Jeremy Sloan

List of Publications by Year
in descending order

175	10,996	28272	32838
papers	citations	55 h-index	100 g-index

197	197	197	12117
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Graphene Oxide: Structural Analysis and Application as a Highly Transparent Support for Electron Microscopy. ACS Nano, 2009, 3, 2547-2556.	14.6	629
2	Discrete Atom Imaging of One-Dimensional Crystals Formed Within Single-Walled Carbon Nanotubes. Science, 2000, 289, 1324-1326.	12.6	407
3	Complement activation and protein adsorption by carbon nanotubes. Molecular Immunology, 2006, 43, 193-201.	2.2	395
4	New Catalysts for the Conversion of Methane to Synthesis Gas: Molybdenum and Tungsten Carbide. Journal of Catalysis, 1998, 180, 85-100.	6.2	346
5	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.	13.7	329
6	Cage structures and nanotubes of NiCl2. Nature, 1998, 395, 336-337.	27.8	307
7	Double-walled carbon nanotubes fabricated by a hydrogen arc discharge method. Carbon, 2001, 39, 761-770.	10.3	291
8	The immobilisation of proteins in carbon nanotubes. Inorganica Chimica Acta, 1998, 272, 261-266.	2.4	270
9	Capillarity and silver nanowire formation observed in single walled carbon nanotubes. Chemical Communications, 1999, , 699-700.	4.1	263
10	Inorganic fullerene-like material as additives to lubricants: structureâ€“function relationship. Wear, 1999, 225-229, 975-982.	3.1	239
11	Growth of WS2Nanotubes Phases. Journal of the American Chemical Society, 2000, 122, 5169-5179.	13.7	237
12	Integral atomic layer architectures of 1D crystals inserted into single walled carbon nanotubes. Chemical Communications, 2002, , 1319-1332.	4.1	208
13	Waterâ€Splitting Electrocatalysis in Acid Conditions Using Ruthenateâ€Iridate Pyrochlores. Angewandte Chemie - International Edition, 2014, 53, 10960-10964.	13.8	193
14	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.	2.6	192
15	The opening and filling of single walled carbon nanotubes (SWTs). Chemical Communications, 1998, , 347-348.	4.1	191
16	Two layer 4:4 co-ordinated KI crystals grown within single walled carbon nanotubes. Chemical Physics Letters, 2000, 329, 61-65.	2.6	170
17	Investigations of Nonstoichiometric Tungsten Oxide Nanoparticles. Journal of Solid State Chemistry, 2001, 162, 300-314.	2.9	169
18	Study on the Structure and Formation Mechanism of Molybdenum Carbides. Chemistry of Materials, 2002, 14, 1009-1015.	6.7	162

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19	An encapsulated helical one-dimensional cobalt iodide nanostructure. Nature Materials, 2003, 2, 788-791.	27.5	156
20	CCVD Synthesis and Characterization of Cobalt-Encapsulated Nanoparticles. Chemistry of Materials, 2002, 14, 2553-2558.	6.7	154
21	Direct Hydrothermal Synthesis and Physical Properties of Rare-Earth and Yttrium Orthochromite Perovskites. Chemistry of Materials, 2011, 23, 48-56.	6.7	152
22	Synthesis of mesoporous alumina with highly thermal stability using glucose template in aqueous system. Microporous and Mesoporous Materials, 2006, 91, 293-295.	4.4	132
23	Structural reorganization of cylindrical nanoparticles triggered by polylactide stereocomplexation. Nature Communications, 2014, 5, 5746.	12.8	125
24	Carbon nanotubes from polyethylene precursors: Structure and structural changes caused by thermal and chemical treatment revealed by HREM. Carbon, 1998, 36, 1149-1157.	10.3	118
25	Filling of Carbon Nanotubes with Silver, Gold, and Gold Chloride. Chemistry of Materials, 1996, 8, 2751-2754.	6.7	114
26	Characterization of Structural Disorder in Î³-Ga₂O₃. Journal of Physical Chemistry C, 2014, 118, 16188-16198.	3.1	107
27	Bismuth Iridium Oxide Oxygen Evolution Catalyst from Hydrothermal Synthesis. Chemistry of Materials, 2012, 24, 4192-4200.	6.7	106
28	Structural Characterization of Atomically Regulated Nanocrystals Formed within Single-Walled Carbon Nanotubes Using Electron Microscopy. Accounts of Chemical Research, 2002, 35, 1054-1062.	15.6	103
29	Instant MOFs: continuous synthesis of metalâ€“organic frameworks by rapid solvent mixing. Chemical Communications, 2012, 48, 10642.	4.1	103
30	Large-scale synthesis of nanocrystals in a multichannel droplet reactor. Journal of Materials Chemistry A, 2013, 1, 4067.	10.3	102
31	Synthesis of carbon nanotubes containing metal oxides and metals of the d-block and f-block transition metals and related studies. Journal of Materials Chemistry, 1997, 7, 545-549.	6.7	99
32	Effect of carburising agent on the structure of molybdenum carbides. Journal of Materials Chemistry, 2001, 11, 3094-3098.	6.7	96
33	Structural and optoelectronic properties of C60 rods obtained via a rapid synthesis route. Journal of Materials Chemistry, 2006, 16, 3715.	6.7	94
34	Crystallization of 2H and 4H PbI2in Carbon Nanotubes of Varying Diameters and Morphologies. Chemistry of Materials, 2006, 18, 2059-2069.	6.7	86
35	Structural changes induced in nanocrystals of binary compounds confined within single walled carbon nanotubes: a brief review. Inorganica Chimica Acta, 2002, 330, 1-12.	2.4	85
36	Aspects of crystal growth within carbon nanotubes. Comptes Rendus Physique, 2003, 4, 1063-1074.	0.9	85

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37	Alloy nanowires: Invar inside carbon nanotubes. Chemical Communications, 2001, , 471-472.	4.1	84
38	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.	13.8	81
39	2D boron nitride nanosheets (BNNS) prepared by high-pressure homogenisation: structure and morphology. Nanoscale, 2018, 10, 19469-19477.	5.6	80
40	Correlation of Structural and Electronic Properties in a New Low-Dimensional Form of Mercury Telluride. Physical Review Letters, 2006, 96, 215501.	7.8	78
41	1D lanthanide halide crystals inserted into single-walled carbon nanotubes. Chemical Communications, 2000, , 2427-2428.	4.1	73
42	Confined Crystals of the Smallest Phase-Change Material. Nano Letters, 2013, 13, 4020-4027.	9.1	73
43	Iodination of Single-Walled Carbon Nanotubes. Chemistry of Materials, 2007, 19, 1076-1081.	6.7	71
44	Crystallisation inside fullerene related structures. Journal of Materials Chemistry, 1997, 7, 1089-1095.	6.7	70
45	Single-Atom Scale Structural Selectivity in Te Nanowires Encapsulated Inside Ultranarrow, Single-Walled Carbon Nanotubes. ACS Nano, 2017, 11, 6178-6185.	14.6	69
46	Structural studies of multiwall carbon nanotubes by neutron diffraction. Physical Review B, 1999, 59, 1665-1668.	3.2	68
47	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.	13.7	68
48	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.	13.7	67
49	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.	6.7	65
50	Atomic Defects and Doping of Monolayer NbSe₂. ACS Nano, 2017, 11, 2894-2904.	14.6	63
51	Electron beam induced in situ clusterisation of 1D ZrCl4 chains within single-walled carbon nanotubes. Chemical Communications, 2001, , 845-846.	4.1	61
52	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.	2.3	61
53	A-Site Cation-Vacancy Ordering in Sr1â^'3x/2LaxTiO3: A Study by HRTEM. Journal of Solid State Chemistry, 2000, 149, 360-369.	2.9	58
54	Complete characterisation of a Sb2O3/(21,â^'8)SWNT inclusion composite. Chemical Communications, 2001, , 929-930.	4.1	58

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55	Coreâ€“Shell PbI₂@WS₂ Inorganic Nanotubes from Capillary Wetting. Angewandte Chemie - International Edition, 2009, 48, 1230-1233.	13.8	56
56	Direct imaging of o-carborane molecules within single walled carbon nanotubes. Chemical Communications, 2002, , 2442-2443.	4.1	55
57	Imaging the Structure, Symmetry, and Surface-Inhibited Rotation of Polyoxometalate Ions on Graphene Oxide. Nano Letters, 2010, 10, 4600-4606.	9.1	51
58	Thermal Stability and Reactivity of Metal Halide Filled Single-Walled Carbon Nanotubes. Journal of Physical Chemistry B, 2006, 110, 6569-6573.	2.6	50
59	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.	14.6	50
60	Structures and Magnetism of the Rare-Earth Orthochromite Perovskite Solid Solution La_xSm_{1â€“x}CrO₃. Inorganic Chemistry, 2013, 52, 12161-12169.	4.0	50
61	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.	3.1	50
62	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.	13.7	49
63	Synthesis and characterization of inorganic fullerene-like WSe₂material. Fullerenes, Nanotubes, and Carbon Nanostructures, 1998, 6, 157-165.	0.6	48
64	Simultaneous determination of inclusion crystallography and nanotube conformation for aSb2O3/singleâ^'wallednanotube composite. Physical Review B, 2001, 64, .	3.2	48
65	The structure of nanotubes fabricated by carbon evaporation at high gas pressure. Carbon, 2000, 38, 1217-1240.	10.3	47
66	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.	4.1	47
67	Effect of oxygen and nitrogen functionalization on the physical and electronic structure of graphene. Nano Research, 2015, 8, 2620-2635.	10.4	47
68	A HRTEM Study of the Ruddlesdenâ€“Popper Compositions Sr2LnMn2O7(Ln=Y, La, Nd, Eu, Ho). Journal of Solid State Chemistry, 1998, 138, 135-140.	2.9	46
69	Prediction and Verification of the Structural Chemistry of New One-Dimensional Barium/Copper/Iridium Oxides. Chemistry of Materials, 1998, 10, 3536-3547.	6.7	44
70	Scalable Patterning of Encapsulated Black Phosphorus. Nano Letters, 2018, 18, 5373-5381.	9.1	43
71	Commensurate and Incommensurate Phases in the SystemA4Aâ€²2Ir2O9(A=Sr, Ba;Aâ€²=Cu, Zn). Journal of Solid State Chemistry, 1998, 136, 103-114.	2.9	42
72	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.	2.9	42

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73	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.	21.0	42
74	Atomically resolved imaging of highly ordered alternating fluorinated graphene. Nature Communications, 2014, 5, 4902.	12.8	42
75	Electronic Structure Control of Sub-nanometer 1D SnTe via Nanostructuring within Single-Walled Carbon Nanotubes. ACS Nano, 2018, 12, 6023-6031.	14.6	42
76	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.	10.3	40
77	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.	9.1	40
78	A composite method for the determination of the chirality of single walled carbon nanotubes. Journal of Microscopy, 2003, 212, 152-157.	1.8	39
79	Nanocrystalline Ceriumâ^'Bismuth Oxides: Synthesis, Structural Characterization, and Redox Properties. Chemistry of Materials, 2010, 22, 6191-6201.	6.7	39
80	Ordered mesoporous silica films with pores oriented perpendicular to a titanium nitride substrate. Physical Chemistry Chemical Physics, 2015, 17, 4763-4770.	2.8	39
81	Magnetism and Structural Chemistry of the n = 1 Ruddlesdenâ^'Popper Phases La4LiMnO8 and La3SrLiMnO8. Journal of the American Chemical Society, 2002, 124, 620-628.	13.7	38
82	Study on preparation of high surface area tungsten carbides and phase transition during the carburisation. Physical Chemistry Chemical Physics, 2002, 4, 3522-3529.	2.8	38
83	Giant Negative Terahertz Photoconductivity in Controllably Doped Carbon Nanotube Networks. ACS Photonics, 2019, 6, 1058-1066.	6.6	38
84	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.	2.9	37
85	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.	4.1	35
86	The encapsulation and in situ rearrangement of polycrystalline SnO inside carbon nanotubes. Journal of Crystal Growth, 1997, 173, 81-87.	1.5	34
87	Staging during anion-exchange intercalation into [LiAl2(OH)6]ClÂ·yH2O: structural and mechanistic insights. Dalton Transactions, 2007, , 3499.	3.3	34
88	Unprecedented New Crystalline Forms of SnSe in Narrow to Medium Diameter Carbon Nanotubes. Nano Letters, 2019, 19, 2979-2984.	9.1	34
89	Crystal-encapsulation-induced band-structure change in single-walled carbon nanotubes: Photoluminescence and Raman spectra. Physical Review B, 2006, 74, .	3.2	33
90	Raman Spectroscopy of Optical Transitions and Vibrational Energies of â^¼1 nm HgTe Extreme Nanowires within Single Walled Carbon Nanotubes. ACS Nano, 2014, 8, 9044-9052.	14.6	33

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91	Effect of molybdenum additives on the performance of supported nickel catalysts for methane dry reforming. Applied Catalysis A: General, 2003, 253, 225-235.	4.3	32
92	Imaging Lattice Defects and Distortions in Alkali-Metal Iodides Encapsulated within Double-Walled Carbon Nanotubes. Chemistry of Materials, 2005, 17, 3122-3129.	6.7	31
93	15R SrMn1-xFexO3-Î´(xâ‰ˆ 0.1); A New Perovskite Stacking Sequence. Inorganic Chemistry, 1998, 37, 6071-6077.	4.0	29
94	Structural Chemistry and Electronic Properties of the n = 3 Ruddlesdenâ€“Popper Phases Ca4Mn2FeO9.75 and Sr4Mn2FeO9.80. Chemistry of Materials, 1999, 11, 674-683.	6.7	29
95	Three-dimensional ordered silicon-based nanostructures in opal matrix: preparation and photonic properties. Journal of Non-Crystalline Solids, 2002, 299-302, 1062-1069.	3.1	29
96	Nanoseashells and Nanooctahedra of MoS2: Routes to Inorganic Fullerenes. Chemistry of Materials, 2009, 21, 5627-5636.	6.7	29
97	Encapsulation of WC within 2H-WS2 inorganic fullerene-like cages. Chemical Communications, 1999, , 363-364.	4.1	27
98	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.	3.3	27
99	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.	10.3	27
100	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.	3.3	26
101	Characterisation of graphite nanoplatelets (GNP) prepared at scale by high-pressure homogenisation. Journal of Materials Chemistry C, 2019, 7, 6383-6390.	5.5	26
102	Active site isolation in bismuth-poisoned Pd/SiO2 catalysts for selective hydrogenation of furfural. Applied Catalysis A: General, 2019, 570, 183-191.	4.3	25
103	Applications of nanocomposites. Scripta Materialia, 2001, 44, 2055-2059.	5.2	24
104	Carbon micro- and nanotubes synthesized by PE-CVD technique: Tube structure and catalytic particles crystallography. Carbon, 2004, 42, 149-161.	10.3	24
105	Size-Dependent Structure Relations between Nanotubes and Encapsulated Nanocrystals. Nano Letters, 2017, 17, 805-810.	9.1	24
106	Cation and Spin Ordering in then= 1 Ruddlesdenâ€“Popper Phase La2Sr2LiRuO8. Chemistry of Materials, 2004, 16, 4257-4266.	6.7	23
107	Structural variety in iridate oxides and hydroxides from hydrothermal synthesis. Chemical Science, 2011, 2, 1573.	7.4	22
108	Ultrafast, high modulation depth terahertz modulators based on carbon nanotube thin films. Carbon, 2021, 173, 245-252.	10.3	22

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109	Imaging and Characterization of Molecules and One-Dimensional Crystals Formed within Carbon Nanotubes. MRS Bulletin, 2004, 29, 265-271.	3.5	21
110	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
111	Linear and Helical Cesium Iodide Atomic Chains in Ultranarrow Single-Walled Carbon Nanotubes: Impact on Optical Properties. ACS Nano, 2021, 15, 13389-13398.	14.6	20
112	Opening and Filling Carbon Nanotubes. Fullerenes, Nanotubes, and Carbon Nanostructures, 1997, 5, 695-704.	0.6	19
113	Magnetism and structural chemistry of the n=2 Ruddlesdenâ€“Popper phase La3LiMnO7. Journal of Solid State Chemistry, 2004, 177, 119-125.	2.9	19
114	The Electrodeposition of Silver from Supercritical Carbon Dioxide/Acetonitrile. ChemElectroChem, 2014, 1, 187-194.	3.4	19
115	Benzene hydrogenation over transition metal carbides. Studies in Surface Science and Catalysis, 1997, , 485-490.	1.5	18
116	Structural studies of purified double walled carbon nanotubes (DWNTs) using phase restored high-resolution imaging. Carbon, 2004, 42, 2527-2533.	10.3	18
117	Covalently Binding Atomically Designed Au₉ Clusters to Chemically Modified Graphene. Angewandte Chemie - International Edition, 2015, 54, 9560-9563.	13.8	18
118	Encapsulated nanowires: Boosting electronic transport in carbon nanotubes. Physical Review B, 2017, 95, .	3.2	18
119	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.	4.1	17
120	Neutron Diffraction Study of the Structures of Ba5CuIr3O12 and Ba16Cu3Ir10O39. Chemistry of Materials, 1999, 11, 1551-1558.	6.7	17
121	Fabrication and structure of an opal-gallium nitride nanocomposite. Semiconductor Science and Technology, 2001, 16, L5-L7.	2.0	17
122	Three-dimensional array of silicon nanoscale elements in artificial SiO2 opal host. Journal of Non-Crystalline Solids, 2000, 266-269, 1021-1024.	3.1	16
123	Growing and characterizing one-dimensional crystals within single-walled carbon nanotubes. Journal of Electron Microscopy, 2004, 53, 101-106.	0.9	16
124	A new insight on the mechanisms of filling closed carbon nanotubes with molten metal iodides. Carbon, 2016, 110, 48-50.	10.3	16
125	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.	1.5	14
126	Controlled growth of true nanoscale single crystal fullerites for device applications. Journal of Materials Chemistry, 2008, 18, 3319.	6.7	14

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127	Oneâ€•and Twoâ€Dimensional Inorganic Crystals inside Inorganic Nanotubes. European Journal of Inorganic Chemistry, 2010, 2010, 4233-4243.	2.0	14
128	Hydrothermal Synthesis of a B-Site Magnetic Ruthenate Pyrochlore. Crystal Growth and Design, 2010, 10, 3819-3823.	3.0	14
129	Local Aâ€Site Layering in Rareâ€Earth Orthochromite Perovskites by Solution Synthesis. Chemistry - A European Journal, 2016, 22, 18362-18367.	3.3	14
130	Purification of rhodium-filled carbon nanotubes using reversed micelles. Chemical Communications, 1996, , 2673.	4.1	13
131	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
132	A new approach to high resolution, high contrast electron microscopy of macromolecular block copolymer assemblies. Soft Matter, 2013, 9, 3741.	2.7	12
133	High-precision imaging of an encapsulated Lindqvist ion and correlation of its structure and symmetry with quantum chemical calculations. Nanoscale, 2012, 4, 1190.	5.6	11
134	Surface modification and porosimetry of vertically aligned hexagonal mesoporous silica films. RSC Advances, 2016, 6, 113432-113441.	3.6	11
135	Electrodeposition of tin nanowires from a dichloromethane based electrolyte. RSC Advances, 2018, 8, 24013-24020.	3.6	11
136	Vaporization behavior of V3P(s). Journal of the Less Common Metals, 1990, 160, 343-349.	0.8	10
137	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.	0.4	10
138	Registry-Induced Electronic Superstructure in Double-Walled Carbon Nanotubes, Associated with the Interaction between Two Graphene-Like Monolayers. ACS Nano, 2008, 2, 2113-2120.	14.6	10
139	Ba4Ru3O10.2(OH)1.8: a new member of the layered hexagonal perovskite family crystallised from water. Chemical Communications, 2016, 52, 6375-6378.	4.1	10
140	Phase diagram of germanium telluride encapsulated in carbon nanotubes from first-principles searches. Physical Review Materials, 2017, 1, .	2.4	10
141	Zigzag HgTe Nanowires Modify the Electronâ€“Phonon Interaction in Chirality-Refined Single-Walled Carbon Nanotubes. ACS Nano, 2022, 16, 6789-6800.	14.6	10
142	Phase Formation in the Nd2Ti2O7â€“SrTiO3System at 1350Â°C in the Presence of V2O5, CuV2O6, or SrCuO2. Journal of Solid State Chemistry, 1996, 121, 324-331.	2.9	9
143	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.	3.7	9
144	Spin, Charge, and Orbital Ordering in the B-Site Diluted Manganates La2-xSrxGaMnO6. Chemistry of Materials, 2002, 14, 425-434.	6.7	9

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145	Encapsulation of quaternary 1D pentlandite-type alloy crystals within conical multi-layer carbon nanotubes. Chemical Communications, 2003, , 2276.	4.1	9
146	Vibrational and electronic structures of tin selenide nanowires confined inside carbon nanotubes. Synthetic Metals, 2022, 284, 116968.	3.9	9
147	Force and energy dissipation variations in noncontact atomic force spectroscopy of composite carbon nanotube systems. Physical Review B, 2006, 74, .	3.2	8
148	Ultrahigh resolution imaging of local structural distortions in intergrowth tungsten bronzes. Ultramicroscopy, 2007, 107, 501-506.	1.9	8
149	Investigation of some new hydro(solvo)thermal synthesis routes to nanostructured mixed-metal oxides. Journal of Solid State Chemistry, 2014, 214, 30-37.	2.9	8
150	Supercritical fluid electrodeposition, structural and electrical characterisation of tellurium nanowires. RSC Advances, 2017, 7, 40720-40726.	3.6	8
151	Structural Chemistry and Magnetic Properties of Nd2BaLiRuO7. Chemistry of Materials, 2005, 17, 4362-4373.	6.7	7
152	The transformation of open picotubes to a closed molecular configuration. Physica Status Solidi (B): Basic Research, 2006, 243, 3151-3154.	1.5	7
153	Selective Imaging of Discrete Polyoxometalate Ions on Graphene Oxide under Variable Voltage Conditions. ACS Nano, 2016, 10, 796-802.	14.6	7
154	The Unexpected Complexity of Filling Double-Wall Carbon Nanotubes With Nickel (and Iodine) 1-D Nanocrystals. IEEE Nanotechnology Magazine, 2017, 16, 759-766.	2.0	7
155	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
156	Direct and Indirect Electron Microscopy of Encapsulated Nanocrystals. Topics in Catalysis, 2002, 21, 139-154.	2.8	6
157	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
158	Synthesis and structural characterization of Ba14Pd3Ir8O33. Journal of Solid State Chemistry, 2003, 174, 96-103.	2.9	4
159	Pressure dependence of Raman modes in DWCNT filled with PbI2 semiconductor. Physica Status Solidi (B): Basic Research, 2007, 244, 136-141.	1.5	4
160	Coherence lifetime broadened optical transitions in a 2 atom diameter HgTe nanowire: a temperature dependent resonance Raman study. RSC Advances, 2016, 6, 95387-95395.	3.6	4
161	Structural chemistry of Ln2BaLiRuO7 (Ln=La, Pr). Solid State Sciences, 2006, 8, 280-288.	3.2	3
162	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, .	3.2	3

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163	<title>Structural studies of carbon nanotubes by wide-angle neutron scattering</title>. , 1999, , .		2
164	Role of the defects under porous silicon carbide formation. Applied Surface Science, 2001, 184, 252-256.	6.1	2
165	Complete characterization of an (Sb2O3)n/SWNT inclusion composite. Physics of the Solid State, 2002, 44, 463-466.	0.6	2
166	Mo6S4.5I4.5Nanowires: Structure Studies by HRTEM and Aberration Corrected STEM. Journal of Physics: Conference Series, 2006, 26, 260-263.	0.4	2
167	GeTe-filled Carbon Nanotubes for Data Storage Applications. Materials Research Society Symposia Proceedings, 2010, 1251, 3.	0.1	1
168	Aberration corrected imaging of a carbon nanotube encapsulated Lindqvist Ion and correlation with Density Functional Theory. Journal of Physics: Conference Series, 2012, 371, 012018.	0.4	1
169	Resonance Raman Spectroscopy of Extreme Nanowires and Other 1D Systems. Journal of Visualized Experiments, 2016, , .	0.3	1
170	Single-Walled Carbon Nanotubes Filled with MOH (M: K, Cs) and Then Washed and Refilled with Clusters and Molecules.. ChemInform, 2004, 35, no.	0.0	0
171	Cation and Spin Ordering in the n = 1 Ruddlesden?Popper Phase La2Sr2LiRuO8.. ChemInform, 2005, 36, no.	0.0	0
172	Structural Chemistry and Magnetic Properties of Nd2BaLiRuO7.. ChemInform, 2005, 36, no.	0.0	0
173	Structural and morphological variations of encapsulated metal oxides in single walled carbon nanotubes. Materials Research Society Symposia Proceedings, 2005, 901, 1.	0.1	0
174	Image Restoration of One-Dimensional HgTe Crystals Formed within Single Walled Carbon Nanotubes. Materials Science Forum, 2006, 514-516, 1131-1134.	0.3	0
175	Synthesis and Structural Characterisation of Single Wall Carbon Nanotubes Filled with Ionic and Covalent Materias. , 2004, , 77-88.		0