

Duncan H Gregory

List of Publications by Year in descending order

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194
papers

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citations

61984

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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.	4.6	1
2	Improved Photoelectrochemical Performance of Chemically Grown Pristine Hematite Thin Films. Journal of Electronic Materials, 2022, 51, 652-669.	2.2	2
3	Fe-POM/attapulgite composite materials: Efficient catalysts for plastic pyrolysis. Waste Management and Research, 2022, 40, 1433-1439.	3.9	3
4	Energy-Saving Pathways for Thermoelectric Nanomaterial Synthesis: Hydrothermal/Solvothermal, Microwave-Assisted, Solution-Based, and Powder Processing. Advanced Science, 2022, 9, .	11.2	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.	8.0	15
6	Mechanochemical Synthesis and Structure of Lithium Tetrahaloaluminates, LiAlX ₄ (X = Cl, F). Journal of Solid State Chemistry, 2021, 393, 125001.	2.3	23
7	From binary to multinary copper based nitrides – Unlocking the potential of new applications. Coordination Chemistry Reviews, 2021, 436, 213791.	18.8	15
8	Solution/Ammonolysis Syntheses of Unsupported and Silica-Supported Copper(I) Nitride Nanostructures from Oxidic Precursors. Molecules, 2021, 26, 4926.	3.8	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.	9.0	4
10	Facile in situ solution synthesis of SnSe/rGO nanocomposites with enhanced thermoelectric performance. Journal of Materials Chemistry A, 2020, 8, 1394-1402.	10.3	117
11	Flash microwave-assisted solvothermal (FMS) synthesis of photoactive anatase sub-microspheres with hierarchical porosity. RSC Advances, 2020, 10, 37233-37245.	3.6	2
12	Low dimensional nanostructures of fast ion conducting lithium nitride. Nature Communications, 2020, 11, 4492.	12.8	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.	4.8	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.	3.3	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.	4.0	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.	3.9	15
17	Metal Hydrides and Related Materials. Energy Carriers for Novel Hydrogen and Electrochemical Storage. Journal of Physical Chemistry C, 2020, 124, 7599-7607.	3.1	52
18	Propagation of amorphous oxide nanowires via the VLS mechanism: growth kinetics. Nanoscale Advances, 2019, 1, 3568-3578.	4.6	39

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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.	6.7	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.	4.9	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.	5.5	14
22	van der Waals Contact Engineering of Graphene Field-Effect Transistors for Large-Area Flexible Electronics. ACS Nano, 2019, 13, 3257-3268.	14.6	60
23	Toward New Thermoelectrics: Tin Selenide/Modified Graphene Oxide Nanocomposites. ACS Omega, 2019, 4, 6010-6019.	3.5	13
24	Molecular-salt hybrids; integration of ammonia borane into lithium halides. Inorganic Chemistry Frontiers, 2019, 6, 808-812.	6.0	1
25	Conceptual design and performance evaluation of a hybrid concentrating photovoltaic system in preparation for energy. Energy, 2018, 147, 547-560.	8.8	24
26	Topotactic anion-exchange in thermoelectric nanostructured layered tin chalcogenides with reduced selenium content. Chemical Science, 2018, 9, 3828-3836.	7.4	28
27	Ammonia Borane Based Nanocomposites as Solid-State Hydrogen Stores for Portable Power Applications. Energy Technology, 2018, 6, 583-594.	3.8	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.	2.7	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.	6.1	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.	9.1	80
32	Chlorine-Enabled Electron Doping in Solution-Synthesized SnSe Thermoelectric Nanomaterials. Advanced Energy Materials, 2017, 7, 1602328.	19.5	64
33	A metamorphic inorganic framework that can be switched between eight single-crystalline states. Nature Communications, 2017, 8, 14185.	12.8	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.	8.9	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.	5.7	35
36	Recent progress in the synthesis of nanostructured magnesium hydroxide. CrystEngComm, 2017, 19, 6067-6084.	2.6	72

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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.	10.1	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.	2.9	27
40	Nanowire FET Based Neural Element for Robotic Tactile Sensing Skin. <i>Frontiers in Neuroscience</i> , 2017, 11, 501.	2.8	97
41	Facile Uptake and Release of Ammonia by Nickel Halide Ammines. <i>ChemSusChem</i> , 2016, 9, 1312-1321.	6.8	8
42	Facile Surfactant-Free Synthesis of p-Type SnSe Nanoplates with Exceptional Thermoelectric Power Factors. <i>Angewandte Chemie</i> , 2016, 128, 6543-6547.	2.0	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.	13.8	81
44	Scalable solar thermoelectrics and photovoltaics (SUNTRAP). <i>AIP Conference Proceedings</i> , 2016, , .	0.4	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.	5.5	21
47	Thermal performance of two heat exchangers for thermoelectric generators. <i>Case Studies in Thermal Engineering</i> , 2016, 8, 164-175.	5.7	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.	2.4	26
49	Ba ₆ ³ x 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.	2.2	17
50	Facile preparation of β -MgH ₂ nanocomposites under mild conditions and pathways to rapid dehydrogenation. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 10492-10498.	2.8	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.	9.2	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.	2.5	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.	2.2	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.	6.7	20

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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, .	2.2	2
57	Rapid surfactant-free synthesis of Mg(OH) ₂ nanoplates and pseudomorphic dehydration to MgO. <i>CrystEngComm</i> , 2015, 17, 5672-5679.	2.6	44
58	Revisiting the Hydrogen Storage Behavior of the Na-O-H System. <i>Materials</i> , 2015, 8, 2191-2203.	2.9	18
59	Recent Advances in the Use of Sodium Borohydride as a Solid State Hydrogen Store. <i>Energies</i> , 2015, 8, 430-453.	3.1	97
60	Temperature-dependent structural behavior of mixed-metal hydroxides in air. <i>Materials Letters</i> , 2015, 151, 104-108.	2.6	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.	6.0	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.	1.5	6
64	Rapid, energy-efficient synthesis of the layered carbide, Al ₄ C ₃ . <i>Green Chemistry</i> , 2015, 17, 285-290.	9.0	23
65	Innovative Inorganic Synthesis. <i>Inorganics</i> , 2014, 2, 552-555.	2.7	1
66	Modern Microwave Methods in Solid-State Inorganic Materials Chemistry: From Fundamentals to Manufacturing. <i>Chemical Reviews</i> , 2014, 114, 1170-1206.	47.7	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.	3.6	14
69	A Study of ¹⁵ N/ ¹⁴ N Isotopic Exchange over Cobalt Molybdenum Nitrides. <i>ACS Catalysis</i> , 2013, 3, 1719-1725.	11.2	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.	2.4	13
71	The chemistry of ternary and higher lithium nitrides. <i>Coordination Chemistry Reviews</i> , 2013, 257, 1978-2014.	18.8	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.	2.8	17

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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.	4.7	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.	4.8	2
75	Facile synthesis of nanosized sodium magnesium hydride, NaMgH ₃ . <i>Progress in Natural Science: Materials International</i> , 2013, 23, 343-350.	4.4	15
76	Energy and environment policy case for a global project on artificial photosynthesis. <i>Energy and Environmental Science</i> , 2013, 6, 695.	30.8	264
77	Rapid Microwave Synthesis, Characterization and Reactivity of Lithium Nitride Hydride, Li ₄ NH. <i>Materials</i> , 2013, 6, 5410-5426.	2.9	7
78	Mechanochemical synthesis of sustainable energy materials. <i>Nanomaterials and Energy</i> , 2013, 2, 229-234.	0.2	0
79	Welcome to <i>Inorganics</i> : A New Open Access, Inclusive Forum for Inorganic Chemistry. <i>Inorganics</i> , 2013, 1, 1-2.	2.7	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.	0.2	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.	4.0	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.	5.6	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.	9.0	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.	1.4	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.	0.9	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). <i>Journal of Solid State Chemistry</i> , 2012, 185, 213-218.	2.2	21
89	Emerging concepts in solid-state hydrogen storage: the role of nanomaterials design. <i>Energy and Environmental Science</i> , 2012, 5, 5951.	30.8	130
90	Structural studies of magnesium nitride fluorides by powder neutron diffraction. <i>Journal of Solid State Chemistry</i> , 2012, 185, 213-218.	2.9	17

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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.	2.8	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.	30.8	38
93	Synthesis of LiNH ₂ + LiH by reactive milling of Li ₃ N. <i>Faraday Discussions</i> , 2011, 151, 253.	3.2	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.	3.2	12
95	Ternary and higher pnictides; prospects for new materials and applications. <i>Chemical Society Reviews</i> , 2011, 40, 4099.	38.1	52
96	New Ternary and Quaternary Barium Nitride Halides; Synthesis and Crystal Chemistry. <i>Inorganic Chemistry</i> , 2011, 50, 9545-9553.	4.0	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.	2.6	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.	13.8	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.	2.3	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.	2.1	54
101	Topotactic Nitrogen Transfer: Structural Transformation in Cobalt Molybdenum Nitrides. <i>Chemistry of Materials</i> , 2010, 22, 2898-2907.	6.7	78
102	Tunable Defect Structure in the Li ^x Mg ^{1-x} N Ternary Phase System: A Powder Neutron Diffraction Study. <i>Chemistry of Materials</i> , 2010, 22, 3174-3182.	6.7	6
103	Synthesis design strategies to anisotropic chalcogenide nanostructures. <i>CrystEngComm</i> , 2010, 12, 641-659.	2.6	34
104	Structural and compositional tuning of layered subnitrides; new complex nitride halides. <i>Dalton Transactions</i> , 2010, 39, 7153.	3.3	5
105	First time microwave synthesis of As ₄₀ Se ₆₀ chalcogenide glass. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 2134-2145.	3.1	12
106	Superconducting tantalum disulfide nanotapes; growth, structure and stoichiometry. <i>Nanoscale</i> , 2010, 2, 90-97.	5.6	18
107	Pressure-dependent deuterium reaction pathways in the Li ^x N ^{1-x} D system. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 2089.	2.8	26
108	Frontiers of synthetic solid state chemistry. <i>Dalton Transactions</i> , 2010, 39, 5941.	3.3	0

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109	Ultrarapid Microwave Synthesis of Superconducting Refractory Carbides. <i>Advanced Materials</i> , 2009, 21, 4502-4504.	21.0	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.	2.8	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.	3.1	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.	5.7	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.	4.0	36
115	Lithium nitrides as sustainable energy materials. <i>Chemical Record</i> , 2008, 8, 229-239.	5.8	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.	2.9	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.	6.3	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.	5.2	41
119	Nanostructural Evolution: From One-Dimensional Tungsten Oxide Nanowires to Three-Dimensional Ferberite Flowers. <i>Chemistry of Materials</i> , 2008, 20, 5657-5665.	6.7	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.	6.7	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.	2.9	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.	6.7	75
125	Dilute Momentn-Type Ferromagnetic Semiconductor $\text{Li}(\text{Zn,Mn})\text{As}$. <i>Physical Review Letters</i> , 2007, 98, 067202.	7.8	75
126	Ultra-rapid processing of refractory carbides; 20 s synthesis of molybdenum carbide, Mo_2C . <i>Chemical Communications</i> , 2007, , 742-744.	4.1	35

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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.	4.1	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.	13.7	229
130	Ultrarapid Materials Processing: Synthesis of Tungsten Carbide on Subminute Timescales. <i>Advanced Materials</i> , 2007, 19, 138-142.	21.0	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.	3.2	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.	13.7	21
134	A study on the synthesis and characterisation of nanocrystalline transition metal oxynitrides. <i>Journal of Materials Science</i> , 2007, 42, 6779-6786.	3.7	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.	6.7	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.	0.4	7
137	Synthesis and structure of the ternary and quaternary strontium nitride halides, Sr ₂ N(X, X ²) (X, X ² =Cl, I) <i>J. Electroanal. Chem.</i> 2006, 591, 1-6.	2.9	19
138	Single-Step Synthesis and Surface-Assisted Growth of Superconducting TaS ₂ Nanowires. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 7060-7063.	13.8	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.	2.9	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.	3.1	9
141	Strain amplitude response and the microstructure of PA/clay nanocomposites. <i>Polymer</i> , 2005, 46, 6429-6436.	3.8	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.	2.0	7
143	Metallic Nanowires of Nb ₃ Te ₄ : A Nanostructured Chalcogenide. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3555-3558.	13.8	15
144	Crystal Growth, Defect Structure and Magnetism of New Li ₃ N-Derived Lithium Nitridocobaltates.. <i>ChemInform</i> , 2005, 36, no.	0.0	0

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145	Metallic Nanowires of Nb ₃ Te ₄ : A Nanostructured Chalcogenide.. ChemInform, 2005, 36, no.	0.0	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.	3.0	82
147	Quantitative phase analysis of boron nitride nanotubes using Rietveld refinement. Journal Physics D: Applied Physics, 2005, 38, 1127-1131.	2.8	8
148	Growth and Microstructural Characterization of Single Crystalline Nb ₃ Te ₄ Nanowires. Crystal Growth and Design, 2005, 5, 1633-1637.	3.0	9
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