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List of Publications by Year
in descending order

410 papers	25,380 citations	9786 73 h-index	9103 144 g-index
429 all docs	429 docs citations	429 times ranked	16364 citing authors

#	Article	IF	Citations
1	Nanotubes from the Misfit Layered Compound (SmS)_{1.19}TaS₂: Atomic Structure, Charge Transfer, and Electrical Properties. Chemistry of Materials, 2022, 34, 1838-1853.	6.7	5
2	Influence of Surface Relief on Orientation of Nematic Liquid Crystals: Polyimide Doped with WS2 Nanotubes. Crystals, 2022, 12, 391.	2.2	4
3	Size and Shapeâ€™s Effects on the High-Pressure Behavior of WS2 Nanomaterials. Materials, 2022, 15, 2838.	2.9	5
4	WS₂ Nanotubes as a 1D Functional Filler for Melt Mixing with Poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (aci	5.0	4
5	Initiative on #4openScienceStandsForUkraine scientists and students. 4open, 2022, 5, E2.	0.4	1
6	Nanotubes from Ternary WS_{2(1â€“<i>x</i>)}Se_{2<i>x</i>} Alloys: Stoichiometry Modulated Tunable Optical Properties. Journal of the American Chemical Society, 2022, 144, 10530-10542.	13.7	15
7	WS2 nanotubes dressed in gold and silver: Synthesis, optoelectronic properties, and NO2 sensing. AIP Conference Proceedings, 2021, , .	0.4	0
8	Synthesis and characterization of WS2/SiO2 microfibers. Journal of Materials Science, 2021, 56, 10834-10846.	3.7	3
9	MoS₂ and WS₂ Nanotubes: Synthesis, Structural Elucidation, and Optical Characterization. Journal of Physical Chemistry C, 2021, 125, 6324-6340.	3.1	35
10	Vibrational Properties and Charge Transfer in the Misfit-Layer Compound LaSâ€“CrS₂. Journal of Physical Chemistry C, 2021, 125, 8006-8013.	3.1	3
11	Why do nanocrystals of 2D materials form nanotubes and why is that important?. Nano Today, 2021, 37, 101060.	11.9	8
12	Probing the Chiral Domains and Excitonic States in Individual WS₂ Tubes by Second-Harmonic Generation. Nano Letters, 2021, 21, 4937-4943.	9.1	12
13	Asymmetric misfit nanotubes: Chemical affinity outwits the entropy at high-temperature solid-state reactions. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	9
14	Poly(L-lactic acid) Reinforced with Hydroxyapatite and Tungsten Disulfide Nanotubes. Polymers, 2021, 13, 3851.	4.5	4
15	Sizeâ€Dependent Control of Excitonâ€“Polariton Interactions in WS₂ Nanotubes. Small, 2020, 16, e1904390.	10.0	26
16	Chemical control of the surface of WS2 nanoparticles. Chemical Physics Letters, 2020, 761, 138052.	2.6	5
17	Nanotubes from layered transition metal dichalcogenides. Physics Today, 2020, 73, 42-48.	0.3	14
18	Strong, tough and bio-degradable polymer-based 3D-ink for fused filament fabrication (FFF) using WS2 nanotubes. Scientific Reports, 2020, 10, 8892.	3.3	16

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19	Quaternary Misfit Compoundsâ€"A Concise Review. Crystals, 2020, 10, 468.	2.2	4
20	Silica aerogels as hosting matrices for WS2 nanotubes and their optical characterization. Journal of Materials Science, 2020, 55, 7612-7623.	3.7	8
21	Nanotubes from Two-Dimensional Materials in Contemporary Energy Research: Historical and Perspective Outlook. ACS Energy Letters, 2020, 5, 1498-1511.	17.4	10
22	Nanotubes: Sizeâ€Dependent Control of Excitonâ€"Polariton Interactions in WS₂ Nanotubes (Small 4/2020). Small, 2020, 16, 2070022.	10.0	0
23	Quaternary LnxLa(1-x)S-TaS2 nanotubes (Ln=Pr, Sm, Ho, and Yb) as a vehicle for improving the yield of misfit nanotubes. Applied Materials Today, 2020, 19, 100581.	4.3	4
24	YS-TaS2 and YxLa1â€"xS-TaS2 (0 â‰ x â‰ 1) Nanotubes: A Family of Misfit Layered Compounds. ACS Nano, 2020, 14, 5445-5458.	14.6	10
25	Magnetic Field-Induced Through-Plane Alignment of the Proton Highway in a Proton Exchange Membrane. ACS Applied Energy Materials, 2020, 3, 4619-4628.	5.1	24
26	Temporal Characteristics of Liquid Crystal Cell with WS2 Nanoparticles: Mesophase Sensitization and Relief Features. Zhidkie Kristally I Ikh Prakticheskoe Ispol'zovanie, 2020, 20, 34-40.	0.1	8
27	Correlations Between Spectral, Time and Orientation Parameters of Liquid Crystal Cells with WS2 Nanoparticles. Zhidkie Kristally I Ikh Prakticheskoe Ispol'zovanie, 2020, 20, 41-48.	0.1	6
28	Au-MoS₂ Hybrids as Hydrogen Evolution Electrocatalysts. ACS Applied Energy Materials, 2019, 2, 6043-6050.	5.1	43
29	Impact resistant hybrid composites reinforced with inorganic nanoparticles and nanotubes of WS2. Composites Part B: Engineering, 2019, 176, 107222.	12.0	23
30	Enhanced intrinsic photovoltaic effect in tungsten disulfide nanotubes. Nature, 2019, 570, 349-353.	27.8	197
31	Synthesis and characterization of quaternary La(Sr)Sâ€"TaS₂ misfit-layered nanotubes. Beilstein Journal of Nanotechnology, 2019, 10, 1112-1124.	2.8	5
32	Nanocomposite of Poly(l-Lactic Acid) with Inorganic Nanotubes of WS2. Lubricants, 2019, 7, 28.	2.9	13
33	Nanoparticle coating of orthodontic appliances for friction reduction. , 2019, , 309-331.		2
34	An overview of the recent advances in inorganic nanotubes. Nanoscale, 2019, 11, 8073-8090.	5.6	55
35	Ultrafast nonequilibrium dynamics of strongly coupled resonances in the intrinsic cavity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">W</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> nanotubes. Physical Review Research, 2019, 1, .	3.6	11
36	Decoration of Inorganic Nanostructures by Metallic Nanoparticles to Induce Fluorescence, Enhance Solubility, and Tune Band Gap. Journal of Physical Chemistry C, 2018, 122, 6748-6759.	3.1	9

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37	Tubular Hybrids: A Nanoparticleâ€”Molecular Network. Langmuir, 2018, 34, 2464-2470.	3.5	5
38	Quaternary Chalcogenide-Based Misfit Nanotubes LnS(Se)-TaS(Se)₂ (Ln = La, Ce, Nd, and) Tj ETQq0 0 0 rgBT /Overlock 10	4.0	15
39	How effectively do carbon nanotube inclusions contribute to the electromagnetic performance of a composite material? Estimation criteria from microwave and terahertz measurements. Carbon, 2018, 129, 688-694.	10.3	18
40	Concentrated Sunlight for Materials Synthesis and Diagnostics. Advanced Materials, 2018, 30, e1800444.	21.0	12
41	Improved Performance p-type Polymer (P3HT) / n-type Nanotubes (WS2) Electrolyte Gated Thin-Film Transistor. MRS Advances, 2018, 3, 1525-1533.	0.9	3
42	Nanocomposites based on tubular and onion nanostructures of molybdenum and tungsten disulfides: inorganic design, functional properties and applications. Russian Chemical Reviews, 2018, 87, 251-271.	6.5	15
43	Optoelectronic response of a WS ₂ tubular <i>p</i> - <i>n</i> junction. 2D Materials, 2018, 5, 035002.	4.4	41
44	Doping of Fullereneâ€Like MoS 2 Nanoparticles with Minute Amounts of Niobium. Particle and Particle Systems Characterization, 2018, 35, 1700165.	2.3	3
45	Nanotubes from the Misfit Compound Alloy LaS-Nb_{<i>x</i>}Ta_(1â€“<i>x</i>)S₂. Chemistry of Materials, 2018, 30, 8829-8842.	6.7	11
46	Diameter-Dependent Superconductivity in Individual WS2 Nanotubes. Nano Letters, 2018, 18, 6789-6794.	9.1	25
47	Deposition of metal coatings containing fullerene-like MoS2 nanoparticles with reduced friction and wear. Surface and Coatings Technology, 2018, 353, 116-125.	4.8	16
48	Strong lightâ€“matter interaction in tungsten disulfide nanotubes. Physical Chemistry Chemical Physics, 2018, 20, 20812-20820.	2.8	44
49	Metallic Nanocrystal Ripening on Inorganic Surfaces. ACS Omega, 2018, 3, 6533-6539.	3.5	3
50	Electrophoretic Deposition of Hydroxyapatite Film Containing Re-Doped MoS2 Nanoparticles. International Journal of Molecular Sciences, 2018, 19, 657.	4.1	13
51	Nanotubes from misfit layered compounds. Journal of Coordination Chemistry, 2018, 71, 1669-1678.	2.2	4
52	Synthesis and Characterization of Nanotubes from Misfit (LnS)_{1+<i>y</i>}TaS₂ (Ln=Pr, Sm, Gd, Yb) Compounds. Chemistry - A European Journal, 2018, 24, 11354-11363.	3.3	10
53	Important insights into polyurethane nanocomposite-adhesives; a comparative study between INT-WS 2 and CNT. European Polymer Journal, 2017, 89, 281-300.	5.4	25
54	Synthesis and Characterization of Pb@GaS Coreâ€“Shell Fullerene-Like Nanoparticles and Nanotubes. Nano, 2017, 12, 1750030.	1.0	4

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55	Superconductivity in a chiral nanotube. Nature Communications, 2017, 8, 14465.	12.8	143
56	Synthesis of magnetic FeWO4 nanoparticles and their decoration of WS2 nanotubes surface. Journal of Materials Science, 2017, 52, 6376-6387.	3.7	3
57	Synthesis of coreâ€“shell single-layer MoS₂sheathing gold nanoparticles, AuNP@1L-MoS₂. Nanotechnology, 2017, 28, 24LT03.	2.6	24
58	Short Pulse Laser Synthesis of Transition-Metal Dichalcogenide Nanostructures under Ambient Conditions. ACS Omega, 2017, 2, 2649-2656.	3.5	11
59	Structure and Stability of GaS Fullerenes and Nanotubes. Israel Journal of Chemistry, 2017, 57, 529-539.	2.3	6
60	Torsional Resonators Based on Inorganic Nanotubes. Nano Letters, 2017, 17, 28-35.	9.1	28
61	Strain-induced phonon shifts in tungsten disulfide nanoplatelets and nanotubes. 2D Materials, 2017, 4, 015007.	4.4	85
62	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
63	Comparative study on the properties of poly(trimethylene terephthalate) -based nanocomposites containing multi-walled carbon (MWCNT) and tungsten disulfide (INT-WS₂) nanotubes. Polymers for Advanced Technologies, 2017, 28, 645-657.	3.2	11
64	(Invited) Investigation of Single WS2Nanotubes Leads to New Observations and Potential Applications. ECS Transactions, 2017, 80, 25-28.	0.5	0
65	Dielectric and Electrical Properties of WS₂ Nanotubes/Epoxy Composites and Their Use for Stress Monitoring of Structures. Journal of Nanomaterials, 2017, 2017, 1-13.	2.7	12
66	(Invited) Investigation of Single WS2 Nanotubes Leads to New Observations and Potential Applications. ECS Meeting Abstracts, 2017, , .	0.0	0
67	Strontium Cobalt Oxide Misfit Nanotubes. Chemistry of Materials, 2016, 28, 9150-9157.	6.7	9
68	Nanotubes from Oxide-Based Misfit Family: The Case of Calcium Cobalt Oxide. ACS Nano, 2016, 10, 6248-6256.	14.6	23
69	Effects of pâ€•and nâ€ťype Doping in Inorganic Fullerene MoS₂ on the Hydrogen Evolution Reaction. ChemElectroChem, 2016, 3, 1937-1943.	3.4	24
70	Diameter-dependent wetting of tungsten disulfide nanotubes. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13624-13629.	7.1	14
71	Raman spectroscopy of intercalated and misfit layer nanotubes. Physical Review B, 2016, 94, .	3.2	9
72	Effects of tungsten disulphide nanotubes and glutaric acid on the thermal and mechanical properties of polyvinyl alcohol. Composites Science and Technology, 2016, 127, 47-53.	7.8	34

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73	Tubular structures from the LnSâ€“TaS₂ (Ln = La, Ce, Nd, Ho, Er) and LaSeâ€“TaSe₂ misfit layered compounds. Journal of Materials Chemistry C, 2016, 4, 89-98.	5.5	22
74	High Pressure Vibrational Properties of WS₂ Nanotubes. Nano Letters, 2016, 16, 993-999.	9.1	37
75	Atomic Structural Studies on Thin Single-Crystalline Misfit-Layered Nanotubes of TbS-CrS₂. Journal of Physical Chemistry C, 2016, 120, 15600-15607.	3.1	20
76	Advanced AZ31 Mg alloy composites reinforced by WS2 nanotubes. Journal of Alloys and Compounds, 2016, 654, 15-22.	5.5	19
77	On the Mechanical Properties of WS2 and MoS2 Nanotubes and Fullerene-Like Nanoparticles: In Situ Electron Microscopy Measurements. Jom, 2016, 68, 151-167.	1.9	34
78	Re-doped fullerene-like MoS₂ nanoparticles in relationship with soft lubrication. Nanomaterials and Energy, 2015, 4, 30-38.	0.2	11
79	Direct Synthesis of Palladium Catalyst on Supporting WS₂ Nanotubes and its Reactivity in Crossâ€Coupling Reactions. Chemistry - an Asian Journal, 2015, 10, 2234-2239.	3.3	11
80	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
81	Fullereneâ€like Reâ€Doped MoS₂ Nanoparticles as an Intercalation Host with Fast Kinetics for Sodium Ion Batteries. Israel Journal of Chemistry, 2015, 55, 599-603.	2.3	27
82	Solar Synthesis of PbSâ€“SnS₂ Superstructure Nanoparticles. ACS Nano, 2015, 9, 7831-7839.	14.6	18
83	Reinforcing silica aerogels with tungsten disulfide nanotubes. Journal of Supercritical Fluids, 2015, 106, 9-15.	3.2	13
84	Nanotube Electromechanics beyond Carbon: The Case of WS₂. ACS Nano, 2015, 9, 12224-12232.	14.6	29
85	Beneficial effect of Re doping on the electrochemical HER activity of MoS₂ fullerenes. Dalton Transactions, 2015, 44, 16399-16404.	3.3	66
86	Carbon and Tungsten Disulfide Nanotubes and Fullerene-like Nanostructures in Thermoset Adhesives: A Critical Review. Reviews of Adhesion and Adhesives, 2015, 3, 311-363.	3.4	9
87	Single- to Triple-Wall WS2 Nanotubes Obtained by High-Power Plasma Ablation of WS2 Multiwall Nanotubes. Inorganics, 2014, 2, 177-190.	2.7	27
88	The Role of Lead (Pb) in the High Temperature Formation of MoS2 Nanotubes. Inorganics, 2014, 2, 363-376.	2.7	7
89	Inorganic Fullerene-Like Nanoparticles and Inorganic Nanotubes. Inorganics, 2014, 2, 649-651.	2.7	5
90	Twoâ€step Synthesis of MoS₂ Nanotubes using Shock Waves with Lead as Growth Promoter. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1152-1158.	1.2	14

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91	Lanthanideâ€Based Functional Misfitâ€Layered Nanotubes. Angewandte Chemie - International Edition, 2014, 53, 6920-6924.	13.8	23
92	Nanotubes from Chalcogenide Misfit Compounds: Snâ€“S and Nbâ€“Pbâ€“S. Accounts of Chemical Research, 2014, 47, 406-416.	15.6	40
93	Recent advances in the research of inorganic nanotubes and fullerene-like nanoparticles. Frontiers of Physics, 2014, 9, 370-377.	5.0	40
94	Enhanced Field Emission of WS₂ Nanotubes. Small, 2014, 10, 2398-2403.	10.0	45
95	Theoretical aspects of WS₂ nanotube chemical unzipping. Nanoscale, 2014, 6, 8400-8404.	5.6	5
96	Decoration of WS₂ Nanotubes and Fullerene-Like MoS₂ with Gold Nanoparticles. Journal of Physical Chemistry C, 2014, 118, 2161-2169.	3.1	57
97	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
98	The effect of tungsten disulphide nanoparticles on the properties of polyurethane adhesives. Journal of Adhesion Science and Technology, 2014, 28, 38-52.	2.6	15
99	The effect of tungsten disulfide nanotubes on the properties of silicone adhesives. International Journal of Adhesion and Adhesives, 2014, 55, 77-81.	2.9	6
100	Nanotubes from the Misfit Layered Compounds MSâ€“TaS2, Where M = Pb, Sn, Sb, or Bi: Synthesis and Study of Their Structure. Chemistry of Materials, 2014, 26, 3757-3770.	6.7	26
101	Lubricating Medical Devices with Fullerene-Like Nanoparticles. Tribology Letters, 2014, 55, 103-109.	2.6	19
102	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
103	Attenuation of encrustation by self-assembled inorganic fullerene-like nanoparticles. Nanoscale, 2014, 6, 5251.	5.6	16
104	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
105	Chemical Unzipping of WS₂ Nanotubes. ACS Nano, 2013, 7, 7311-7317.	14.6	50
106	Study of urological devices coated with fullerene-like nanoparticles. Nanoscale, 2013, 5, 8526.	5.6	14
107	High-yield synthesis of silicon carbide nanowires by solar and lamp ablation. Nanotechnology, 2013, 24, 335603.	2.6	17
108	Spectroscopic Determination of Phonon Lifetimes in Rhenium-Doped MoS₂ Nanoparticles. Nano Letters, 2013, 13, 2803-2808.	9.1	40

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109	WS2 nanoflakes from nanotubes for electrocatalysis. Nano Research, 2013, 6, 921-928.	10.4	103
110	Field-Effect Transistors Based on WS₂ Nanotubes with High Current-Carrying Capacity. Nano Letters, 2013, 13, 3736-3741.	9.1	131
111	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
112	Encapsulation of Mo2C in MoS2 inorganic fullerene-like nanoparticles and nanotubes. Nanoscale, 2013, 5, 1499.	5.6	14
113	Revealing the Anomalous Tensile Properties of WS₂ Nanotubes by in Situ Transmission Electron Microscopy. Nano Letters, 2013, 13, 1034-1040.	9.1	40
114	Observation of a Bursteinâ€“Moss Shift in Rhenium-Doped MoS₂ Nanoparticles. ACS Nano, 2013, 7, 3506-3511.	14.6	81
115	Nanoparticle Coating of Orthodontic Appliances for Friction Reduction. , 2013, , 259-279.		6
116	Photocatalysis with hybrid Co-coated WS₂ nanotubes. Nanomaterials and Energy, 2013, 2, 25-34.	0.2	11
117	A Nanocomposite of Polyaniline/Inorganic Nanotubes. Macromolecular Chemistry and Physics, 2013, 214, 2007-2015.	2.2	13
118	Inorganic nanotubes and fullerene-like nanoparticles: Synthesis, mechanical properties, and applications. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2253-2258.	1.8	16
119	Nanoinduced morphology and enhanced properties of epoxy containing tungsten disulfide nanoparticles. Polymer Engineering and Science, 2013, 53, 2624-2632.	3.1	29
120	Two-step method for preparation of Al2 O3 /IF-WS2 nanoparticles composite coating. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 2292-2297.	1.8	10
121	INORGANIC NANOTUBES AND FULLERENE-LIKE NANOPARTICLES: FROM THE LAB TO THE MARKET PLACE. , 2013, , .		0
122	New Deposition Technique for Metal Films Containing Inorganic Fullereneâ€Like (IF) Nanoparticles. ChemPhysChem, 2013, 14, 2125-2131.	2.1	2
123	Compound Crystals. , 2013, , 605-638.		2
124	Inorganic Nanotubes and Fullerene-Like Nano-particles: From the Lab to Applications. NATO Science for Peace and Security Series B: Physics and Biophysics, 2013, , 299-302.	0.3	1
125	Electrical transport properties of individual WS2 nanotubes and their dependence on water and oxygen absorption. Applied Physics Letters, 2012, 101, .	3.3	42
126	Metallic Films with Fullerene-Like WS2 (MoS2) Nanoparticles: Self-Lubricating Coatings with Potential Applications. NATO Science for Peace and Security Series A: Chemistry and Biology, 2012, , 59-67.	0.5	0

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127	Self-healing of bended WS2 nanotubes and its effect on the nanotube's properties. Nanoscale, 2012, 4, 7825.	5.6	9
128	Characterization of Niâ€Coated WS₂ Nanotubes for Hydrodesulfurization Catalysis. Israel Journal of Chemistry, 2012, 52, 1053-1062.	2.3	11
129	Investigation of Rheniumâ€Doped MoS₂ Nanoparticles with Fullereneâ€Like Structure. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2610-2616.	1.2	21
130	Semiconductor quantum dotâ€“inorganic nanotube hybrids. Physical Chemistry Chemical Physics, 2012, 14, 4271.	2.8	9
131	New High-Temperature Pb-Catalyzed Synthesis of Inorganic Nanotubes. Journal of the American Chemical Society, 2012, 134, 16379-16386.	13.7	33
132	High-performance photodetectors for visible and near-infrared lights based on individual WS2 nanotubes. Applied Physics Letters, 2012, 100, .	3.3	111
133	Study of Tubular Structures of the Misfit Layered Compound SnS₂/SnS. Chemistry of Materials, 2012, 24, 3004-3015.	6.7	32
134	Synthesis and characterization of WS2 nanotube supported cobalt catalyst for hydrodesulfurization. Materials Research Bulletin, 2012, 47, 1653-1660.	5.2	31
135	Controlled Doping of MS₂ (M=W, Mo) Nanotubes and Fullereneâ€like Nanoparticles. Angewandte Chemie - International Edition, 2012, 51, 1148-1151.	13.8	73
136	High Lubricity of Re-Doped Fullerene-Like MoS2 Nanoparticles. Tribology Letters, 2012, 45, 257-264.	2.6	61
137	Medical applications of inorganic fullerene-like nanoparticles. Journal of Materials Chemistry, 2011, 21, 15121.	6.7	48
138	New Route for Stabilization of 1T-WS₂ and MoS₂ Phases. Journal of Physical Chemistry C, 2011, 115, 24586-24591.	3.1	430
139	Biocompatible Inorganic Fullerene-Like Molybdenum Disulfide Nanoparticles Produced by Pulsed Laser Ablation in Water. ACS Nano, 2011, 5, 1276-1281.	14.6	184
140	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
141	The use of functionalized nanoparticles as nonâ€specific compatibilizers for polymer blends. Polymers for Advanced Technologies, 2011, 22, 65-71.	3.2	28
142	Innentitelbild: MoS2 Hybrid Nanostructures: From Octahedral to Quasi-Spherical Shells within Individual Nanoparticles (Angew. Chem. 8/2011). Angewandte Chemie, 2011, 123, 1766-1766.	2.0	0
143	Inside Cover: MoS2 Hybrid Nanostructures: From Octahedral to Quasi-Spherical Shells within Individual Nanoparticles (Angew. Chem. Int. Ed. 8/2011). Angewandte Chemie - International Edition, 2011, 50, 1728-1728.	13.8	0
144	MoS₂ Hybrid Nanostructures: From Octahedral to Quasiâ€Spherical Shells within Individual Nanoparticles. Angewandte Chemie - International Edition, 2011, 50, 1810-1814.	13.8	62

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145	Synthesis of Copious Amounts of SnS₂ and SnS₂/SnS Nanotubes with Ordered Superstructures. Angewandte Chemie - International Edition, 2011, 50, 12316-12320.	13.8	94
146	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
147	Alleviating fatigue and failure of NiTi endodontic files by a coating containing inorganic fullerene-like WS₂ nanoparticles. Journal of Materials Research, 2011, 26, 1234-1242.	2.6	26
148	CHROMIUM-RICH COATINGS WITH WS₂ NANOPARTICLES CONTAINING FULLERENE-LIKE STRUCTURE. Nano, 2011, 06, 313-324.	1.0	9
149	Towards medical applications of self-lubricating coatings with fullerene-like (IF) WS<SUB align=right>2 nanoparticles. International Journal of Nano and Biomaterials, 2010, 3, 140.	0.1	4
150	Recent progress in the research of inorganic fullerene-like nanoparticles and inorganic nanotubes. Chemical Society Reviews, 2010, 39, 1423-1434.	38.1	185
151	Scaling Up of the WS₂Nanotubes Synthesis. Fullerenes Nanotubes and Carbon Nanostructures, 2010, 19, 18-26.	2.1	63
152	Surface Functionalization of WS₂ Fullerene-like Nanoparticles. Langmuir, 2010, 26, 4409-4414.	3.5	81
153	Synthesis of Inorganic Fullereneâ€•like Nanostructures by Concentrated Solar and Artificial Light. Israel Journal of Chemistry, 2010, 50, 417-425.	2.3	20
154	Inorganic Nanotubes and Nanostructures. Israel Journal of Chemistry, 2010, 50, 393-394.	2.3	3
155	Synthesis and characterization of WS2 inorganic nanotubes with encapsulated/intercalated CsI. Nano Research, 2010, 3, 170-173.	10.4	14
156	Oneâ€•and Twoâ€Dimensional Inorganic Crystals inside Inorganic Nanotubes. European Journal of Inorganic Chemistry, 2010, 2010, 4233-4243.	2.0	14
157	Synthesis of Coreâ€“Shell Inorganic Nanotubes. Advanced Functional Materials, 2010, 20, 2459-2468.	14.9	54
158	Nanocompression of individual multilayered polyhedral nanoparticles. Nanotechnology, 2010, 21, 365705.	2.6	45
159	Stability Criteria of Fullerene-like Nanoparticles: Comparing V2O5 to Layered Metal Dichalcogenides and Dihalides. Materials, 2010, 3, 4428-4445.	2.9	12
160	Gold Nanoparticles as Surface Defect Probes for WS₂ Nanostructures. Journal of Physical Chemistry Letters, 2010, 1, 540-543.	4.6	30
161	Hollow V₂O₅ Nanoparticles (Fullerene-Like Analogues) Prepared by Laser Ablation. Journal of the American Chemical Society, 2010, 132, 11214-11222.	13.7	45
162	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

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163	INSIGHT INTO THE GROWTH MECHANISM OF WS₂ NANOTUBES IN THE SCALED-UP FLUIDIZED-BED REACTOR. Nano, 2009, 04, 91-98.	1.0	128
164	Inorganic fullerene-like tungsten disulfide nanocoating for friction reduction of nickelâ€"titanium alloys. Nanomedicine, 2009, 4, 943-950.	3.3	55
165	Coreâ€"Shell PbI₂@WS₂ Inorganic Nanotubes from Capillary Wetting. Angewandte Chemie - International Edition, 2009, 48, 1230-1233.	13.8	56
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