

Duncan H Gregory

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4590685/publications.pdf>

Version: 2024-02-01

194
papers

6,295
citations

61857

43
h-index

88477

70
g-index

223
all docs

223
docs citations

223
times ranked

7619
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of modification of Haloxylon recurvum biomass on the sorption of acidic dye from aqueous media. Biomass Conversion and Biorefinery, 2024, 14, 4813-4827.	2.9	1
2	Improved Photoelectrochemical Performance of Chemically Grown Pristine Hematite Thin Films. Journal of Electronic Materials, 2022, 51, 652-669.	1.0	2
3	Fe-POM/attapulgite composite materials: Efficient catalysts for plastic pyrolysis. Waste Management and Research, 2022, 40, 1433-1439.	2.2	3
4	Energy-Saving Pathways for Thermoelectric Nanomaterial Synthesis: Hydrothermal/Solvothermal, Microwave-Assisted, Solution-Based, and Powder Processing. Advanced Science, 2022, 9, .	5.6	60
5	Multiple Roles of Unconventional Heteroatom Dopants in Chalcogenide Thermoelectrics: The Influence of Nb on Transport and Defects in Bi ₂ Te ₃ . ACS Applied Materials & Interfaces, 2021, 13, 13400-13409.	4.0	15
6	Mechanochemical Synthesis and Structure of Lithium Tetrahaloaluminates, LiAlX ₄ (X = Cl, Tj ETQq0 0 0 rgBT /Overlock 10		23
7	From binary to multinary copper based nitrides – Unlocking the potential of new applications. Coordination Chemistry Reviews, 2021, 436, 213791.	9.5	15
8	Solution/Ammonolysis Syntheses of Unsupported and Silica-Supported Copper(I) Nitride Nanostructures from Oxidic Precursors. Molecules, 2021, 26, 4926.	1.7	3
9	Ultra-rapid synthesis of the MgCu ₂ and Mg ₂ Cu Laves phases and their facile conversion to nanostructured copper with controllable porosity; an energy-efficient, reversible process. Green Chemistry, 2021, 23, 6936-6944.	4.6	4
10	Facile <i>in situ</i> solution synthesis of SnSe/rGO nanocomposites with enhanced thermoelectric performance. Journal of Materials Chemistry A, 2020, 8, 1394-1402.	5.2	117
11	Flash microwave-assisted solvothermal (FMS) synthesis of photoactive anatase sub-microspheres with hierarchical porosity. RSC Advances, 2020, 10, 37233-37245.	1.7	2
12	Low dimensional nanostructures of fast ion conducting lithium nitride. Nature Communications, 2020, 11, 4492.	5.8	19
13	Optimization of sintering process on Li _{1-x} Al _x Ti ₂ (PO ₄) ₃ solid electrolytes for all-solid-state lithium-ion batteries. Ceramics International, 2020, 46, 20529-20536.	2.3	33
14	Microwave-Assisted Synthesis of ZnO@rGO Core-Shell Nanorod Hybrids with Photo- and Electro-Catalytic Activity. Chemistry - A European Journal, 2020, 26, 6703-6714.	1.7	11
15	Synthesis and catalytic performance of cesium and potassium salts of aluminum substituted tungstoborate for pyrolysis of polyethylene waste to petrochemical feedstock. Materials Chemistry and Physics, 2020, 246, 122781.	2.0	6
16	Highly efficient catalytic pyrolysis of polyethylene waste to derive fuel products by novel polyoxometalate/kaolin composites. Waste Management and Research, 2020, 38, 689-695.	2.2	15
17	Metal Hydrides and Related Materials. Energy Carriers for Novel Hydrogen and Electrochemical Storage. Journal of Physical Chemistry C, 2020, 124, 7599-7607.	1.5	52
18	Propagation of amorphous oxide nanowires <i>via</i> the VLS mechanism: growth kinetics. Nanoscale Advances, 2019, 1, 3568-3578.	2.2	39

#	ARTICLE	IF	CITATIONS
19	Ultrafast, Energy-Efficient Synthesis of Intermetallics; Microwave-Induced Metal Plasma (MIMP) Synthesis of Mg ₂ Sn. ACS Sustainable Chemistry and Engineering, 2019, 7, 19686-19698.	3.2	9
20	Nano-inclusion in one step: spontaneous ice-templating of porous hierarchical nanocomposites for selective hydrogen release. Sustainable Energy and Fuels, 2019, 3, 396-400.	2.5	11
21	Anion-exchange synthesis of thermoelectric layered SnS _{0.1} Se _{0.9} xTe _x nano/microstructures in aqueous solution: complexity and carrier concentration. Journal of Materials Chemistry C, 2019, 7, 7572-7579.	2.7	14
22	van der Waals Contact Engineering of Graphene Field-Effect Transistors for Large-Area Flexible Electronics. ACS Nano, 2019, 13, 3257-3268.	7.3	60
23	Toward New Thermoelectrics: Tin Selenide/Modified Graphene Oxide Nanocomposites. ACS Omega, 2019, 4, 6010-6019.	1.6	13
24	Molecular-salt hybrids; integration of ammonia borane into lithium halides. Inorganic Chemistry Frontiers, 2019, 6, 808-812.	3.0	1
25	Conceptual design and performance evaluation of a hybrid concentrating photovoltaic system in preparation for energy. Energy, 2018, 147, 547-560.	4.5	24
26	Topotactic anion-exchange in thermoelectric nanostructured layered tin chalcogenides with reduced selenium content. Chemical Science, 2018, 9, 3828-3836.	3.7	28
27	Ammonia Borane Based Nanocomposites as Solid-State Hydrogen Stores for Portable Power Applications. Energy Technology, 2018, 6, 583-594.	1.8	16
28	Graphene-ZnO NWs Film for Large-Area UV Photodetector. , 2018, , .		1
29	Ni(NH ₃) ₂ (NO ₃) ₂ ·A 3-D Network through Bridging Nitrate Units Isolated from the Thermal Decomposition of Nickel Hexammine Dinitrate. Inorganics, 2018, 6, 59.	1.2	5
30	Construction of stable Ta ₃ N ₅ /g-C ₃ N ₄ metal/non-metal nitride hybrids with enhanced visible-light photocatalysis. Applied Surface Science, 2017, 391, 392-403.	3.1	72
31	MCNTs@MnO ₂ Nanocomposite Cathode Integrated with Soluble O ₂ -Carrier Co-salen in Electrolyte for High-Performance Li-Air Batteries. Nano Letters, 2017, 17, 2073-2078.	4.5	80
32	Chlorine-Enabled Electron Doping in Solution-Synthesized SnSe Thermoelectric Nanomaterials. Advanced Energy Materials, 2017, 7, 1602328.	10.2	64
33	A metamorphic inorganic framework that can be switched between eight single-crystalline states. Nature Communications, 2017, 8, 14185.	5.8	46
34	A coupled optical-thermal-electrical model to predict the performance of hybrid PV/T-CCPC roof-top systems. Renewable Energy, 2017, 112, 166-186.	4.3	25
35	Multiphysics simulations of thermoelectric generator modules with cold and hot blocks and effects of some factors. Case Studies in Thermal Engineering, 2017, 10, 63-72.	2.8	35
36	Recent progress in the synthesis of nanostructured magnesium hydroxide. CrystEngComm, 2017, 19, 6067-6084.	1.3	72

#	ARTICLE	IF	CITATIONS
37	A scaling law for monocrystalline PV/T modules with CCPC and comparison with triple junction PV cells. <i>Applied Energy</i> , 2017, 202, 755-771.	5.1	11
38	Transforming the short-term sensing stimuli to long-term e-skin memory. , 2017, , .		1
39	Large-Scale Surfactant-Free Synthesis of p-Type SnTe Nanoparticles for Thermoelectric Applications. <i>Materials</i> , 2017, 10, 233.	1.3	27
40	Nanowire FET Based Neural Element for Robotic Tactile Sensing Skin. <i>Frontiers in Neuroscience</i> , 2017, 11, 501.	1.4	97
41	Facile Uptake and Release of Ammonia by Nickel Halide Ammines. <i>ChemSusChem</i> , 2016, 9, 1312-1321.	3.6	8
42	Facile Surfactant-Free Synthesis of p-Type SnSe Nanoplates with Exceptional Thermoelectric Power Factors. <i>Angewandte Chemie</i> , 2016, 128, 6543-6547.	1.6	9
43	Facile Surfactant-Free Synthesis of p-Type SnSe Nanoplates with Exceptional Thermoelectric Power Factors. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6433-6437.	7.2	81
44	Scalable solar thermoelectrics and photovoltaics (SUNTRAP). <i>AIP Conference Proceedings</i> , 2016, , .	0.3	5
45	Modelling of nanowire FETs based neural network for tactile pattern recognition in E-skin. , 2016, , .		3
46	Facile preparation of copper nitride powders and nanostructured films. <i>Journal of Materials Chemistry C</i> , 2016, 4, 5031-5037.	2.7	21
47	Thermal performance of two heat exchangers for thermoelectric generators. <i>Case Studies in Thermal Engineering</i> , 2016, 8, 164-175.	2.8	34
48	Investigation of Al-doping effects on the NaFe _{0.5} Mn _{0.5} O ₂ cathode for Na-ion batteries. <i>Ionics</i> , 2016, 22, 2245-2248.	1.2	26
49	Ba ₆ ³x Nd _{8+2x} Ti ₁₈ O ₅₄ Tungsten Bronze: A New High-Temperature n-Type Oxide Thermoelectric. <i>Journal of Electronic Materials</i> , 2016, 45, 1894-1899.	1.0	17
50	Facile preparation of Î²-Î³-MgH ₂ nanocomposites under mild conditions and pathways to rapid dehydrogenation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10492-10498.	1.3	41
51	A novel absorptive/reflective solar concentrator for heat and electricity generation: An optical and thermal analysis. <i>Energy Conversion and Management</i> , 2016, 114, 142-153.	4.4	23
52	Synthesis, Characterization and Shape-Dependent Catalytic CO Oxidation Performance of Ruthenium Oxide Nanomaterials: Influence of Polymer Surfactant. <i>Applied Sciences (Switzerland)</i> , 2015, 5, 344-358.	1.3	17
53	The Search for Hydrogen Stores on a Large Scale; A Straightforward and Automated Open Database Analysis as a First Sweep for Candidate Materials. <i>Crystals</i> , 2015, 5, 617-633.	1.0	5
54	Phase Behavior in the LiBH ₄ -LiBr System and Structure of the Anion-Stabilized Fast Ionic, High Temperature Phase. <i>Chemistry of Materials</i> , 2015, 27, 7780-7787.	3.2	20

#	ARTICLE	IF	CITATIONS
55	Multiphysics Simulations of a Thermoelectric Generator. <i>Energy Procedia</i> , 2015, 75, 633-638.	1.8	21
56	Structural and thermal characterization of copper(II) complexes with phenyl-2-pyridylketoxime and deposition of thin films by spin coating. <i>Chemical Papers</i> , 2015, 69, .	1.0	2
57	Rapid surfactant-free synthesis of Mg(OH) ₂ nanoplates and pseudomorphic dehydration to MgO. <i>CrystEngComm</i> , 2015, 17, 5672-5679.	1.3	44
58	Revisiting the Hydrogen Storage Behavior of the Na-O-H System. <i>Materials</i> , 2015, 8, 2191-2203.	1.3	18
59	Recent Advances in the Use of Sodium Borohydride as a Solid State Hydrogen Store. <i>Energies</i> , 2015, 8, 430-453.	1.6	97
60	Temperature-dependent structural behavior of mixed-metal hydroxides in air. <i>Materials Letters</i> , 2015, 151, 104-108.	1.3	0
61	Ultra-rapid microwave synthesis of Li _{3-x} M _x N (M = Co, Ni and Cu) nitridometallates. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 1045-1050.	3.0	5
62	Coupled Simulation of Performance of a Crossed Compound Parabolic Concentrator with Solar Cell. <i>Energy Procedia</i> , 2015, 75, 325-330.	1.8	10
63	Reaction of [Ni(H ₂ O) ₆](NO ₃) ₂ with gaseous NH ₃ ; crystal growth via in-situ solvation. <i>Journal of Crystal Growth</i> , 2015, 412, 1-6.	0.7	6
64	Rapid, energy-efficient synthesis of the layered carbide, Al ₄ C ₃ . <i>Green Chemistry</i> , 2015, 17, 285-290.	4.6	23
65	Innovative Inorganic Synthesis. <i>Inorganics</i> , 2014, 2, 552-555.	1.2	1
66	Modern Microwave Methods in Solid-State Inorganic Materials Chemistry: From Fundamentals to Manufacturing. <i>Chemical Reviews</i> , 2014, 114, 1170-1206.	23.0	363
67	Photovoltaic-thermoelectric modules: A feasibility study. , 2014, , .		5
68	Theoretical study on the structural, electronic and physical properties of layered alkaline-earth-group-4 transition-metal nitrides AEMN ₂ . <i>RSC Advances</i> , 2014, 4, 31981-31987.	1.7	14
69	A Study of ¹⁵ N/ ¹⁴ N Isotopic Exchange over Cobalt Molybdenum Nitrides. <i>ACS Catalysis</i> , 2013, 3, 1719-1725.	5.5	83
70	Surface coating of LiMn ₂ O ₄ spinel via in situ hydrolysis route: effect of the solution. <i>Ionics</i> , 2013, 19, 739-745.	1.2	13
71	The chemistry of ternary and higher lithium nitrides. <i>Coordination Chemistry Reviews</i> , 2013, 257, 1978-2014.	9.5	52
72	Insight into lithium transport in lithium nitridometallate battery materials from muon spin relaxation. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 816-823.	1.3	17

#	ARTICLE	IF	CITATIONS
73	Spinel-Li _{3.5+x} Ti ₅ O ₁₂ coated LiMn ₂ O ₄ with high surface Mn valence for an enhanced cycling performance at high temperature. <i>Electrochemistry Communications</i> , 2013, 31, 92-95.	2.3	20
74	Carbon-filament-entangled lithium iron phosphate/carbon composite produced in partially reductive atmosphere: Dual role of the iron as source material and catalyst. <i>Ceramics International</i> , 2013, 39, 2175-2181.	2.3	2
75	Facile synthesis of nanosized sodium magnesium hydride, NaMgH ₃ . <i>Progress in Natural Science: Materials International</i> , 2013, 23, 343-350.	1.8	15
76	Energy and environment policy case for a global project on artificial photosynthesis. <i>Energy and Environmental Science</i> , 2013, 6, 695.	15.6	264
77	Rapid Microwave Synthesis, Characterization and Reactivity of Lithium Nitride Hydride, Li ₄ NH. <i>Materials</i> , 2013, 6, 5410-5426.	1.3	7
78	Mechanochemical synthesis of sustainable energy materials. <i>Nanomaterials and Energy</i> , 2013, 2, 229-234.	0.1	0
79	Welcome to <i>Inorganics</i> : A New Open Access, Inclusive Forum for Inorganic Chemistry. <i>Inorganics</i> , 2013, 1, 1-2.	1.2	0
80	Unusual structural phenomena in the reaction of copper and nickel dihalides with NH ₃ (g) at ambient conditions. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2013, 69, s580-s580.	0.3	1
81	Lithium-Ion Batteries: Recent Advances and New Horizons. <i>International Journal of Electrochemistry</i> , 2012, 2012, 1-2.	2.4	2
82	Growth and characterisation of titanium sulphide nanostructures by surface-assisted vapour transport methods; from trisulphide ribbons to disulphide nanosheets. <i>International Journal of Nanotechnology</i> , 2012, 9, 23.	0.1	10
83	Enhanced cycle ability of spinel LiMn ₂ O ₄ by controlling the phase purity and structural strain. <i>Journal of Physics and Chemistry of Solids</i> , 2012, 73, 1390-1395.	1.9	21
84	Probing the chemical and electronic properties of the core-shell architecture of transition metal trisulfide nanoribbons. <i>Nanoscale</i> , 2012, 4, 607-612.	2.8	4
85	Probing the microwave interaction mechanisms and reaction pathways in the energy-efficient, ultra-rapid synthesis of tungsten carbide. <i>Green Chemistry</i> , 2012, 14, 2184.	4.6	11
86	Mechanochemical Synthesis of Tin Nanowires for Anodes in Li ⁺ Ion Secondary Batteries. <i>Journal of the Chinese Chemical Society</i> , 2012, 59, 1190-1195.	0.8	1
87	The Challenge of Storage in the Hydrogen Energy Cycle: Nanostructured Hydrides as a Potential Solution. <i>Australian Journal of Chemistry</i> , 2012, 65, 656.	0.5	10
88	Ammonia Uptake and Release in the MnX ₂ ·nNH ₃ (X = Cl, Br) Systems and Structure of the Mn(NH ₃) _n X ₂ (n = 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12). <i>Journal of Solid State Chemistry</i> , 2012, 185, 213-218.	1.0	21
89	Emerging concepts in solid-state hydrogen storage: the role of nanomaterials design. <i>Energy and Environmental Science</i> , 2012, 5, 5951.	15.6	130
90	Structural studies of magnesium nitride fluorides by powder neutron diffraction. <i>Journal of Solid State Chemistry</i> , 2012, 185, 213-218.	1.4	17

#	ARTICLE	IF	CITATIONS
91	Structure, stoichiometry and transport properties of lithium copper nitride battery materials: combined NMR and powder neutron diffraction studies. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 10641.	1.3	9
92	Ultra-rapid, sustainable and selective synthesis of silicon carbide powders and nanomaterials via microwave heating. <i>Energy and Environmental Science</i> , 2011, 4, 1503.	15.6	38
93	Synthesis of LiNH ₂ + LiH by reactive milling of Li ₃ N. <i>Faraday Discussions</i> , 2011, 151, 253.	1.6	13
94	In situ powder neutron diffraction study of non-stoichiometric phase formation during the hydrogenation of Li ₃ N. <i>Faraday Discussions</i> , 2011, 151, 263.	1.6	12
95	Ternary and higher pnictides; prospects for new materials and applications. <i>Chemical Society Reviews</i> , 2011, 40, 4099.	18.7	52
96	New Ternary and Quaternary Barium Nitride Halides; Synthesis and Crystal Chemistry. <i>Inorganic Chemistry</i> , 2011, 50, 9545-9553.	1.9	21
97	On the Regeneration of Co ₃ Mo ₃ N from Co ₆ Mo ₆ N with N ₂ . <i>Catalysis Letters</i> , 2011, 141, 22-26.	1.4	43
98	One-Step Synthesis of Bismuth Telluride Nanosheets of a Few Quintuple Layers in Thickness. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 10397-10401.	7.2	75
99	New Surface-Directed Vapour Transport Methods for the Controlled Growth of Nickel Sulfide Nanomaterials. <i>Israel Journal of Chemistry</i> , 2010, 50, 515-523.	1.0	6
100	Hydrogen: A future energy vector for sustainable development. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2010, 224, 539-558.	1.1	54
101	Topotactic Nitrogen Transfer: Structural Transformation in Cobalt Molybdenum Nitrides. <i>Chemistry of Materials</i> , 2010, 22, 2898-2907.	3.2	78
102	Tunable Defect Structure in the Li ⁺ Mg ²⁺ N Ternary Phase System: A Powder Neutron Diffraction Study. <i>Chemistry of Materials</i> , 2010, 22, 3174-3182.	3.2	6
103	Synthesis design strategies to anisotropic chalcogenidenanostructures. <i>CrystEngComm</i> , 2010, 12, 641-659.	1.3	34
104	Structural and compositional tuning of layered subnitrides; new complex nitride halides. <i>Dalton Transactions</i> , 2010, 39, 7153.	1.6	5
105	First time microwave synthesis of As ₄₀ Se ₆₀ chalcogenide glass. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2134-2145.	1.5	12
106	Superconducting tantalum disulfide nanotapes; growth, structure and stoichiometry. <i>Nanoscale</i> , 2010, 2, 90-97.	2.8	18
107	Pressure-dependent deuterium reaction pathways in the Li ⁺ N ²⁻ D system. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2089.	1.3	26
108	Frontiers of synthetic solid state chemistry. <i>Dalton Transactions</i> , 2010, 39, 5941.	1.6	0

#	ARTICLE	IF	CITATIONS
109	Ultrarapid Microwave Synthesis of Superconducting Refractory Carbides. <i>Advanced Materials</i> , 2009, 21, 4502-4504.	11.1	26
110	3D Nitride Frameworks with Variable Channel Sizes; Synthesis and Powder Neutron Diffraction Study of the Nitride Carbodiimides, $\text{Ca}_4\text{N}_2(\text{CN}_2)$ and $\text{Ca}_{11}\text{N}_6(\text{CN}_2)_2$. <i>Topics in Catalysis</i> , 2009, 52, 1598-1603.	1.3	3
111	Muon Spin Relaxation Studies of Lithium Nitridometallate Battery Materials: Muon Trapping and Lithium Ion Diffusion. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20758-20763.	1.5	26
112	Hydrogen storage materials: present scenarios and future directions. <i>Annual Reports on the Progress of Chemistry Section A</i> , 2009, 105, 21.	0.8	87
113	Facile synthesis of bimetallic carbonitrides, $\text{V}_1\text{T}_x(\text{C,N})$, by microwave carbothermal reduction-ammonolysis/carburisation (MW-CRAC) methods. <i>Journal of the European Ceramic Society</i> , 2009, 29, 2355-2361.	2.8	16
114	Electrochemical behaviour of nano-sized spinel LiMn_2O_4 and $\text{LiAl}_x\text{Mn}_{2-x}\text{O}_4$ ($x=\text{Al}: 0.00\text{--}0.40$) synthesized via fumaric acid-assisted sol-gel synthesis for use in lithium rechargeable batteries. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 2082-2090.	1.9	36
115	Lithium nitrides as sustainable energy materials. <i>Chemical Record</i> , 2008, 8, 229-239.	2.9	47
116	Synthesis, stoichiometry and thermal stability of Zn_3N_2 powders prepared by ammonolysis reactions. <i>Journal of Solid State Chemistry</i> , 2008, 181, 158-165.	1.4	27
117	Studies on chromium/aluminium-doped manganese spinel as cathode materials for lithium-ion batteries—A novel chelated sol-gel synthesis. <i>Journal of Materials Processing Technology</i> , 2008, 208, 520-531.	3.1	41
118	Phthalic acid assisted nano-sized spinel LiMn_2O_4 and $\text{LiCr}_{1-x}\text{Mn}_x\text{O}_4$ ($x=0.00\text{--}0.40$) via sol-gel synthesis and its electrochemical behaviour for use in Li-ion-batteries. <i>Materials Research Bulletin</i> , 2008, 43, 2119-2129.	2.7	41
119	Nanostructural Evolution: From One-Dimensional Tungsten Oxide Nanowires to Three-Dimensional Ferberite Flowers. <i>Chemistry of Materials</i> , 2008, 20, 5657-5665.	3.2	73
120	Lithium nitrides, imides and amides as lightweight, reversible hydrogen stores. <i>Journal of Materials Chemistry</i> , 2008, 18, 2321.	6.7	82
121	Towards New Negative Electrode Materials for Li-Ion Batteries: Electrochemical Properties of LiNiN . <i>Chemistry of Materials</i> , 2008, 20, 1676-1678.	3.2	38
122	Magnetic properties of sol-gel-derived doped ZnO as a potential ferromagnetic semiconductor: a synchrotron-based study. <i>New Journal of Physics</i> , 2008, 10, 055012.	1.2	18
123	Imides and amides as hydrogen storage materials. , 2008, , 450-477.		4
124	Low-Temperature Magnetic Properties of Hematite Nanorods. <i>Chemistry of Materials</i> , 2007, 19, 916-921.	3.2	75
125	Dilute Momentn-Type Ferromagnetic Semiconductor $\text{Li}(\text{Zn,Mn})\text{As}$. <i>Physical Review Letters</i> , 2007, 98, 067202.	2.9	75
126	Ultra-rapid processing of refractory carbides; 20 s synthesis of molybdenum carbide, Mo_2C . <i>Chemical Communications</i> , 2007, , 742-744.	2.2	35

#	ARTICLE	IF	CITATIONS
127	Preparation and characterization of tungsten oxynitride nanowires. <i>Journal of Materials Chemistry</i> , 2007, 17, 4436.	6.7	56
128	Towards nitrogen transfer catalysis: reactive lattice nitrogen in cobalt molybdenum nitride. <i>Chemical Communications</i> , 2007, , 3051.	2.2	73
129	A Mechanism for Non-stoichiometry in the Lithium Amide/Lithium Imide Hydrogen Storage Reaction. <i>Journal of the American Chemical Society</i> , 2007, 129, 1594-1601.	6.6	229
130	Ultrarapid Materials Processing: Synthesis of Tungsten Carbide on Subminute Timescales. <i>Advanced Materials</i> , 2007, 19, 138-142.	11.1	41
131	Crystal growth and redetermination of strontium nitride iodide, Sr ₂ Nl. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, i177-i177.	0.2	2
132	Structural chemistry of Cu ₃ N powders obtained by ammonolysis reactions. <i>Solid State Sciences</i> , 2007, 9, 907-913.	1.5	32
133	Crystal Chemistry and Electronic Structure of the Metallic Lithium Ion Conductor, LiNiN. <i>Journal of the American Chemical Society</i> , 2007, 129, 1912-1920.	6.6	21
134	A study on the synthesis and characterisation of nanocrystalline transition metal oxynitrides. <i>Journal of Materials Science</i> , 2007, 42, 6779-6786.	1.7	5
135	Stoichiometry and Defect Structure Control in the Ternary Lithium Nitridometalates Li _{3-x-y} Ni _x N. <i>Chemistry of Materials</i> , 2006, 18, 313-320.	3.2	23
136	Hydrothermally synthesised Fe ₂ O ₃ nanoparticles as catalyst precursors for the CVD production of graphitic nanofibres. <i>Journal of Physics: Conference Series</i> , 2006, 26, 195-198.	0.3	7
137	Synthesis and structure of the ternary and quaternary strontium nitride halides, Sr ₂ N(X, X ²) (X, X ² =Cl, I) T_j ETQ ₀₁ 1 0.784314 rgB	1.4	19
138	Single-Step Synthesis and Surface-Assisted Growth of Superconducting TaS ₂ Nanowires. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7060-7063.	7.2	30
139	Ternary and quaternary layered nitride halides, Ca ₂ N(X,X ²) (X,X ² =Cl, Br, I): Evolution of structure with composition. <i>Journal of Solid State Chemistry</i> , 2005, 178, 1807-1817.	1.4	18
140	Structural refinement of Eu doped CaMgSi ₂ O ₆ using X-ray powder diffraction data. <i>Journal of Luminescence</i> , 2005, 115, 1-6.	1.5	9
141	Strain amplitude response and the microstructure of PA/clay nanocomposites. <i>Polymer</i> , 2005, 46, 6429-6436.	1.8	42
142	Site Preference of La in Bi _{3.75} La _{0.25} Ti ₃ O ₁₂ Using Neutron Powder Diffraction and Raman Scattering. <i>Journal of Electroceramics</i> , 2005, 14, 265-271.	0.8	7
143	Metallic Nanowires of Nb ₃ Te ₄ : A Nanostructured Chalcogenide. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3555-3558.	7.2	15
144	Crystal Growth, Defect Structure and Magnetism of New Li ₃ N-Derived Lithium Nitridocobaltates.. <i>ChemInform</i> , 2005, 36, no.	0.1	0

#	ARTICLE	IF	CITATIONS
145	Metallic Nanowires of Nb ₃ Te ₄ : A Nanostructured Chalcogenide.. ChemInform, 2005, 36, no.	0.1	0
146	Through-space contributions to two-dimensional double-quantum J correlation NMR spectra of magic-angle-spinning solids. Journal of Chemical Physics, 2005, 122, 194313.	1.2	82
147	Quantitative phase analysis of boron nitride nanotubes using Rietveld refinement. Journal Physics D: Applied Physics, 2005, 38, 1127-1131.	1.3	8
148	Growth and Microstructural Characterization of Single Crystalline Nb ₃ Te ₄ Nanowires. Crystal Growth and Design, 2005, 5, 1633-1637.	1.4	9
149	Flexible Ligands and Structural Diversity: Isomerism in Cd(NO ₃) ₂ Coordination Polymers. Inorganic Chemistry, 2005, 44, 2544-2552.	1.9	45
150	Magnesium Diodide, MgI ₂ .. ChemInform, 2004, 35, no.	0.1	0
151	Fast Lithium Ion Diffusion in the Ternary Layered Nitridometalate LiNiN.. ChemInform, 2004, 35, no.	0.1	0
152	New mixed alkaline-earth nitridomolybdate(vi) nitride oxides with anion-ordered sub-structures Dedicated to Dr Marten G. Barker in memoriam.. Dalton Transactions, 2004, , 1298.	1.6	4
153	Crystal growth, defect structure and magnetism of new Li ₃ N-derived lithium nitridocobaltates. Chemical Communications, 2004, , 2812.	2.2	22
154	Evolution of structure, transport properties and magnetism in ternary lithium nitridometalates Li ₃ x ^y MxN, M = Co, Ni, Cu. Dalton Transactions, 2004, , 3093-3097.	1.6	23
155	Fast Lithium Ion Diffusion in the Ternary Layered Nitridometalate LiNiN. Journal of the American Chemical Society, 2004, 126, 4066-4067.	6.6	31
156	Sol-gel formation of ordered nanostructured doped ZnO films. Journal of Materials Chemistry, 2004, 14, 1087.	6.7	87
157	Synthesis and Characterization of the Ternary Nitride, Sr ₂ TaN ₃ .. ChemInform, 2003, 34, no.	0.1	0
158	Lithium Niobium Disulfide, Li _{0.63} NbS ₂ .. ChemInform, 2003, 34, no.	0.1	0
159	Crystal Chemistry and Electronic Structure of the Metallic Ternary Nitride, SrTiN ₂ .. ChemInform, 2003, 34, no.	0.1	0
160	Lithium niobium disulfide, Li _{0.63} NbS ₂ . Acta Crystallographica Section C: Crystal Structure Communications, 2003, 59, i4-i6.	0.4	7
161	Magnesium diiodide, MgI ₂ . Acta Crystallographica Section C: Crystal Structure Communications, 2003, 59, i136-i138.	0.4	14
162	Li _{0.7} NbS ₂ : structural effects of increased alkali metal content. Acta Crystallographica Section E: Structure Reports Online, 2003, 59, i112-i115.	0.2	1

#	ARTICLE	IF	CITATIONS
163	Crystal Chemistry and Electronic Structure of the Metallic Ternary Nitride, SrTiN ₂ . Chemistry of Materials, 2003, 15, 3922-3929.	3.2	29
164	Synthesis and characterisation of the ternary nitride, Sr ₂ TaN ₃ . Journal of Alloys and Compounds, 2003, 348, 80-87.	2.8	18
165	New metathesis routes to layered dichalcogenides: synthesis, crystal growth and structure of NayNbX ₂ (y = 0.5, X = S, Se). Journal of Materials Chemistry, 2003, 13, 175-180.	6.7	7
166	Synthesis and structure of new mixed alkaline-earth nitridomolybdates and nitridotungstates, (Ba,Ca) ₃ [MN ₄] (M = Mo, W) Dedicated to Dr Marten G. Barker in memoriam.. Dalton Transactions, 2003, , 1065-1069.	1.6	8
167	Structure of Lithium Nitride and Transition-Metal-Doped Derivatives, Li _{3-x} yM _x N (M = Ni, Cu): A Powder Neutron Diffraction Study. Chemistry of Materials, 2002, 14, 2063-2070.	3.2	77
168	Probing copper halide supramolecular arrays of a ditopic ligand with complexes of a monotopic analogue Dedicated to Barbara Duncan on the occasion of her retirement as Senior Teaching Fellow in Chemistry at the University of Otago, in acknowledgement of her contribution to our research activities.. Dalton Transactions RSC, 2002, , 1574-1580.	2.3	32
169	New families of mixed alkaline-earth nitridomolybdates and nitridotungstates, (Ba,Sr) ₃ [MN ₄] (M = Mo, W) Dalton Transactions RSC, 2002, , 1574-1580.	2.3	32
170	Title is missing!. Topics in Catalysis, 2002, 20, 65-74.	1.3	78
171	Ternary lithium nitridocuprates, Li _{3-x} yCu _x N: crystal growth, bulk synthesis, structure and magnetic properties. Solid State Sciences, 2001, 3, 973-981.	0.8	23
172	Layered ternary transition metal nitrides; synthesis, structure and physical properties. Journal of Alloys and Compounds, 2001, 317-318, 237-244.	2.8	42
173	Heteroanionic intercalation into positively charged inorganic hosts: the first nitride mixed halides. Chemical Communications, 2001, , 1650-1651.	2.2	13
174	Synthesis, stoichiometry and structure of the quaternary scandium cuprate Ba ₃ Cu ₃ Sc ₄ O ₁₂ and of 334-phase solid solution members Ba ₃ Cu ₃ Sc ₄ âˆ’xIn _x O ₁₂ (0 ≤ x ≤ 4). Journal of Materials Chemistry, 2001, 11, 806-814.	6.7	10
175	Topological isomerism in coordination polymers. Chemical Communications, 2001, , 1432-1433.	2.2	213
176	Nitride chemistry of the s-block elements. Coordination Chemistry Reviews, 2001, 215, 301-345.	9.5	83
177	Precipitation of Solvent-Free C ₆₀ (CO ₂) _{0.95} from Conventional Solvents: A New Antisolvent Approach to Controlled Crystal Growth Using Supercritical Carbon Dioxide. Journal of the American Chemical Society, 2000, 122, 2480-2488.	6.6	41
178	Synthesis and crystal structure of a new strontium nitridomolybdate oxide, Sr ₄ [MoN ₄]O. Dalton Transactions RSC, 2000, , 633-638.	2.3	4
179	Dicalcium nitride, Ca ₂ Nâˆ’ a 2D "excess electron" compound; synthetic routes and crystal chemistry. Journal of Materials Chemistry, 2000, 10, 1635-1641.	6.7	67
180	Structural families in nitride chemistry. Journal of the Chemical Society Dalton Transactions, 1999, , 259-270.	1.1	129

#	ARTICLE	IF	CITATIONS
181	Novel layered lithium nitridonickelates; effect of Li vacancy concentration on N co-ordination geometry and Ni oxidation state. <i>Chemical Communications</i> , 1999, , 1187-1188.	2.2	31
182	Synthesis, Structure, and Magnetic Properties of the New Ternary Nitride BaHfN ₂ and of the BaHf _{1-x} Zr _x N ₂ Solid Solution. <i>Journal of Solid State Chemistry</i> , 1998, 137, 62-70.	1.4	41
183	Synthesis and Structure of the New Ternary Nitride SrTiN ₂ . <i>Inorganic Chemistry</i> , 1998, 37, 3775-3778.	1.9	33
184	Synthesis, Structure and Magnetic Properties of the Group IV Ternary Nitrides, AMN ₂ (A = Ti, Zr, Hf). <i>Journal of Solid State Chemistry</i> , 1998, 137, 547, 401.	0.1	2
185	Synthesis and crystal structures of the new ternary nitrides Sr ₃ CrN ₃ and Ba ₃ CrN ₃ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1996, , 1.	1.1	58
186	Synthesis and Structure of Two New Layered Ternary Nitrides, SrZrN ₂ and SrHfN ₂ . <i>Inorganic Chemistry</i> , 1996, 35, 7608-7613.	1.9	36
187	Synthesis and Structure of Ca ₆ MnN ₅ : A New Nitridomanganate with Planar [MnN ₃] ⁶⁻ Anions. <i>Inorganic Chemistry</i> , 1995, 34, 5195-5198.	1.9	45
188	Synthesis and Structure of Sr ₂ VN ₃ and Ba ₂ VN ₃ , Two New Nitridovanadates. <i>Inorganic Chemistry</i> , 1995, 34, 3912-3916.	1.9	38
189	Neutron diffraction study of the "doubled perovskite" phases Ba ₂ M _{2-x} Cu _x O ₄ +δ (M = In, Sc). <i>Journal of Materials Chemistry</i> , 1994, 4, 921-929.	6.7	5
190	Phases in the System Ba ₂ M _{2-x} Cu _x O ₄ +δ, M = In, Sc: Structure and Oxygen Stoichiometry. <i>Journal of Solid State Chemistry</i> , 1993, 107, 134-148.	1.4	54
191	Alkaline earth doping in lanthanum neodymium calcium cuprates with the "1212" structure. <i>Materials Research Bulletin</i> , 1992, 27, 1309-1318.	2.7	9
192	Oxygen distribution and the structure of La _{2-x} Ba _x SrCu ₂ O _{6±δ} (0 < x < 0.25). <i>Materials Research Bulletin</i> , 1990, 25, 1279-1286.	2.7	14
193	Oxygen stoichiometry and superconductivity in (YLa) _{1-x} (Ba _{3.4} La _{0.6})Cu ₆ O _{14±y} . <i>Superconductor Science and Technology</i> , 1989, 2, 125-128.	1.8	0
194	Understanding the effect of lattice polarisability on the electrochemical properties of lithium tetrahaloaluminates, LiAl ₄ X ₄ (X = Cl, Br, I). <i>Journal of Materials Chemistry A</i> , 2010, 22, 10000-10000.	5.2	3