. Journal of the Electrochemical Society, 2020, 167, 106511.	2.9	16
22	Towards a 3D GeSbTe phase change memory with integrated selector by non-aqueous electrodeposition. Faraday Discussions, 2019, 213, 339-355.	3.2	14
23	[Ge(TeⁿBu)₄] â€“ a single source precursor for the chemical vapour deposition of germanium telluride thin films. Dalton Transactions, 2019, 48, 117-124.	3.3	7
24	Solvothermal water-diethylene glycol synthesis of LiCoPO₄and effects of surface treatments on lithium battery performance. RSC Advances, 2019, 9, 740-752.	3.6	8
25	Complexes of WOCl4 and WSCl4 with neutral N- and O-donor ligands: Synthesis, spectroscopy and structures. Polyhedron, 2019, 162, 14-19.	2.2	9
26	The reactivity of lattice nitrogen within the Ni2Mo3N and NiCoMo3N phases. Materials Research Bulletin, 2019, 118, 110519.	5.2	10
27	Synthesis of Hard Carbon-TiN/TiC Composites by Reacting Cellulose with TiCl₄ Followed by Carbothermal Nitridation/Reduction. Inorganic Chemistry, 2019, 58, 5776-5786.	4.0	12
28	Electrodeposition of bismuth telluride from a weakly coordinating, non-aqueous solution. Journal of Electroanalytical Chemistry, 2019, 839, 134-140.	3.8	7
29	Citrate-gel preparation and ammonia synthesis activity of compounds in the quaternary (Ni,M)₂Mo₃N (M = Cu or Fe) systems. Dalton Transactions, 2019, 48, 16786-16792.	3.3	10
30	Solid molybdenum nitride microdisc electrodes: Fabrication, characterisation, and application to the reduction of peroxodisulfate. Electrochimica Acta, 2019, 293, 184-190.	5.2	4
31	Synthesis and properties of MoCl₄complexes with thio- and seleno-ethers and their use for chemical vapour deposition of MoSe₂and MoS₂films. Dalton Transactions, 2018, 47, 2406-2414.	3.3	18
32	Tin(<scp>iv</scp>) chalcogenoether complexes as single source precursors for the chemical vapour deposition of SnE₂ and SnE (E = S, Se) thin films. Dalton Transactions, 2018, 47, 2628-2637.	3.3	45
33	Exploration of the Smallest Diameter Tin Nanowires Achievable with Electrodeposition: Sub 7 nm Sn Nanowires Produced by Electrodeposition from a Supercritical Fluid. Nano Letters, 2018, 18, 941-947.	9.1	21
34	Effects of ammonolysis and of solâ€“gel titanium oxide nitride coating on carbon fibres for use in flexible supercapacitors. Journal of Materials Chemistry A, 2018, 6, 5208-5216.	10.3	14
35	Electrodeposition of Crystalline HgTe from a Non-Aqueous Plating Bath. Journal of the Electrochemical Society, 2018, 165, D802-D807.	2.9	5
36	Pressureâ€Tuneable Visibleâ€Range Band Gap in the Ionic Spinel Tin Nitride. Angewandte Chemie, 2018, 130, 11797-11802.	2.0	3

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37	Electrodeposition of a Functional Solid State Memory Material: Germanium Antimony Telluride from a Non-Aqueous Plating Bath. Journal of the Electrochemical Society, 2018, 165, D557-D567.	2.9	9
38	Combination of Solid-State and Electrochemical Impedance Spectroscopy To Explore Effects of Porosity in Solâ€“Gel-Derived BaTiO₃ Thin Films. ACS Omega, 2018, 3, 6880-6887.	3.5	3
39	Covalency is Frustrating: La₂Sn₂O₇ and the Nature of Bonding in Pyrochlores under High Pressureâ€“Temperature Conditions. Inorganic Chemistry, 2018, 57, 15051-15061.	4.0	10
40	Compositionally tunable ternary Bi₂(Se_{1â^'x}Te_x)₃ and (Bi_{1â^'y}Sb_y)₂Te₃ thin films via low pressure chemical vapour deposition. Journal of Materials Chemistry C, 2018, 6, 7734-7739.	5.5	15
41	Understanding and development of olivine LiCoPO₄cathode materials for lithium-ion batteries. Journal of Materials Chemistry A, 2018, 6, 14483-14517.	10.3	98
42	Pressureâ€Tuneable Visibleâ€Range Band Gap in the Ionic Spinel Tin Nitride. Angewandte Chemie - International Edition, 2018, 57, 11623-11628.	13.8	22
43	Electrodeposition of tin nanowires from a dichloromethane based electrolyte. RSC Advances, 2018, 8, 24013-24020.	3.6	11
44	Effect of oxidative surface treatments on charge storage at titanium nitride surfaces for supercapacitor applications. Journal of Materials Chemistry A, 2017, 5, 4550-4559.	10.3	70
45	Synthesis and methane cracking activity of a silicon nitride supported vanadium nitride nanoparticle composite. Dalton Transactions, 2017, 46, 8782-8787.	3.3	12
46	A solâ€“gel route to titanium nitride conductive coatings on battery materials and performance of TiN-coated LiFePO₄. Journal of Materials Chemistry A, 2017, 5, 2251-2260.	10.3	24
47	The Role of Composition for Cobalt Molybdenum Carbide in Ammonia Synthesis. ACS Sustainable Chemistry and Engineering, 2017, 5, 9214-9222.	6.7	34
48	Supercritical fluid electrodeposition, structural and electrical characterisation of tellurium nanowires. RSC Advances, 2017, 7, 40720-40726.	3.6	8
49	Chalcogenoether complexes of Nb(<scp>v</scp>) thio- and seleno-halides as single source precursors for low pressure chemical vapour deposition of NbS₂ and NbSe₂ thin films. Dalton Transactions, 2017, 46, 9824-9832.	3.3	18
50	Electrodeposition of Protocrystalline Germanium from Supercritical Difluoromethane. ChemElectroChem, 2016, 3, 726-733.	3.4	9
51	Synthesis and processing of silicon nitride and related materials using preceramic polymer and non-oxide sol-gel approaches. Coordination Chemistry Reviews, 2016, 323, 120-137.	18.8	24
52	Speciation in diethanolamine-moderated TiO2 precursor sols and their use in film formation. Journal of Sol-Gel Science and Technology, 2016, 79, 550-557.	2.4	4
53	Solâ€“gel preparation of low oxygen content, high surface area silicon nitride and imidonitride materials. Dalton Transactions, 2016, 45, 5765-5774.	3.3	10
54	A Versatile Precursor System for Supercritical Fluid Electrodeposition of Mainâ€Group Materials. Chemistry - A European Journal, 2016, 22, 302-309.	3.3	17

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55	Niobium tetrahalide complexes with neutral diphosphine ligands. Dalton Transactions, 2016, 45, 8192-8200.	3.3	11
56	Haloplumbate salts as reagents for the non-aqueous electrodeposition of lead. RSC Advances, 2016, 6, 73323-73330.	3.6	2
57	Surface modification and porosimetry of vertically aligned hexagonal mesoporous silica films. RSC Advances, 2016, 6, 113432-113441.	3.6	11
58	Nanoscale arrays of antimony telluride single crystals by selective chemical vapor deposition. Scientific Reports, 2016, 6, 27593.	3.3	15
59	In situ phase behaviour of a high capacity LiCoPO₄ electrode during constant or pulsed charge of a lithium cell. Chemical Communications, 2016, 52, 14169-14172.	4.1	17
60	Solâ€“gel preparation of well-adhered films and long range ordered inverse opal films of BaTiO3 and Bi2Ti2O7. Materials Research Bulletin, 2016, 74, 234-240.	5.2	10
61	Evaluation of nanocrystalline Sn₃N₄derived from ammonolysis of Sn(NEt₂)₄as a negative electrode material for Li-ion and Na-ion batteries. Journal of Materials Chemistry A, 2016, 4, 5081-5087.	10.3	49
62	Complexes of aluminium, gallium and indium trifluorides with neutral oxygen donor ligands: Synthesis, properties and reactions. Polyhedron, 2016, 106, 65-74.	2.2	22
63	The role of preparation route upon the ambient pressure ammonia synthesis activity of Ni2Mo3N. Applied Catalysis A: General, 2015, 504, 44-50.	4.3	38
64	Supercritical Fluid Electrodeposition of Elemental Germanium onto Titanium Nitride Substrates. Journal of the Electrochemical Society, 2015, 162, D619-D624.	2.9	12
65	Ordered mesoporous silica films with pores oriented perpendicular to a titanium nitride substrate. Physical Chemistry Chemical Physics, 2015, 17, 4763-4770.	2.8	39
66	Non-aqueous electrodeposition of functional semiconducting metal chalcogenides: Ge₂Sb₂Te₅ phase change memory. Materials Horizons, 2015, 2, 420-426.	12.2	28
67	Phase-Change Memory Properties of Electrodeposited Ge-Sb-Te Thin Film. Nanoscale Research Letters, 2015, 10, 432.	5.7	12
68	Chemical vapour deposition of antimony chalcogenides with positional and orientational control: precursor design and substrate selectivity. Journal of Materials Chemistry C, 2015, 3, 423-430.	5.5	46
69	Solvothermal synthesis and electrochemical charge storage assessment of Mn₃N₂. Journal of Materials Chemistry A, 2015, 3, 3612-3619.	10.3	26
70	Green synthesis of highly concentrated aqueous colloidal solutions of large starch-stabilised silver nanoplatelets. Materials Science and Engineering C, 2015, 46, 530-537.	7.3	28
71	Evaluation of Cu₃N and CuO as Negative Electrode Materials for Sodium Batteries. Journal of Physical Chemistry C, 2014, 118, 29568-29573.	3.1	45
72	High-Pressure Annealing of a Prestructured Nanocrystalline Precursor to Obtain Tetragonal and Orthorhombic Polymorphs of Hf₃N₄. Materials Research Society Symposia Proceedings, 2014, 1655, 1.	0.1	1

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73	Niobium(<scp>v</scp>) and tantalum(<scp>v</scp>) halide chalcogenoether complexes â€“ towards single source CVD precursors for ME₂thin films. Dalton Transactions, 2014, 43, 16640-16648.	3.3	36
74	Selective lithium extraction from brines by chemical reaction with battery materials. Journal of Materials Chemistry A, 2014, 2, 6374-6377.	10.3	42
75	High pressure polymorphism of Î²-TaON. Dalton Transactions, 2014, 43, 9647-9654.	3.3	16
76	The preparation and structure of Ge₃F₈â€“ a new mixed-valence fluoride of germanium, a convenient source of GeF₂. Dalton Transactions, 2014, 43, 14514-14516.	3.3	4
77	Synthesis of U3Se5 and U3Te5 type polymorphs of Ta3N5 by combining high pressureâ€“temperature pathways with a chemical precursor approach. Chemical Communications, 2014, 50, 10041-10044.	4.1	30
78	Electrodeposition from supercritical fluids. Physical Chemistry Chemical Physics, 2014, 16, 9202.	2.8	41
79	Direct Observation of Active Material Concentration Gradients and Crystallinity Breakdown in LiFePO₄ Electrodes During Charge/Discharge Cycling of Lithium Batteries. Journal of Physical Chemistry C, 2014, 118, 6548-6557.	3.1	36
80	Controlling the nanostructure of bismuth telluride by selective chemical vapour deposition from a single source precursor. Journal of Materials Chemistry A, 2014, 2, 4865.	10.3	31
81	Phase-transforming electrodes. Science, 2014, 344, 1451-1452.	12.6	31
82	Redox supercapacitor performance of nanocrystalline molybdenum nitrides obtained by ammonolysis of chloride- and amide-derived precursors. Journal of Power Sources, 2014, 266, 456-463.	7.8	48
83	Templated Non-Oxide Sol-Gel Preparation of Well-Ordered Macroporous (inverse opal) Ta₃N₅ Films. Inorganic Chemistry, 2013, 52, 9994-9999.	4.0	10
84	Area Selective Growth of Titanium Diselenide Thin Films into Micropatterned Substrates by Low-Pressure Chemical Vapor Deposition. Chemistry of Materials, 2013, 25, 4719-4724.	6.7	29
85	Non-aqueous electrodeposition of p-block metals and metalloids from halometallate salts. RSC Advances, 2013, 3, 15645.	3.6	43
86	Telluroether and Selenoether Complexes as Single Source Reagents for Low Pressure Chemical Vapor Deposition of Crystalline Ga₂Te₃ and Ga₂Se₃ Thin Films. Chemistry of Materials, 2013, 25, 1829-1836.	6.7	37
87	Performance of nanocrystalline Ni3N as a negative electrode for sodium-ion batteries. Journal of Materials Chemistry A, 2013, 1, 6441.	10.3	74
88	A novel top-down fabrication process for Ge<inf>2</inf>Sb<inf>2</inf>Te<inf>5</inf> phase change material nanowires. , 2013, , .		0
89	Chromium(V) Oxide Trichloride, and some Pentachloridoâ€Âoxidoâ€chromate(V) Salts: Structures and Spectroscopic ÂCharacterization. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 906-910.	1.2	3
90	Low Pressure Chemical Vapour Deposition of Crystalline Ga2Te3 and Ga2Se3 Thin Films from Single Source Precursors Using Telluroether and Selenoether Complexes. Physics Procedia, 2013, 46, 142-148.	1.2	6

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91	Synthesis of Tetragonal and Orthorhombic Polymorphs of Hf₃N₄ by High-Pressure Annealing of a Prestructured Nanocrystalline Precursor. Journal of the American Chemical Society, 2013, 135, 9503-9511.	13.7	40
92	Structural Transformations and Disordering in Zirconolite (CaZrTi₂O₇) at High Pressure. Inorganic Chemistry, 2013, 52, 1550-1558.	4.0	40
93	Nitrogen-rich transition metal nitrides. Coordination Chemistry Reviews, 2013, 257, 2063-2072.	18.8	114
94	Tin(ii) fluoride vs. tin(ii) chloride â€“ a comparison of their coordination chemistry with neutral ligands. Dalton Transactions, 2013, 42, 8364.	3.3	39
95	Highly Selective Chemical Vapor Deposition of Tin Diselenide Thin Films onto Patterned Substrates via Single Source Diselenoether Precursors. Chemistry of Materials, 2012, 24, 4442-4449.	6.7	64
96	Synthesis of Nanocompositites Containing Tantalum or Molybdenum Nitride with Silicon Imidonitride. Topics in Catalysis, 2012, 55, 950-954.	2.8	6
97	TeX4 (X = F, Cl, Br) as Lewis acids â€“ complexes with soft thio- and seleno-ether ligands. Dalton Transactions, 2012, 41, 10988.	3.3	22
98	Silicon imidonitride aerogel exhibiting macro- and meso-dual porosity. Microporous and Mesoporous Materials, 2012, 156, 196-201.	4.4	9
99	Supramolecular assemblies of germanium(ii) halides with O-, S- and Se-donor macrocycles â€“ the effects of donor atom type upon structure. Dalton Transactions, 2011, 40, 694-700.	3.3	27
100	Solâ€“gel processing of silicon nitride films from Si(NHMe)4 and ammonia. Journal of Materials Chemistry, 2011, 21, 6370.	6.7	8
101	Chemical Vapor Deposition of GaP and GaAs Thin Films From [ⁿBu₂Ga(Î¼-E^tBu₂)₂GaⁿBu (E = P or As) and Ga(P^tBu₂)₃. Chemistry of Materials, 2011, 23, 5217-5222.	6.7	10
102	Hypervalent neutral O-donor ligand complexes of silicon tetrafluoride, comparisons with other group 14 tetrafluorides and a search for soft donor ligand complexes. Dalton Transactions, 2011, 40, 1584.	3.3	31
103	Incoherent Bi off-centering in Bi2Ti2O6Oâ€²and Bi2Ru2O6Oâ€²: Insulator versus metal. Physical Review B, 2011, 84, .	3.2	37
104	Structure, Bonding, and Phase Relations in Bi₂Sn₂O₇ and Bi₂Ti₂O₇ Pyrochlores: New Insights from High Pressure and High Temperature Studies. Inorganic Chemistry, 2011, 50, 11905-11913.	4.0	32
105	Mechanical Properties of Titanium Nitride Nanocomposites Produced by Chemical Precursor Synthesis Followed by High-P,T Treatment. Materials, 2011, 4, 1747-1762.	2.9	24
106	Synthesis, Spectroscopic and Structural Studies on Vanadium(V) Periodates. European Journal of Inorganic Chemistry, 2011, 2011, 2132-2137.	2.0	1
107	On the mechanism of carbon nanotube formation: the role of the catalyst. Journal of Physics Condensed Matter, 2011, 23, 394201.	1.8	13
108	Solvothermal Synthesis of Gallium and Indium Nitrides Using Lithium Amide. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2010, 65, 1051-1057.	0.7	6

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109	Synthesis, spectroscopic and structural characterisation of vanadium(IV) and oxovanadium(IV) complexes with arsenic donor ligands. Polyhedron, 2010, 29, 1630-1638.	2.2	8
110	Synthesis and structure of [{C7F15CO2}2AgAu(PPh3)]2 and its use in electrodeposition of goldâ€“silver alloys. Inorganica Chimica Acta, 2010, 363, 1048-1051.	2.4	6
111	Nonoxide Solâ€“Gel Synthesis of Terbiumâ€Doped Silicon Nitride Phosphors. Journal of the American Ceramic Society, 2010, 93, 1069-1073.	3.8	5
112	Atomic displacements in the charge ice pyrochlore<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Bi</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub by neutron total scattering. Physical Review B, 2010, 81, .	3.2	52
113	Solvothermal synthesis of group 5 and 6 nitrides via reactions using LiNH2 and ammonia nitrogen sources. Dalton Transactions, 2010, 39, 6092.	3.3	13
114	Supercritical Chemical Fluid Deposition of InP and InAs. Chemistry of Materials, 2010, 22, 4246-4253.	6.7	18
115	Diphosphine and Diarsine Complexes of Germanium(II) Halidesâ€”Preparation, Spectroscopic, and Structural Studies. Inorganic Chemistry, 2010, 49, 752-760.	4.0	41
116	Synthesis and structural characterisation of germanium(ii) halide complexes with neutral N-donor ligands. Dalton Transactions, 2010, 39, 847-856.	3.3	55
117	Supercritical Chemical Fluid Deposition of High Quality Compound Semiconductors. ECS Transactions, 2009, 25, 1193-1197.	0.5	4
118	Germanium(II) Dications Stabilized by Azamacrocycles and Crown Ethers. Angewandte Chemie - International Edition, 2009, 48, 5152-5154.	13.8	73
119	Solution Phase Preparative Routes to Nitride Morphologies of Interest in Catalysis. Topics in Catalysis, 2009, 52, 1472-1481.	2.8	20
120	Spectroscopic and Vanadium K-Edge EXAFS Studies on VO2Cl and the Crystal Structure of [{Cl2VO(O2PCl2)(POCl3)}2]. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2009, 635, 1200-1203.	1.2	3
121	Template Infiltration Routes to Ordered Macroporous TiN and SiNx Films. Chemistry of Materials, 2009, 21, 4210-4215.	6.7	24
122	Large low-temperature specific heat in pyrochlore<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Bi</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub Physical Review B, 2009, 79, .	3.2	48
123	Synthesis and applications of nanocrystalline nitride materials. Journal of Materials Chemistry, 2009, 19, 4673.	6.7	83
124	Preparation and structure of the unique silicon(iv) cation [SiF3(Me3tacn)]+. Chemical Communications, 2009, , 1334.	4.1	28
125	Vanadium selenoether and selenolate complexes, potential single-source precursors for CVD of VSe₂thin films. New Journal of Chemistry, 2009, 33, 641-645.	2.8	34
126	[{Cp2(tBuSe)Nb}2E] (E= O and Se) with bridging oxide or selenide ligands. Acta Crystallographica Section C: Crystal Structure Communications, 2008, 64, m321-m323.	0.4	0

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127	Evaluation of Group 4 Metal Bis-cyclopentadienyl Complexes with Selenolate and Tellurolate Ligands for CVD of ME₂ Films (E = Se or Te). Chemistry of Materials, 2008, 20, 5100-5106.	6.7	27
128	Use of low temperature solvothermal reactions in the synthesis of nanocrystalline tantalum nitrides including nanorods. Journal of Materials Chemistry, 2008, 18, 1392.	6.7	23
129	Coordination networks derived from germanium(ii) thioether macrocyclic complexesâ€"the first authenticated chalcogenoether complexes of Ge(ii). Chemical Communications, 2008, , 5508.	4.1	28
130	A non-oxide solâ€"gel route to synthesise silicon imidonitride monolithic gels and high surface area aerogels. Chemical Communications, 2008, , 5304.	4.1	20
131	Preparation, Characterization, and Structural Systematics of Diphosphane and Diarsane Complexes of Indium(III) Halides. Inorganic Chemistry, 2008, 47, 9691-9700.	4.0	20
132	Synthetic and Computational Studies of Thiocarbonyl/Ïƒ-Organyl Coupling Reactions. Organometallics, 2008, 27, 5548-5558.	2.3	23
133	Direct Solvothermal Synthesis of Early Transition Metal Nitrides. Inorganic Chemistry, 2008, 47, 9684-9690.	4.0	38
134	Bis(Î·5-cyclopentadienyl)bis(2,4,6-trimethylphenyltellurolato)zirconium(IV). Acta Crystallographica Section E: Structure Reports Online, 2008, 64, m667-m667.	0.2	1
135	Metastable phase transitions and structural transformations in solid-state materials at high pressure. Phase Transitions, 2007, 80, 1003-1032.	1.3	14
136	Preparation, Characterization, and Structural Systematics of Diphosphane and Diarsane Complexes of Gallium(III) Halides. Inorganic Chemistry, 2007, 46, 7215-7223.	4.0	40
137	Thio- and seleno-ether complexes with Group 4 tetrahalides and tin tetrachloride: preparation and use in CVD for metal chalcogenide films. Dalton Transactions, 2007, , 4769.	3.3	63
138	Materials synthesis using oxide free solâ€"gel systems. Chemical Society Reviews, 2007, 36, 1745.	38.1	51
139	Structural Variations in Pyrochlore-Structured Bi2Hf2O7, Bi2Ti2O7 and Bi2Hf2-xTixO7 Solid Solutions as a Function of Composition and Temperature by Neutron and X-ray Diffraction and Raman Spectroscopy. Chemistry of Materials, 2007, 19, 1712-1722.	6.7	65
140	Structural diversity in gallium(iii) complexes of the tripodal triarsine MeC(CH2AsMe2)3. Dalton Transactions, 2007, , 2207.	3.3	7
141	Synthesis and Reactions of Five-Coordinate Mono- and Binuclear Thiocarbonylâ^'Alkenyl and Thioacyl Complexes of Ruthenium(II). Organometallics, 2007, 26, 6114-6125.	2.3	27
142	A nonoxidic solâ€"gel route to titanium nitride and carbonitride films by primary aminecondensation. Journal of Materials Chemistry, 2007, 17, 1016-1022.	6.7	32
143	Synthesis, Spectroscopic and Structural Systematics of Complexes of Germanium(IV) Halides (GeX4, X =) Tj ETQq1 1 0.784314 rgBT /O Inorganic Chemistry, 2007, 2007, 2488-2495.	2.0	38
144	Vanadium(IV) and Oxidovanadium(IV) and -(V) Complexes with Soft Thioether Coordination â€" Synthesis, Spectroscopic and Structural Studies. European Journal of Inorganic Chemistry, 2007, 2007, 3655-3662.	2.0	20

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145	Synthesis, Spectroscopic and Structural Systematics of Complexes of Germanium(IV) Halides (GeX₄, X = F, Cl, Br or I) with Monoâ€, Biâ€•and Triâ€Dentate and Macrocyclic Nitrogen Donor Ligands. European Journal of Inorganic Chemistry, 2007, 2007, 4897-4905.	2.0	42
146	Gallium(III) halide complexes with phosphines, arsines and phosphine oxides â€“ a comparative study. Polyhedron, 2007, 26, 4147-4155.	2.2	31
147	Î¼-1,2-Bis(diphenylphosphino)ethane-ï²2P:P-bis[trichloridogallium(III)]. Acta Crystallographica Section E: Structure Reports Online, 2007, 63, m1761-m1761.	0.2	4
148	Amorphous and nanocrystalline titanium nitride and carbonitride materials obtained by solution phase ammonolysis of Ti(NMe2)4. Journal of Solid State Chemistry, 2006, 179, 1383-1393.	2.9	57
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