Reshef Tenne

List of Publications by Year
in descending order

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410	25,380	9786	9103
papers	citations	73 h-index	144 g-index

429	429	429	16364
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polyhedral and cylindrical structures of tungsten disulphide. Nature, 1992, 360, 444-446.	27.8	1,901
2	High-Rate, Gas-Phase Growth of MoS2 Nested Inorganic Fullerenes and Nanotubes. Science, 1995, 267, 222-225.	12.6	1,190
3	Stress-induced fragmentation of multiwall carbon nanotubes in a polymer matrix. Applied Physics Letters, 1998, 72, 188-190.	3.3	841
4	Hollow nanoparticles of WS2 as potential solid-state lubricants. Nature, 1997, 387, 791-793.	27.8	805
5	Nested fullerene-like structures. Nature, 1993, 365, 113-114.	27.8	673
6	Polymer-assisted fabrication of nanoparticles and nanocomposites. Progress in Polymer Science, 2008, 33, 40-112.	24.7	486
7	Raman and resonance Raman investigation ofMoS2nanoparticles. Physical Review B, 1999, 60, 2883-2892.	3.2	475
8	Inorganic nanotubes and fullerene-like nanoparticles. Nature Nanotechnology, 2006, 1, 103-111.	31.5	437
9	New Route for Stabilization of 1T-WS₂ and MoS₂ Phases. Journal of Physical Chemistry C, 2011, 115, 24586-24591.	3.1	430
10	Bulk Synthesis of Inorganic Fullerene-like MS2(M = Mo, W) from the Respective Trioxides and the Reaction Mechanism. Journal of the American Chemical Society, 1996, 118, 5362-5367.	13.7	362
11	Applications of WS2(MoS2) inorganic nanotubes and fullerene-like nanoparticles for solid lubrication and for structural nanocomposites. Journal of Materials Chemistry, 2005, 15, 1782.	6.7	315
12	Cage structures and nanotubes of NiCl2. Nature, 1998, 395, 336-337.	27.8	307
13	Tribological properties of WS2 nanoparticles under mixed lubrication. Wear, 2003, 255, 785-793.	3.1	291
14	Nanoparticles of Layered Compounds with Hollow Cage Structures (Inorganic Fullerene-Like) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 222	6.7	280
15	Advances in the Synthesis of Inorganic Nanotubes and Fullerene-Like Nanoparticles. Angewandte Chemie - International Edition, 2003, 42, 5124-5132.	13.8	272
16	Optical-absorption spectra of inorganic fullerenelikeMS2(M=Mo,W). Physical Review B, 1998, 57, 6666-6671.	3.2	270
17	Mechanisms of ultra-low friction by hollow inorganic fullerene-like MoS2 nanoparticles. Surface and Coatings Technology, 2002, 160, 282-287.	4.8	265
18	On the mechanical behavior of WS2 nanotubes under axial tension and compression. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 523-528.	7.1	263

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19	Inorganic fullerene-like material as additives to lubricants: structureâ€“function relationship. Wear, 1999, 225-229, 975-982.	3.1	239
20	Growth of WS2Nanotubes Phases. Journal of the American Chemical Society, 2000, 122, 5169-5179.	13.7	237
21	Fullerene-like WS2 Nanoparticles: Superior Lubricants for Harsh Conditions. Advanced Materials, 2003, 15, 651-655.	21.0	210
22	Passivation of recombination centers innâ€WSe2yields high efficiency (>14%) photoelectrochemical cell. Applied Physics Letters, 1985, 47, 707-709.	3.3	203
23	Enhanced intrinsic photovoltaic effect in tungsten disulfide nanotubes. Nature, 2019, 570, 349-353.	27.8	197
24	Recent progress in the research of inorganic fullerene-like nanoparticles and inorganic nanotubes. Chemical Society Reviews, 2010, 39, 1423-1434.	38.1	185
25	Biocompatible Inorganic Fullerene-Like Molybdenum Disulfide Nanoparticles Produced by Pulsed Laser Ablation in Water. ACS Nano, 2011, 5, 1276-1281.	14.6	184
26	Alkali Metal Intercalated Fullerene-Like MS2 (M = W, Mo) Nanoparticles and Their Properties. Journal of the American Chemical Society, 2002, 124, 4747-4758.	13.7	183
27	Inorganic nanotubes. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 2099-2125.	3.4	181
28	Growth Mechanism of MoS2 Fullerene-like Nanoparticles by Gas-Phase Synthesis. Journal of the American Chemical Society, 2000, 122, 11108-11116.	13.7	176
29	Investigations of Nonstoichiometric Tungsten Oxide Nanoparticles. Journal of Solid State Chemistry, 2001, 162, 300-314.	2.9	169
30	Doped and heteroatom-containing fullerene-like structures and nanotubes. Advanced Materials, 1995, 7, 965-995.	21.0	166
31	Fullerene-like MoS2 Nanoparticles and Their Tribological Behavior. Tribology Letters, 2009, 36, 175-182.	2.6	163
32	Nested Polyhedra of MX2 (M = W, Mo; X = S, Se) Probed by High-Resolution Electron Microscopy and Scanning Tunneling Microscopy. Journal of the American Chemical Society, 1994, 116, 1914-1917.	13.7	159
33	Friction mechanism of individual multilayered nanoparticles. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19901-19906.	7.1	158
34	Inorganic Nanotubes and Fullerene-Like Materials. Chemistry - A European Journal, 2002, 8, 5296-5304.	3.3	154
35	Optical Properties of MS₂ (M = Mo, W) Inorganic Fullerenelike and Nanotube Material Optical Absorption and Resonance Raman Measurements. Journal of Materials Research, 1998, 13, 2412-2417.	2.6	151
36	The Effect of WS2Nanoparticles on Friction Reduction in Various Lubrication Regimes. Tribology Letters, 2004, 17, 179-186.	2.6	150

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37	Stability of Metal Chalcogenide Nanotubes. Journal of Physical Chemistry B, 2002, 106, 2497-2501.	2.6	148
38	Superconductivity in a chiral nanotube. Nature Communications, 2017, 8, 14465.	12.8	143
39	Synthesis of SnS2/SnS Fullerene-like Nanoparticles:Â A Superlattice with Polyhedral Shape. Journal of the American Chemical Society, 2003, 125, 10470-10474.	13.7	141
40	A light-variation insensitive high efficiency solar cell. Nature, 1987, 326, 863-864.	27.8	138
41	Field-Effect Transistors Based on WS₂ Nanotubes with High Current-Carrying Capacity. Nano Letters, 2013, 13, 3736-3741.	9.1	131
42	INSIGHT INTO THE GROWTH MECHANISM OF WS₂ NANOTUBES IN THE SCALED-UP FLUIDIZED-BED REACTOR. Nano, 2009, 04, 91-98.	1.0	128
43	Morphology of Nested Fullerenes. Physical Review Letters, 1995, 74, 1779-1782.	7.8	123
44	Shock-Wave Resistance of WS2Nanotubes. Journal of the American Chemical Society, 2003, 125, 1329-1333.	13.7	123
45	WS2 nanotubes as tips in scanning probe microscopy. Applied Physics Letters, 1999, 75, 4025-4027.	3.3	119
46	Mechanical behavior of individual WS2 nanotubes. Journal of Materials Research, 2004, 19, 454-459.	2.6	117
47	New reactor for production of tungsten disulfide hollow onion-like (inorganic fullerene-like) nanoparticles. Solid State Sciences, 2000, 2, 663-672.	3.2	115
48	High-performance photodetectors for visible and near-infrared lights based on individual WS2 nanotubes. Applied Physics Letters, 2012, 100, .	3.3	111
49	Self-lubricating coatings containing fullerene-like WS2 nanoparticles for orthodontic wires and other possible medical applications. Tribology Letters, 2006, 21, 135-139.	2.6	105
50	Shock-Absorbing and Failure Mechanisms of WS2and MoS2Nanoparticles with Fullerene-like Structures under Shock Wave Pressure. Journal of the American Chemical Society, 2005, 127, 16263-16272.	13.7	104
51	Synthesis of fullerene-like MoS2 nanoparticles and their tribological behavior. Journal of Materials Chemistry, 2009, 19, 4368.	6.7	103
52	WS2 nanoflakes from nanotubes for electrocatalysis. Nano Research, 2013, 6, 921-928.	10.4	103
53	Intercalation of Inorganic Fullerene-like Structures Yields Photosensitive Films and New Tips for Scanning Probe Microscopy. Journal of the American Chemical Society, 1997, 119, 2693-2698.	13.7	102
54	Inorganic Nanotubes and Fullerene-Like Materials. Microscopy and Microanalysis, 2004, 10, 20-21.	0.4	100

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55	Improved orthodontic stainless steel wires coated with inorganic fullerene-like nanoparticles of WS2 impregnated in electroless nickelâ€“phosphorous film. Dental Materials, 2008, 24, 1640-1646.	3.5	98
56	Recent Progress in the Study of Inorganic Nanotubes and Fullerene-Like Structures. Annual Review of Materials Research, 2009, 39, 387-413.	9.3	98
57	Stochastic strength of nanotubes: An appraisal of available data. Composites Science and Technology, 2005, 65, 2380-2384.	7.8	97
58	Synthesis of Copious Amounts of SnS₂ and SnS₂/SnS Nanotubes with Ordered Superstructures. Angewandte Chemie - International Edition, 2011, 50, 12316-12320.	13.8	94
59	Superior tribological properties of powder materials with solid lubricant nanoparticles. Wear, 2003, 255, 794-800.	3.1	93
60	Improved efficiency of CdSe photoanodes by photoelectrochemical etching. Applied Physics Letters, 1980, 37, 428-430.	3.3	91
61	Efficient reduction of nitrite and nitrate to ammonia using thin-film B-doped diamond electrodes. Journal of Electroanalytical Chemistry, 1995, 396, 233-239.	3.8	91
62	Tribological studies of rhenium doped fullerene-like MoS2 nanoparticles in boundary, mixed and elasto-hydrodynamic lubrication conditions. Wear, 2013, 297, 1103-1110.	3.1	89
63	Behavior of fullerene-like WS2 nanoparticles under severe contact conditions. Wear, 2005, 259, 703-707.	3.1	88
64	Strain-induced phonon shifts in tungsten disulfide nanoplatelets and nanotubes. 2D Materials, 2017, 4, 015007.	4.4	85
65	Polymer Nanocomposites with Fullerene-like Solid Lubricant. Advanced Engineering Materials, 2004, 6, 44-48.	3.5	84
66	Structure and Stability of Molybdenum Sulfide Fullerenes. Angewandte Chemie - International Edition, 2007, 46, 623-627.	13.8	84
67	Microtribology and Direct Force Measurement of WS2 Nested Fullerene-Like Nanostructures. Advanced Materials, 1999, 11, 934-937.	21.0	83
68	Surface Functionalization of WS₂ Fullerene-like Nanoparticles. Langmuir, 2010, 26, 4409-4414.	3.5	81
69	Observation of a Bursteinâ€“Moss Shift in Rhenium-Doped MoS₂ Nanoparticles. ACS Nano, 2013, 7, 3506-3511.	14.6	81
70	Highly oriented WSe2 thin films prepared by selenization of evaporated WO3. Thin Solid Films, 1994, 245, 180-185.	1.8	78
71	WS2 and MoS2 Inorganic Fullerenesâ€”Super Shock Absorbers at Very High Pressures. Advanced Materials, 2005, 17, 1500-1503.	21.0	78
72	Fullerene-like materials and nanotubes from inorganic compounds with a layered (2-D) structure. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 208, 83-92.	4.7	77

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73	Atom by atom: HRTEM insights into inorganic nanotubes and fullerene-like structures. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15643-15648.	7.1	77
74	Kinetics of Nested Inorganic Fullerene-like Nanoparticle Formation. Journal of the American Chemical Society, 1998, 120, 4176-4183.	13.7	73
75	Nanotubes from Inorganic Materials. , 2001, , 81-112.		73
76	Controlled Doping of MS₂ (M=W, Mo) Nanotubes and Fullereneâ€like Nanoparticles. Angewandte Chemie - International Edition, 2012, 51, 1148-1151.	13.8	73
77	Synthesis of NbS2 nanoparticles with (nested) fullerene-like structure (IF). Journal of Materials Chemistry, 2002, 12, 1587-1591.	6.7	72
78	Nanowire Acting as a Superconducting Quantum Interference Device. Physical Review Letters, 2005, 95, 116805.	7.8	72
79	Vaporâ€“Liquidâ€“Solid (VLS) Growth of NiCl2 Nanotubes via Reactive Gas Laser Ablation. Advanced Materials, 2002, 14, 1075.	21.0	70
80	Inorganic nanotubes and fullerene-like nanoparticles. Journal of Materials Research, 2006, 21, 2726-2743.	2.6	69
81	Torsional Stick-Slip Behavior in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>WS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>Nanotubes. Physical Review Letters, 2008, 101, 195501.	7.8	68
82	Study of the growth mechanism of WS2 nanotubes produced by a fluidized bed reactor. Journal of Materials Chemistry, 2004, 14, 617.	6.7	67
83	Beneficial effect of Re doping on the electrochemical HER activity of MoS₂ fullerenes. Dalton Transactions, 2015, 44, 16399-16404.	3.3	66
84	Highly Textured Films of Layered Metal Disulfide 2Hâ€•â€‰WSâ€‰2 : Preparation and Optoelectronic Properties. Journal of the Electrochemical Society, 1997, 144, 1013-1019.	2.9	65
85	WS2 Nanotube Bundles and Foils. Chemistry of Materials, 2002, 14, 471-473.	6.7	65
86	Wear and Friction of Ni-P Electroless Composite Coating Including Inorganic Fullerene-WS2 Nanoparticles. Advanced Engineering Materials, 2002, 4, 686-690.	3.5	65
87	High efficiencynâ€Cd(Se,Te)/S=photoelectrochemical cell resulting from solution chemistry control. Applied Physics Letters, 1985, 46, 608-610.	3.3	64
88	Microtribology and Friction-Induced Material Transfer in WS2 Nanoparticle Additives. Advanced Functional Materials, 2001, 11, 348-354.	14.9	64
89	Toughening of Epoxy Adhesives by Nanoparticles. Journal of Adhesion Science and Technology, 2009, 23, 753-768.	2.6	64
90	Friction of fullerene-like WS2 nanoparticles: effect of agglomeration. Tribology Letters, 2006, 24, 225-228.	2.6	63

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91	Fabrication of self-lubricating cobalt coatings on metal surfaces. Nanotechnology, 2007, 18, 115703.	2.6	63
92	Scaling Up of the WS₂Nanotubes Synthesis. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 19, 18-26.	2.1	63
93	Dependence of the Absorption and Optical Surface Plasmon Scattering of MoS₂ Nanoparticles on Aspect Ratio, Size, and Media. ACS Nano, 2014, 8, 3575-3583.	14.6	63
94	The tribological behavior of type II textured MX2 (M=Mo, W; X=S, Se) films. Thin Solid Films, 1998, 324, 190-197.	1.8	62
95	Synthesis of WS2 and MoS2 fullerene-like nanoparticles from solid precursors. Nano Research, 2009, 2, 416-424.	10.4	62
96	MoS₂ Hybrid Nanostructures: From Octahedral to Quasiâ€Spherical Shells within Individual Nanoparticles. Angewandte Chemie - International Edition, 2011, 50, 1810-1814.	13.8	62
97	Morphology of Multiwall WS2 Nanotubes. Journal of Physical Chemistry B, 2000, 104, 8976-8981.	2.6	61
98	Scanning tunneling microscopy study of WS2 nanotubes. Physical Chemistry Chemical Physics, 2002, 4, 2095-2098.	2.8	61
99	Structure and Stability of Molybdenum Sulfide Fullerenesâ€. Journal of Physical Chemistry B, 2006, 110, 25399-25410.	2.6	61
100	Toward Atomic-Scale Bright-Field Electron Tomography for the Study of Fullerene-Like Nanostructures. Nano Letters, 2008, 8, 891-896.	9.1	61
101	The Effect of Tungsten Sulfide Fullerene-Like Nanoparticles on the Toughness of Epoxy Adhesives. Journal of Adhesion Science and Technology, 2010, 24, 1083-1095.	2.6	61
102	High Lubricity of Re-Doped Fullerene-Like MoS2 Nanoparticles. Tribology Letters, 2012, 45, 257-264.	2.6	61
103	WSe2: Optical and electrical properties as related to surface passivation of recombination centers. Physical Review B, 1989, 40, 2992-3000.	3.2	60
104	Friction and wear of bronze powder composites including fullerene-like WS2 nanoparticles. Wear, 2001, 249, 149-156.	3.1	58
105	Near-Field Electron Energy Loss Spectroscopy of Nanoparticles. Physical Review Letters, 1998, 80, 782-785.	7.8	57
106	Slow Release of Fullerene-like WS2 Nanoparticles from Feâ^'Ni Graphite Matrix:â€‰ A Self-Lubricating Nanocomposite. Nano Letters, 2001, 1, 137-140.	9.1	57
107	A simple hydrothermal method for the growth of Bi2Se3nanorods. Nanotechnology, 2006, 17, 1700-1705.	2.6	57
108	Characterization of Geoinspired and Synthetic Chrysotile Nanotubes by Atomic Force Microscopy and Transmission Electron Microscopy. Advanced Functional Materials, 2007, 17, 3332-3338.	14.9	57

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109	The Effect of WS2 Nanotubes on the Properties of Epoxy-Based Nanocomposites. Journal of Adhesion Science and Technology, 2011, 25, 1603-1617.	2.6	57
110	Decoration of WS₂ Nanotubes and Fullerene-Like MoS₂ with Gold Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 2161-2169.	3.1	57
111	Coreâ€“Shell PbI₂@WS₂ Inorganic Nanotubes from Capillary Wetting. Angewandte Chemie - International Edition, 2009, 48, 1230-1233.	13.8	56
112	Preparation and microstructure WS2 thin films. Thin Solid Films, 1992, 217, 91-97.	1.8	55
113	Friction and wear of powdered composites impregnated with WS2 inorganic fullerene-like nanoparticles. Wear, 2002, 252, 518-527.	3.1	55
114	In situ TEM measurements of the mechanical properties and behavior of WS2 nanotubes. Nano Research, 2008, 1, 22.	10.4	55
115	Inorganic fullerene-like tungsten disulfide nanocoating for friction reduction of nickelâ€“titanium alloys. Nanomedicine, 2009, 4, 943-950.	3.3	55
116	Biocompatibility of Tungsten Disulfide Inorganic Nanotubes and Fullerene-Like Nanoparticles with Salivary Gland Cells. Tissue Engineering - Part A, 2015, 21, 1013-1023.	3.1	55
117	An overview of the recent advances in inorganic nanotubes. Nanoscale, 2019, 11, 8073-8090.	5.6	55
118	Preparation and Characterization of CdS Films Synthesized in Situ in Zirconia Solâ^'Gel Matrix. Chemistry of Materials, 1997, 9, 2541-2543.	6.7	54
119	Characterization of Oxides of Cesium. Journal of Physical Chemistry B, 2004, 108, 12360-12367.	2.6	54
120	Synthesis of Coreâ€“Shell Inorganic Nanotubes. Advanced Functional Materials, 2010, 20, 2459-2468.	14.9	54
121	Photoelectrochemical etching of silicon. Electrochimica Acta, 1992, 37, 877-888.	5.2	53
122	Mechanical Properties of WS2 Nanotubes. Journal of Cluster Science, 2007, 18, 549-563.	3.3	53
123	Inorganic Nanotubes and Fullerene-like Nanoparticles at the Crossroads between Solid-State Chemistry and Nanotechnology. Journal of the American Chemical Society, 2017, 139, 12865-12878.	13.7	52
124	Orientation dependence of the polarizability of an individualWS2nanotube by resonant Raman spectroscopy. Physical Review B, 2005, 72, .	3.2	51
125	Scaled particle theory for nonadditive hard spheres: Solutions for general positive nonadditivity. Physical Review A, 1978, 17, 2036-2045.	2.5	50
126	Ternary Chalcogenideâ€Based Photoelectrochemical Cells: II . The Polysulfide System. Journal of the Electrochemical Society, 1982, 129, 1506-1512.	2.9	50

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127	Slow Release of Fullerene-Like WS2 Nanoparticles as a Superior Solid Lubrication Mechanism in Composite Matrices. Advanced Engineering Materials, 2001, 3, 71-75.	3.5	50
128	Chemical Unzipping of WS₂ Nanotubes. ACS Nano, 2013, 7, 7311-7317.	14.6	50
129	Fullerene-Like (IF) Nb_xMo₁₋_xS₂ Nanoparticles. Journal of the American Chemical Society, 2007, 129, 12549-12562.	13.7	49
130	TEM study of chirality in MoS₂ nanotubes. Journal of Microscopy, 1996, 181, 68-71.	1.8	48
131	Synthesis and characterization of inorganic fullerene-like WSe₂material. Fullerenes, Nanotubes, and Carbon Nanostructures, 1998, 6, 157-165.	0.6	48
132	Synthesis of NiCl2 nanotubes and fullerene-like structures by laser ablation: theoretical considerations and comparison with MoS2 nanotubes. Physical Chemistry Chemical Physics, 2003, 5, 1644-1651.	2.8	48
133	Synthesis of Fullerene-Like Tantalum Disulfide Nanoparticles by a Gas-Phase Reaction and Laser Ablation. Small, 2005, 1, 1100-1109.	10.0	48
134	Medical applications of inorganic fullerene-like nanoparticles. Journal of Materials Chemistry, 2011, 21, 15121.	6.7	48
135	Inorganic Nanotubes and Fullerene-Like Structures (IF). Topics in Applied Physics, 2007, , 631-671.	0.8	47
136	Bulk vs Nanoscale WS₂:â€‰ Finite Size Effects and Solid-State Lubrication. Nano Letters, 2007, 7, 2365-2369.	9.1	47
137	Nanotubes from Misfit Layered Compounds: A New Family of Materials with Low Dimensionality. Journal of Physical Chemistry Letters, 2014, 5, 3724-3736.	4.6	47
138	Scanning Tunneling Microscope Induced Crystallization of Fullerene-like MoS2. Journal of the American Chemical Society, 1996, 118, 7804-7808.	13.7	46
139	Synthesis of bulk WS2 nanotube phases. Materials Research Innovations, 1999, 3, 145-149.	2.3	46
140	Nanocompression of individual multilayered polyhedral nanoparticles. Nanotechnology, 2010, 21, 365705.	2.6	45
141	Hollow V₂O₅ Nanoparticles (Fullerene-Like Analogues) Prepared by Laser Ablation. Journal of the American Chemical Society, 2010, 132, 11214-11222.	13.7	45
142	Enhanced Field Emission of WS₂ Nanotubes. Small, 2014, 10, 2398-2403.	10.0	45
143	Nanoparticles Produced by Laser Ablation of HfS3in Liquid Medium:Â Inorganic Fullerene-Like Structures of Hf2S. Chemistry of Materials, 2004, 16, 2238-2243.	6.7	44
144	Strong lightâ€“matter interaction in tungsten disulfide nanotubes. Physical Chemistry Chemical Physics, 2018, 20, 20812-20820.	2.8	44

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145	Photoelectrochemistry of the CuInS2/Sn2â^' system. Solar Energy Materials and Solar Cells, 1981, 4, 169-177.	0.4	43
146	Use of functionalized WS2 nanotubes to produce new polystyrene/polymethylmethacrylate nanocomposites. Polymer, 2003, 44, 2109-2115.	3.8	43
147	Au-MoS₂ Hybrids as Hydrogen Evolution Electrocatalysts. ACS Applied Energy Materials, 2019, 2, 6043-6050.	5.1	43
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.	2.9	42
149	Modification of contact surfaces by fullerene-like solid lubricant nanoparticles. Surface and Coatings Technology, 2003, 163-164, 405-412.	4.8	42
150	Sedimentation of IF-WS2 aggregates and a reproducibility of the tribological data. Tribology International, 2007, 40, 117-124.	5.9	42
151	Electrical transport properties of individual WS2 nanotubes and their dependence on water and oxygen absorption. Applied Physics Letters, 2012, 101, .	3.3	42
152	Effect of substrate on growth of WS2 thin films. Thin Solid Films, 1992, 219, 30-36.	1.8	41
153	The microstructure of titanium-modified silica glass waveguides prepared by the sol-gel method. Chemical Physics Letters, 1994, 227, 235-242.	2.6	41
154	CdI2 nanoparticles with closed-cage (fullerene-like) structures. Journal of Materials Chemistry, 2003, 13, 1631.	6.7	41
155	Optoelectronic response of a WS ₂ tubular p - n junction. 2D Materials, 2018, 5, 035002.	4.4	41
156	Efficiency and Stability Enhancement of nâ€Si Photoelectrodes in Aqueous Solution. Journal of the Electrochemical Society, 1991, 138, L69-L71.	2.9	40
157	Spectroscopic Determination of Phonon Lifetimes in Rhenium-Doped MoS₂ Nanoparticles. Nano Letters, 2013, 13, 2803-2808.	9.1	40
158	Revealing the Anomalous Tensile Properties of WS₂ Nanotubes by in Situ Transmission Electron Microscopy. Nano Letters, 2013, 13, 1034-1040.	9.1	40
159	Nanotubes from Chalcogenide Misfit Compounds: Snâ€“S and Nbâ€“Pbâ€“S. Accounts of Chemical Research, 2014, 47, 406-416.	15.6	40
160	Recent advances in the research of inorganic nanotubes and fullerene-like nanoparticles. Frontiers of Physics, 2014, 9, 370-377.	5.0	40
161	Underpotential Deposition of Cu on Boron-Doped Diamond Thin Films. Journal of Physical Chemistry B, 1998, 102, 134-140.	2.6	39
162	How stable are inorganic fullerene-like particles? Thermal analysis (STA) of inorganic fullerene-like NbS2, MoS2, and WS2in oxidizing and inert atmospheres in comparison with the bulk material. Physical Chemistry Chemical Physics, 2004, 6, 3991-4002.	2.8	38

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163	Electrolyte Electroreflectance of Singleâ€Crystal CdIn2Se4 in a Photoelectrochemical Solar Cell. Journal of the Electrochemical Society, 1984, 131, 736-740.	2.9	37
164	Load bearing capacity of bronze, iron and ironâ€“nickel powder composites containing fullerene-like WS2 nanoparticles. Tribology International, 2002, 35, 47-53.	5.9	37
165	Inorganic fullerene-like nanoparticles of TiS2. Chemical Physics Letters, 2005, 411, 162-166.	2.6	37
166	Friction and wear of fullerene-like WS2 under severe contact conditions: friction of ceramic materials. Tribology Letters, 2005, 19, 143-149.	2.6	37
167	High Pressure Vibrational Properties of WS₂ Nanotubes. Nano Letters, 2016, 16, 993-999.	9.1	37
168	Photoelectrochemical etching of ZnSe and nonuniform charge flow in Schottky barriers. Physical Review B, 1984, 29, 5799-5804.	3.2	36
169	Zinc segregation in CdZnTe grown under Cd/Zn partial pressure control. Journal of Crystal Growth, 1992, 117, 276-280.	1.5	36
170	The effect of photoelectrochemical etching on the performance of CdTe polysulfide photoelectrochemical cells. Applied Physics Letters, 1981, 39, 283-285.	3.3	35
171	Improved performance of InSeâ€based photoelectrochemical cells by means of a selective (photo)electrochemical etching. Journal of Applied Physics, 1985, 57, 141-145.	2.5	35
172	ZnO Nanowire and $hbox{WS}_{2}$ Nanotube Electronics. IEEE Transactions on Electron Devices, 2008, 55, 2988-3000.	3.0	35
173	Singular MoS₂, SiO₂and Si nanostructuresâ€”synthesis by solar ablation. Journal of Materials Chemistry, 2008, 18, 458-462.	6.7	35
174	Tribological performance of the epoxy-based composite reinforced by WS₂ fullerene-like nanoparticles and nanotubes. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2298-2306.	1.8	35
175	MoS₂ and WS₂ Nanotubes: Synthesis, Structural Elucidation, and Optical Characterization. Journal of Physical Chemistry C, 2021, 125, 6324-6340.	3.1	35
176	Transport properties of fullerene-like WS2 nanoparticles. Physica Status Solidi (B): Basic Research, 2006, 243, 1229-1240.	1.5	34
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