Jeremy Sloan

List of Publications by Year
in descending order

175 papers	10,996 citations	32410 55 h-index	37326 100 g-index
197 all docs	197 docs citations	197 times ranked	13834 citing authors

#	Article	IF	Citations
1	Vibrational and electronic structures of tin selenide nanowires confined inside carbon nanotubes. Synthetic Metals, 2022, 284, 116968.	2.1	9
2	Zigzag HgTe Nanowires Modify the Electronâ€“Phonon Interaction in Chirality-Refined Single-Walled Carbon Nanotubes. ACS Nano, 2022, 16, 6789-6800.	7.3	10
3	Ultrafast, high modulation depth terahertz modulators based on carbon nanotube thin films. Carbon, 2021, 173, 245-252.	5.4	22
4	Linear and Helical Cesium Iodide Atomic Chains in Ultranarrow Single-Walled Carbon Nanotubes: Impact on Optical Properties. ACS Nano, 2021, 15, 13389-13398.	7.3	20
5	Ultrafast Optoelectronic Processes in 1D Radial van der Waals Heterostructures: Carbon, Boron Nitride, and MoS₂ Nanotubes with Coexisting Excitons and Highly Mobile Charges. Nano Letters, 2020, 20, 3560-3567.	4.5	40
6	Characterisation of graphite nanoplatelets (GNP) prepared at scale by high-pressure homogenisation. Journal of Materials Chemistry C, 2019, 7, 6383-6390.	2.7	26
7	Giant Negative Terahertz Photoconductivity in Controllably Doped Carbon Nanotube Networks. ACS Photonics, 2019, 6, 1058-1066.	3.2	38
8	Unprecedented New Crystalline Forms of SnSe in Narrow to Medium Diameter Carbon Nanotubes. Nano Letters, 2019, 19, 2979-2984.	4.5	34
9	Active site isolation in bismuth-poisoned Pd/SiO2 catalysts for selective hydrogenation of furfural. Applied Catalysis A: General, 2019, 570, 183-191.	2.2	25
10	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.	4.5	21
11	2D boron nitride nanosheets (BNNS) prepared by high-pressure homogenisation: structure and morphology. Nanoscale, 2018, 10, 19469-19477.	2.8	80
12	Vibrational dynamics of extreme <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2</mml:mn><mml:mo>Ã—</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mo>Ã—</mml:mo><mml:mn>3</mml:mn></mml:mrow></mml:math> potassium iodide nanowires encapsulated in single-walled carbon nanotubes. Physical Review B, 2018, 98, .	1.1	3
13	Electronic Structure Control of Sub-nanometer 1D SnTe via Nanostructuring within Single-Walled Carbon Nanotubes. ACS Nano, 2018, 12, 6023-6031.	7.3	42
14	Scalable Patterning of Encapsulated Black Phosphorus. Nano Letters, 2018, 18, 5373-5381.	4.5	43
15	Electrodeposition of tin nanowires from a dichloromethane based electrolyte. RSC Advances, 2018, 8, 24013-24020.	1.7	11
16	Atomic Defects and Doping of Monolayer NbSe₂. ACS Nano, 2017, 11, 2894-2904.	7.3	63
17	Single-Atom Scale Structural Selectivity in Te Nanowires Encapsulated Inside Ultranarrow, Single-Walled Carbon Nanotubes. ACS Nano, 2017, 11, 6178-6185.	7.3	69
18	The Unexpected Complexity of Filling Double-Wall Carbon Nanotubes With Nickel (and Iodine) 1-D Nanocrystals. IEEE Nanotechnology Magazine, 2017, 16, 759-766.	1.1	7

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19	Size-Dependent Structure Relations between Nanotubes and Encapsulated Nanocrystals. Nano Letters, 2017, 17, 805-810.	4.5	24
20	Supercritical fluid electrodeposition, structural and electrical characterisation of tellurium nanowires. RSC Advances, 2017, 7, 40720-40726.	1.7	8
21	Encapsulated nanowires: Boosting electronic transport in carbon nanotubes. Physical Review B, 2017, 95, .	1.1	18
22	Phase diagram of germanium telluride encapsulated in carbon nanotubes from first-principles searches. Physical Review Materials, 2017, 1, .	0.9	10
23	Electrodeposition of Nickel Hydroxide Nanoparticles on Carbon Nanotube Electrodes: Correlation of Particle Crystallography with Electrocatalytic Properties. Journal of Physical Chemistry C, 2016, 120, 16059-16068.	1.5	50
24	Ba4Ru3O10.2(OH)1.8: a new member of the layered hexagonal perovskite family crystallised from water. Chemical Communications, 2016, 52, 6375-6378.	2.2	10
25	A new insight on the mechanisms of filling closed carbon nanotubes with molten metal iodides. Carbon, 2016, 110, 48-50.	5.4	16
26	Coherence lifetime broadened optical transitions in a 2 atom diameter HgTe nanowire: a temperature dependent resonance Raman study. RSC Advances, 2016, 6, 95387-95395.	1.7	4
27	Local Aâ€Site Layering in Rareâ€Earth Orthochromite Perovskites by Solution Synthesis. Chemistry - A European Journal, 2016, 22, 18362-18367.	1.7	14
28	Surface modification and porosimetry of vertically aligned hexagonal mesoporous silica films. RSC Advances, 2016, 6, 113432-113441.	1.7	11
29	Resonance Raman Spectroscopy of Extreme Nanowires and Other 1D Systems. Journal of Visualized Experiments, 2016, , .	0.2	1
30	Carbon Nanotubes as Electrically Active Nanoreactors for Multi-Step Inorganic Synthesis: Sequential Transformations of Molecules to Nanoclusters and Nanoclusters to Nanoribbons. Journal of the American Chemical Society, 2016, 138, 8175-8183.	6.6	68
31	Selective Imaging of Discrete Polyoxometalate Ions on Graphene Oxide under Variable Voltage Conditions. ACS Nano, 2016, 10, 796-802.	7.3	7
32	Covalently Binding Atomically Designed Au₉ Clusters to Chemically Modified Graphene. Angewandte Chemie - International Edition, 2015, 54, 9560-9563.	7.2	18
33	Incorporation of square-planar Pd²⁺ in fluorite CeO₂: hydrothermal preparation, local structure, redox properties and stability. Journal of Materials Chemistry A, 2015, 3, 13072-13079.	5.2	40
34	Ordered mesoporous silica films with pores oriented perpendicular to a titanium nitride substrate. Physical Chemistry Chemical Physics, 2015, 17, 4763-4770.	1.3	39
35	Effect of oxygen and nitrogen functionalization on the physical and electronic structure of graphene. Nano Research, 2015, 8, 2620-2635.	5.8	47
36	Control of chemical state of cerium in doped anatase TiO₂by solvothermal synthesis and its application in photocatalytic water reduction. Journal of Materials Chemistry A, 2015, 3, 9890-9898.	5.2	27

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37	Structural reorganization of cylindrical nanoparticles triggered by polylactide stereocomplexation. Nature Communications, 2014, 5, 5746.	5.8	125
38	Band gap expansion, shear inversion phase change behaviour and low-voltage induced crystal oscillation in low-dimensional tin selenide crystals. Dalton Transactions, 2014, 43, 7391-7399.	1.6	26
39	Investigation of some new hydro(solvo)thermal synthesis routes to nanostructured mixed-metal oxides. Journal of Solid State Chemistry, 2014, 214, 30-37.	1.4	8
40	The Electrodeposition of Silver from Supercritical Carbon Dioxide/Acetonitrile. ChemElectroChem, 2014, 1, 187-194.	1.7	19
41	Waterâ€Splitting Electrocatalysis in Acid Conditions Using Ruthenateâ€Iridate Pyrochlores. Angewandte Chemie - International Edition, 2014, 53, 10960-10964.	7.2	193
42	Raman Spectroscopy of Optical Transitions and Vibrational Energies of â¼1 nm HgTe Extreme Nanowires within Single Walled Carbon Nanotubes. ACS Nano, 2014, 8, 9044-9052.	7.3	33
43	Characterization of Structural Disorder in Î³-Ga₂O₃. Journal of Physical Chemistry C, 2014, 118, 16188-16198.	1.5	107
44	Atomically resolved imaging of highly ordered alternating fluorinated graphene. Nature Communications, 2014, 5, 4902.	5.8	42
45	Structures and Magnetism of the Rare-Earth Orthochromite Perovskite Solid Solution La_xSm_{1â€“x}CrO₃. Inorganic Chemistry, 2013, 52, 12161-12169.	1.9	50
46	Large-scale synthesis of nanocrystals in a multichannel droplet reactor. Journal of Materials Chemistry A, 2013, 1, 4067.	5.2	102
47	A new approach to high resolution, high contrast electron microscopy of macromolecular block copolymer assemblies. Soft Matter, 2013, 9, 3741.	1.2	12
48	Confined Crystals of the Smallest Phase-Change Material. Nano Letters, 2013, 13, 4020-4027.	4.5	73
49	Aberration corrected imaging of a carbon nanotube encapsulated Lindqvist Ion and correlation with Density Functional Theory. Journal of Physics: Conference Series, 2012, 371, 012018.	0.3	1
50	Bismuth Iridium Oxide Oxygen Evolution Catalyst from Hydrothermal Synthesis. Chemistry of Materials, 2012, 24, 4192-4200.	3.2	106
51	Instant MOFs: continuous synthesis of metalâ€“organic frameworks by rapid solvent mixing. Chemical Communications, 2012, 48, 10642.	2.2	103
52	High-precision imaging of an encapsulated Lindqvist ion and correlation of its structure and symmetry with quantum chemical calculations. Nanoscale, 2012, 4, 1190.	2.8	11
53	Structural variety in iridate oxides and hydroxides from hydrothermal synthesis. Chemical Science, 2011, 2, 1573.	3.7	22
54	Direct Hydrothermal Synthesis and Physical Properties of Rare-Earth and Yttrium Orthochromite Perovskites. Chemistry of Materials, 2011, 23, 48-56.	3.2	152

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55	Density Functional Calculations on the Distribution, Acidity, and Catalysis of Ti^{IV} and Ti^{III} Ions in MCMâ€22 Zeolite. Chemistry - A European Journal, 2011, 17, 1614-1621.	1.7	27
56	Oneâ€•and Twoâ€Dimensional Inorganic Crystals inside Inorganic Nanotubes. European Journal of Inorganic Chemistry, 2010, 2010, 4233-4243.	1.0	14
57	GeTe-filled Carbon Nanotubes for Data Storage Applications. Materials Research Society Symposia Proceedings, 2010, 1251, 3.	0.1	1
58	Nanocrystalline Ceriumâ^'Bismuth Oxides: Synthesis, Structural Characterization, and Redox Properties. Chemistry of Materials, 2010, 22, 6191-6201.	3.2	39
59	Imaging the Structure, Symmetry, and Surface-Inhibited Rotation of Polyoxometalate Ions on Graphene Oxide. Nano Letters, 2010, 10, 4600-4606.	4.5	51
60	Hydrothermal Synthesis of a B-Site Magnetic Ruthenate Pyrochlore. Crystal Growth and Design, 2010, 10, 3819-3823.	1.4	14
61	Coreâ€“Shell PbI₂@WS₂ Inorganic Nanotubes from Capillary Wetting. Angewandte Chemie - International Edition, 2009, 48, 1230-1233.	7.2	56
62	Graphene Oxide: Structural Analysis and Application as a Highly Transparent Support for Electron Microscopy. ACS Nano, 2009, 3, 2547-2556.	7.3	629
63	Nanoseashells and Nanooctahedra of MoS2: Routes to Inorganic Fullerenes. Chemistry of Materials, 2009, 21, 5627-5636.	3.2	29
64	Registry-Induced Electronic Superstructure in Double-Walled Carbon Nanotubes, Associated with the Interaction between Two Graphene-Like Monolayers. ACS Nano, 2008, 2, 2113-2120.	7.3	10
65	Controlled growth of true nanoscale single crystal fullerites for device applications. Journal of Materials Chemistry, 2008, 18, 3319.	6.7	14
66	Direct Imaging of the Structure, Relaxation, and Sterically Constrained Motion of Encapsulated Tungsten Polyoxometalate Lindqvist Ions within Carbon Nanotubes. ACS Nano, 2008, 2, 966-976.	7.3	50
67	Iodination of Single-Walled Carbon Nanotubes. Chemistry of Materials, 2007, 19, 1076-1081.	3.2	71
68	Staging during anion-exchange intercalation into [LiAl2(OH)6]ClÂ·yH2O: structural and mechanistic insights. Dalton Transactions, 2007, , 3499.	1.6	34
69	Observation of van der Waals Driven Self-Assembly of MoSI Nanowires into a Low-Symmetry Structure Using Aberration-Corrected Electron Microscopy. Advanced Materials, 2007, 19, 543-547.	11.1	42
70	Pressure dependence of Raman modes in DWCNT filled with PbI2 semiconductor. Physica Status Solidi (B): Basic Research, 2007, 244, 136-141.	0.7	4
71	Ultrahigh resolution imaging of local structural distortions in intergrowth tungsten bronzes. Ultramicroscopy, 2007, 107, 501-506.	0.8	8
72	Structural and optoelectronic properties of C60 rods obtained via a rapid synthesis route. Journal of Materials Chemistry, 2006, 16, 3715.	6.7	94

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73	Correlation of Structural and Electronic Properties in a New Low-Dimensional Form of Mercury Telluride. Physical Review Letters, 2006, 96, 215501.	2.9	78
74	Crystallization of 2H and 4H PbI2in Carbon Nanotubes of Varying Diameters and Morphologies. Chemistry of Materials, 2006, 18, 2059-2069.	3.2	86
75	Thermal Stability and Reactivity of Metal Halide Filled Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2006, 110, 6569-6573.	1.2	50
76	Complement activation and protein adsorption by carbon nanotubes. Molecular Immunology, 2006, 43, 193-201.	1.0	395
77	Mo6S4.5I4.5Nanowires: Structure Studies by HRTEM and Aberration Corrected STEM. Journal of Physics: Conference Series, 2006, 26, 260-263.	0.3	2
78	The transformation of open picotubes to a closed molecular configuration. Physica Status Solidi (B): Basic Research, 2006, 243, 3151-3154.	0.7	7
79	Structural correlation of band-gap modifications induced in mercury telluride by dimensional constraint in single walled carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3257-3262.	0.7	14
80	Synthesis of mesoporous alumina with highly thermal stability using glucose template in aqueous system. Microporous and Mesoporous Materials, 2006, 91, 293-295.	2.2	132
81	Structural chemistry of Ln2BaLiRuO7 (Ln=La, Pr). Solid State Sciences, 2006, 8, 280-288.	1.5	3
82	Image Restoration of One-Dimensional HgTe Crystals Formed within Single Walled Carbon Nanotubes. Materials Science Forum, 2006, 514-516, 1131-1134.	0.3	0
83	Force and energy dissipation variations in noncontact atomic force spectroscopy of composite carbon nanotube systems. Physical Review B, 2006, 74, .	1.1	8
84	Crystal-encapsulation-induced band-structure change in single-walled carbon nanotubes: Photoluminescence and Raman spectra. Physical Review B, 2006, 74, .	1.1	33
85	Encapsulation of RexOy Clusters within Single-Walled Carbon Nanotubes and Their in tubulo Reduction and Sintering to Re Metal. Chemistry of Materials, 2005, 17, 6579-6582.	3.2	65
86	LaI₂@(18,3)SWNT: The Unprecedented Structure of a LaI₂ â€œCrystal,â€• Encapsulated within a Single-Walled Carbon Nanotube. Microscopy and Microanalysis, 2005, 11, 421-430.	0.2	10
87	Imaging Lattice Defects and Distortions in Alkali-Metal Iodides Encapsulated within Double-Walled Carbon Nanotubes. Chemistry of Materials, 2005, 17, 3122-3129.	3.2	31
88	Cation and Spin Ordering in the n = 1 Ruddlesden?Popper Phase La2Sr2LiRuO8.. ChemInform, 2005, 36, no.	0.1	0
89	Structural Chemistry and Magnetic Properties of Nd2BaLiRuO7.. ChemInform, 2005, 36, no.	0.1	0
90	Structural and morphological variations of encapsulated metal oxides in single walled carbon nanotubes. Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	0

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91	Structural Chemistry and Magnetic Properties of Nd2BaLiRuO7. Chemistry of Materials, 2005, 17, 4362-4373.	3.2	7
92	Growing and characterizing one-dimensional crystals within single-walled carbon nanotubes. Journal of Electron Microscopy, 2004, 53, 101-106.	0.9	16
93	Magnetism and structural chemistry of the n=2 Ruddlesdenâ€“Popper phase La3LiMnO7. Journal of Solid State Chemistry, 2004, 177, 119-125.	1.4	19
94	Single-Walled Carbon Nanotubes Filled with MOH (M: K, Cs) and Then Washed and Refilled with Clusters and Molecules.. ChemInform, 2004, 35, no.	0.1	0
95	Carbon micro- and nanotubes synthesized by PE-CVD technique: Tube structure and catalytic particles crystallography. Carbon, 2004, 42, 149-161.	5.4	24
96	Structural studies of purified double walled carbon nanotubes (DWNTs) using phase restored high-resolution imaging. Carbon, 2004, 42, 2527-2533.	5.4	18
97	Single-walled carbon nanotubes filled with M OH (M = K, Cs) and then washed and refilled with clusters and molecules. Chemical Communications, 2004, , 1686-1687.	2.2	47
98	Cation and Spin Ordering in then= 1 Ruddlesdenâ”Popper Phase La2Sr2LiRuO8. Chemistry of Materials, 2004, 16, 4257-4266.	3.2	23
99	Imaging and Characterization of Molecules and One-Dimensional Crystals Formed within Carbon Nanotubes. MRS Bulletin, 2004, 29, 265-271.	1.7	21
100	Synthesis and Structural Characterisation of Single Wall Carbon Nanotubes Filled with Ionic and Covalent Materias. , 2004, , 77-88.		0
101	High yield incorporation and washing properties of halides incorporated into single walled carbon nanotubes. Applied Physics A: Materials Science and Processing, 2003, 76, 457-462.	1.1	61
102	Synthesis and structural characterization of Ba14Pd3Ir8O33. Journal of Solid State Chemistry, 2003, 174, 96-103.	1.4	4
103	Aspects of crystal growth within carbon nanotubes. Comptes Rendus Physique, 2003, 4, 1063-1074.	0.3	85
104	A composite method for the determination of the chirality of single walled carbon nanotubes. Journal of Microscopy, 2003, 212, 152-157.	0.8	39
105	Structural characterization of the n = 5 layered perovskite neodymium titanate using high-resolution transmission electron microscopy and image reconstruction. Acta Crystallographica Section B: Structural Science, 2003, 59, 449-455.	1.8	5
106	An encapsulated helical one-dimensional cobalt iodide nanostructure. Nature Materials, 2003, 2, 788-791.	13.3	156
107	Effect of molybdenum additives on the performance of supported nickel catalysts for methane dry reforming. Applied Catalysis A: General, 2003, 253, 225-235.	2.2	32
108	Encapsulation of quaternary 1D pentlandite-type alloy crystals within conical multi-layer carbon nanotubes. Chemical Communications, 2003, , 2276.	2.2	9

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109	Structural chemistry and magnetic properties of 6H and 15R hexagonal perovskites BaIrxFe1â^'xO3â^'Î´. Journal of Materials Chemistry, 2003, 13, 2617-2625.	6.7	13
110	TEM (XHREM) and EDX Studies of 6H-SiC Porous Layer as a Substrate for Subsequent Homoepitaxial Growth. Materials Science Forum, 2002, 389-393, 271-274.	0.3	6
111	Spin, Charge, and Orbital Ordering in the B-Site Diluted Manganates La2-xSrxGaMnO6. Chemistry of Materials, 2002, 14, 425-434.	3.2	9
112	The Formation of ReS2 Inorganic Fullerene-like Structures Containing Re4 Parallelogram Units and Metalâ^'Metal Bonds. Journal of the American Chemical Society, 2002, 124, 11580-11581.	6.6	49
113	Metastable One-Dimensional AgCl1-xIxSolid-Solution Wurzite â€œTunnelâ€•Crystals Formed within Single-Walled Carbon Nanotubes. Journal of the American Chemical Society, 2002, 124, 2116-2117.	6.6	67
114	CCVD Synthesis and Characterization of Cobalt-Encapsulated Nanoparticles. Chemistry of Materials, 2002, 14, 2553-2558.	3.2	154
115	Three-dimensional ordered silicon-based nanostructures in opal matrix: preparation and photonic properties. Journal of Non-Crystalline Solids, 2002, 299-302, 1062-1069.	1.5	29
116	Study on the Structure and Formation Mechanism of Molybdenum Carbides. Chemistry of Materials, 2002, 14, 1009-1015.	3.2	162
117	Direct imaging of o-carborane molecules within single walled carbon nanotubes. Chemical Communications, 2002, , 2442-2443.	2.2	55
118	Magnetism and Structural Chemistry of the n = 1 Ruddlesdenâ^'Popper Phases La4LiMnO8 and La3SrLiMnO8. Journal of the American Chemical Society, 2002, 124, 620-628.	6.6	38
119	Study on preparation of high surface area tungsten carbides and phase transition during the carburisation. Physical Chemistry Chemical Physics, 2002, 4, 3522-3529.	1.3	38
120	Integral atomic layer architectures of 1D crystals inserted into single walled carbon nanotubes. Chemical Communications, 2002, , 1319-1332.	2.2	208
121	Structural Characterization of Atomically Regulated Nanocrystals Formed within Single-Walled Carbon Nanotubes Using Electron Microscopy. Accounts of Chemical Research, 2002, 35, 1054-1062.	7.6	103
122	A One-Dimensional BaI2 Chain with Five- and Six-Coordination, Formed within a Single-Walled Carbon Nanotube. Angewandte Chemie - International Edition, 2002, 41, 1156-1159.	7.2	81
123	Complete characterization of an (Sb2O3)n/SWNT inclusion composite. Physics of the Solid State, 2002, 44, 463-466.	0.2	2
124	Structural changes induced in nanocrystals of binary compounds confined within single walled carbon nanotubes: a brief review. Inorganica Chimica Acta, 2002, 330, 1-12.	1.2	85
125	Bimetallic nanoparticles aligned at the tips of carbon nanotubesElectronic supplementary information available: XEDS spectrum of the sample prepared from [Ru5C(CO)14Pt(COD)]; Table listing reports on nanotubes decorated with nanoparticles from the literature; Suggested binding modes of clusters to MWNTs. See http://www.rsc.org/suppdata/cc/b1/b109923j/. Chemical Communications, 2002, , 276-277.	2.2	35
126	Direct and Indirect Electron Microscopy of Encapsulated Nanocrystals. Topics in Catalysis, 2002, 21, 139-154.	1.3	6

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127	Alloy nanowires: Invar inside carbon nanotubes. Chemical Communications, 2001, , 471-472.	2.2	84
128	Simultaneous determination of inclusion crystallography and nanotube conformation for aSb2O3/singleâ^'wallednanotube composite. Physical Review B, 2001, 64, .	1.1	48
129	Effect of carburising agent on the structure of molybdenum carbides. Journal of Materials Chemistry, 2001, 11, 3094-3098.	6.7	96
130	Electron beam induced in situ clusterisation of 1D ZrCl4 chains within single-walled carbon nanotubes. Chemical Communications, 2001, , 845-846.	2.2	61
131	Complete characterisation of a Sb2O3/(21,â^'8)SWNT inclusion composite. Chemical Communications, 2001, , 929-930.	2.2	58
132	Role of the defects under porous silicon carbide formation. Applied Surface Science, 2001, 184, 252-256.	3.1	2
133	Investigations of Nonstoichiometric Tungsten Oxide Nanoparticles. Journal of Solid State Chemistry, 2001, 162, 300-314.	1.4	169
134	Double-walled carbon nanotubes fabricated by a hydrogen arc discharge method. Carbon, 2001, 39, 761-770.	5.4	291
135	Applications of nanocomposites. Scripta Materialia, 2001, 44, 2055-2059.	2.6	24
136	Fabrication and structure of an opal-gallium nitride nanocomposite. Semiconductor Science and Technology, 2001, 16, L5-L7.	1.0	17
137	A-Site Cation-Vacancy Ordering in Sr1â^'3x/2LaxTiO3: A Study by HRTEM. Journal of Solid State Chemistry, 2000, 149, 360-369.	1.4	58
138	The structure of nanotubes fabricated by carbon evaporation at high gas pressure. Carbon, 2000, 38, 1217-1240.	5.4	47
139	Two layer 4:4 co-ordinated KI crystals grown within single walled carbon nanotubes. Chemical Physics Letters, 2000, 329, 61-65.	1.2	170
140	The size distribution, imaging and obstructing properties of C60 and higher fullerenes formed within arc-grown single walled carbon nanotubes. Chemical Physics Letters, 2000, 316, 191-198.	1.2	192
141	Three-dimensional array of silicon nanoscale elements in artificial SiO2 opal host. Journal of Non-Crystalline Solids, 2000, 266-269, 1021-1024.	1.5	16
142	Growth of WS2Nanotubes Phases. Journal of the American Chemical Society, 2000, 122, 5169-5179.	6.6	237
143	Discrete Atom Imaging of One-Dimensional Crystals Formed Within Single-Walled Carbon Nanotubes. Science, 2000, 289, 1324-1326.	6.0	407
144	1D lanthanide halide crystals inserted into single-walled carbon nanotubes. Chemical Communications, 2000, , 2427-2428.	2.2	73

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145	Effect of the Addition of Antifoulant Agents on the Deactivation of NiMoP/Al2O3 Catalysts for Hydrotreating of Residuum. Industrial & Engineering Chemistry Research, 2000, 39, 3679-3687.	1.8	9
146	Structural studies of multiwall carbon nanotubes by neutron diffraction. Physical Review B, 1999, 59, 1665-1668.	1.1	68
147	Inorganic fullerene-like material as additives to lubricants: structureâ€“function relationship. Wear, 1999, 225-229, 975-982.	1.5	239
148	Defect and Ordered Tungsten Oxides Encapsulated Inside 2Hâ€“WX2(X=S and Se) Fullerene-Related Structures. Journal of Solid State Chemistry, 1999, 144, 100-117.	1.4	42
149	Capillarity and silver nanowire formation observed in single walled carbon nanotubes. Chemical Communications, 1999, , 699-700.	2.2	263
150	Sodium Hydride as a Powerful Reducing Agent for Topotactic Oxide Deintercalation:Â Synthesis and Characterization of the Nickel(I) Oxide LaNiO2. Journal of the American Chemical Society, 1999, 121, 8843-8854.	6.6	329
151	Epitaxial growth of WO3â^'x needles on (10 1Ì„0) and (01 1Ì„0) WC surfaces produced by controlled oxidation with CO2. Chemical Communications, 1999, , 269-270.	2.2	17
152	Encapsulation of WC within 2H-WS2 inorganic fullerene-like cages. Chemical Communications, 1999, , 363-364.	2.2	27
153	Neutron Diffraction Study of the Structures of Ba5CuIr3O12 and Ba16Cu3Ir10O39. Chemistry of Materials, 1999, 11, 1551-1558.	3.2	17
154	Structural Chemistry and Electronic Properties of the n = 3 Ruddlesdenâ^'Popper Phases Ca4Mn2FeO9.75 and Sr4Mn2FeO9.80. Chemistry of Materials, 1999, 11, 674-683.	3.2	29
155	‹title›Structural studies of carbon nanotubes by wide-angle neutron scattering‹/title›. , 1999, , .		2
156	Carbon nanotubes from polyethylene precursors: Structure and structural changes caused by thermal and chemical treatment revealed by HREM. Carbon, 1998, 36, 1149-1157.	5.4	118
157	The immobilisation of proteins in carbon nanotubes. Inorganica Chimica Acta, 1998, 272, 261-266.	1.2	270
158	New Catalysts for the Conversion of Methane to Synthesis Gas: Molybdenum and Tungsten Carbide. Journal of Catalysis, 1998, 180, 85-100.	3.1	346
159	Cage structures and nanotubes of NiCl2. Nature, 1998, 395, 336-337.	13.7	307
160	Commensurate and Incommensurate Phases in the SystemA4Aâ€²2Ir2O9(A=Sr, Ba;Aâ€²=Cu, Zn). Journal of Solid State Chemistry, 1998, 136, 103-114.	1.4	42
161	A HRTEM Study of the Ruddlesdenâ€“Popper Compositions Sr2LnMn2O7(Ln=Y, La, Nd, Eu, Ho). Journal of Solid State Chemistry, 1998, 138, 135-140.	1.4	46
162	Selective Deposition of UCl4and (KCl)x(UCl4)yinside Carbon Nanotubes Using Eutectic and Noneutectic Mixtures of UCl4with KCl. Journal of Solid State Chemistry, 1998, 140, 83-90.	1.4	37

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