Andrei N Enyashin

List of Publications by Year
in descending order

212 papers	5,319 citations	117625 34 h-index	102487 66 g-index
220 all docs	220 docs citations	220 times ranked	7040 citing authors

#	Article	IF	Citations
1	New Route for Stabilization of 1T-WS₂ and MoS₂ Phases. Journal of Physical Chemistry C, 2011, 115, 24586-24591.	3.1	430
2	Graphene allotropes. Physica Status Solidi (B): Basic Research, 2011, 248, 1879-1883.	1.5	370
3	Structural, Electronic, and Mechanical Properties of Single-Walled Halloysite Nanotube Models. Journal of Physical Chemistry C, 2010, 114, 11358-11363.	3.1	231
4	Structural and Electronic Properties and Stability of <i>MX</i>enes Ti₂C and Ti₃C₂ Functionalized by Methoxy Groups. Journal of Physical Chemistry C, 2013, 117, 13637-13643.	3.1	194
5	Imogolite Nanotubes: Stability, Electronic, and Mechanical Properties. ACS Nano, 2007, 1, 362-368.	14.6	172
6	Metalâ˘’Organic Frameworks:Â Structural, Energetic, Electronic, and Mechanical Properties. Journal of Physical Chemistry B, 2007, 111, 8179-8186.	2.6	161
7	Two-dimensional titanium carbonitrides and their hydroxylated derivatives: Structural, electronic properties and stability of MXenes Ti3C2â˘’xNx(OH)2 from DFTB calculations. Journal of Solid State Chemistry, 2013, 207, 42-48.	2.9	154
8	Atomic structure, comparative stability and electronic properties of hydroxylated Ti2C and Ti3C2 nanotubes. Computational and Theoretical Chemistry, 2012, 989, 27-32.	2.5	151
9	Defect-induced conductivity anisotropy in MoS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>monolayers. Physical Review B, 2013, 88, .	3.2	144
10	Line Defects in Molybdenum Disulfide Layers. Journal of Physical Chemistry C, 2013, 117, 10842-10848.	3.1	127
11	Structure, stability and electronic properties of TiO2 nanostructures. Physica Status Solidi (B): Basic Research, 2005, 242, 1361-1370.	1.5	120
12	Density-functional study of LixMoS2 intercalates (0â©½xâ©½1). Computational and Theoretical Chemistry, 2012, 999, 13-20.	2.5	120
13	Niâ€“WSe₂nanostructures as efficient catalysts for electrochemical hydrogen evolution reaction (HER) in acidic and alkaline media. Journal of Materials Chemistry A, 2020, 8, 1403-1416.	10.3	102
14	DNA-wrapped carbon nanotubes. Nanotechnology, 2007, 18, 245702.	2.6	88
15	Structure and Stability of Molybdenum Sulfide Fullerenes. Angewandte Chemie - International Edition, 2007, 46, 623-627.	13.8	84
16	Graphene-like transition-metal nanocarbides and nanonitrides. Russian Chemical Reviews, 2013, 82, 735-746.	6.5	79
17	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
18	Controlled Doping of MS₂ (M=W, Mo) Nanotubes and Fullereneâ€like Nanoparticles. Angewandte Chemie - International Edition, 2012, 51, 1148-1151.	13.8	73

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19	Nanosized allotropes of molybdenum disulfide. European Physical Journal: Special Topics, 2007, 149, 103-125.	2.6	65
20	Nanolubrication: How Do MoS2-Based Nanostructures Lubricate?. Journal of Physical Chemistry C, 2008, 112, 17764-17767.	3.1	64
21	MoS₂ Hybrid Nanostructures: From Octahedral to Quasiâ€Spherical Shells within Individual Nanoparticles. Angewandte Chemie - International Edition, 2011, 50, 1810-1814.	13.8	62
22	Structure and Stability of Molybdenum Sulfide Fullerenesâ€. Journal of Physical Chemistry B, 2006, 110, 25399-25410.	2.6	61
23	Toward Atomic-Scale Bright-Field Electron Tomography for the Study of Fullerene-Like Nanostructures. Nano Letters, 2008, 8, 891-896.	9.1	61
24	Effect of Ru Doping on the Properties of MoSe₂ Nanoflowers. Journal of Physical Chemistry C, 2019, 123, 1987-1994.	3.1	60
25	Transport properties of MoS2 nanoribbons: edge priority. European Physical Journal B, 2012, 85, 1.	1.5	58
26	Modeling of the electronic structure, chemical bonding, and properties of ternary silicon carbide Ti3SiC2. Journal of Structural Chemistry, 2011, 52, 785-802.	1.0	57
27	Synthesis of Coreâ€"Shell Inorganic Nanotubes. Advanced Functional Materials, 2010, 20, 2459-2468.	14.9	54
28	Do Cement Nanotubes exist?. Advanced Materials, 2012, 24, 3239-3245.	21.0	51
29	Diffraction from Disordered Stacking Sequences in MoS2and WS2Fullerenes and Nanotubes. Journal of Physical Chemistry C, 2012, 116, 24350-24357.	3.1	49
30	Cu_{2â€"<i>x</i>}Sâ€"MoS₂ Nano-Octahedra at the Atomic Scale: Using a Template To Activate the Basal Plane of MoS₂ for Hydrogen Production. Chemistry of Materials, 2018, 30, 4489-4492.	6.7	48
31	Electronic properties of single-walled V2O5 nanotubes. Solid State Communications, 2003, 126, 489-493.	1.9	45
32	Hollow V₂O₅ Nanoparticles (Fullerene-Like Analogues) Prepared by Laser Ablation. Journal of the American Chemical Society, 2010, 132, 11214-11222.	13.7	45
33	Quantum chemical study of the electronic structure of new nanotubular systems: Î±-graphyne-like carbon, boronâ€"nitrogen and boronâ€"carbonâ€"nitrogen nanotubes. Carbon, 2004, 42, 2081-2089.	10.3	39
34	Mechanical and electronic properties of a C/BN nanocable under tensile deformation. Nanotechnology, 2005, 16, 1304-1310.	2.6	35
35	Optical Properties of Triangular Molybdenum Disulfide Nanoflakes. Journal of Physical Chemistry Letters, 2014, 5, 3636-3640.	4.6	35
36	Magnetization of carbon-doped MgO nanotubes. Physical Review B, 2007, 75, .	3.2	34

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37	Fullereneâ€like Mo(W)_{1âˆ’<i>x</i>}Re_{<i>x</i>}S₂ Nanoparticles. Chemistry - an Asian Journal, 2008, 3, 1568-1574.	3.3	33
38	Hyperdiamond and hyperlonsdaleit: Possible crystalline phases of fulleneneC28. Physical Review B, 2005, 72, .	3.2	31
39	C28fulleritesâ€"structure, electronic properties and intercalates. Physical Chemistry Chemical Physics, 2006, 8, 3320-3325.	2.8	31
40	Stability and Electronic Properties of Bismuth Nanotubes. Journal of Physical Chemistry C, 2010, 114, 22092-22097.	3.1	31
41	Electronic structure of single-walled TiO2 and VO2 nanotubes. Mendeleev Communications, 2003, 13, 5-7.	1.6	30
42	Nanoseashells and Nanooctahedra of MoS2: Routes to Inorganic Fullerenes. Chemistry of Materials, 2009, 21, 5627-5636.	6.7	29
43	W Doping in Ni₁₂P₅ as a Platform to Enhance Overall Electrochemical Water Splitting. ACS Applied Materials & Interfaces, 2022, 14, 581-589.	8.0	29
44	Graphene-like BN allotropes: Structural and electronic properties from DFTB calculations. Chemical Physics Letters, 2011, 509, 143-147.	2.6	27
45	Simulation of Inorganic Nanotubes. Springer Series in Materials Science, 2007, , 33-57.	0.6	26
46	Capillary Imbibition of PbI₂ Melt by Inorganic and Carbon Nanotubes. Journal of Physical Chemistry C, 2009, 113, 13664-13669.	3.1	26
47	Fluorographynes: Stability, structural and electronic properties. Superlattices and Microstructures, 2013, 55, 75-82.	3.1	26
48	Structural and electronic properties of new Î±-graphyne-based carbon fullerenes. Computational and Theoretical Chemistry, 2004, 684, 29-33.	1.5	23
49	Structural and electronic properties of the TiC nanotubes: Density functional-based tight binding calculations. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 30, 164-168.	2.7	23
50	XPS experimental and DFT investigations on solid solutions of Mo_{1âˆ’x}Re_xS₂ (0 < <i>x</i> < 0.20). Nanoscale, 2018, 10, 10232-10240.	5.6	23
51	Adsorption of nucleotides on the rutile (110) surface. International Journal of Materials Research, 2010, 101, 758-764.	0.3	22
52	Electronic band structure of scroll-like divanadium pentoxide nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 326, 152-156.	2.1	21
53	Investigation of Rheniumâ€Doped MoS₂ Nanoparticles with Fullereneâ€Like Structure. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2610-2616.	1.2	21
54	Structural, cohesive and electronic properties of titanium oxycarbides (TiCxO1âˆ’x) nanowires and nanotubes: DFT modeling. Chemical Physics, 2009, 362, 58-64.	1.9	20

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55	Metal cations doped vanadium oxide nanotubes: Synthesis, electronic structure, and gas sensing properties. Sensors and Actuators B: Chemical, 2018, 256, 1021-1029.	7.8	19
56	Electronic, structural, and thermal properties of a nanocable consisting of carbon and BN nanotubes. JETP Letters, 2004, 80, 608-611.	1.4	18
57	Nanotubes of Polytitanic Acids H₂Ti_{<i>n</i>}O_{2<i>n</i>+1} (<i>n</i> = 2, 3, and 4): Structural and Electronic Properties. Journal of Physical Chemistry C, 2009, 113, 20837-20840.	3.1	18
58	Radial compression studies of WS2 nanotubes in the elastic regime. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, .	1.2	18
59	Fluorinated derivatives of sp2 graphene allotropes: Structure, stability, and electronic properties. Chemical Physics Letters, 2012, 545, 78-82.	2.6	18
60	Solar Synthesis of PbSâ€“SnS₂ Superstructure Nanoparticles. ACS Nano, 2015, 9, 7831-7839.	14.6	18
61	Electronic properties of superconducting NbSe2 nanotubes. Physica Status Solidi (B): Basic Research, 2003, 238, R1-R4.	1.5	16
62	Sensitized IR luminescence in Ca3Y2Ge3O12: Nd3+, Ho3+ under 808 nm laser excitation. Ceramics International, 2018, 44, 6959-6967.	4.8	16
63	Structural and chemical mechanism underlying formation of Zn2SiO4:Mn crystalline phosphor properties. Journal of Alloys and Compounds, 2020, 820, 153129.	5.5	16
64	Bending of MgO tubes: Mechanically induced hexagonal phase of magnesium oxide. Physical Review B, 2007, 75, .	3.2	14
65	Atomic and electronic structures and stability of icosahedral nanodiamonds and onions. Physics of the Solid State, 2007, 49, 392-397.	0.6	14
66	Oneâ€•and Twoâ€Ðimensional Inorganic Crystals inside Inorganic Nanotubes. European Journal of Inorganic Chemistry, 2010, 2010, 4233-4243.	2.0	14
67	Atomic-Scale Evolution of a Growing Coreâ€“Shell Nanoparticle. Journal of the American Chemical Society, 2014, 136, 12564-12567.	13.7	14
68	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
69	Concentration growth of luminescence intensity of phosphor Zn 2-2x Mn 2x SiO 4 (Ñ… â‰ 0.13): Crystal-chemical and quantum-mechanical justification. Materials Research Bulletin, 2018, 97, 182-188.	5.2	14
70	Modeling of the structure and electronic structure of condensed phases of small fullerenes C28 and Zn@C28. Physics of the Solid State, 2004, 46, 1569-1573.	0.6	13
71	Structure, Electronic Spectrum, and Chemical Bonding of Fullerene-like Nanoparticles Based on MB₂(M = Mg, Al, Sc, Ti) Layered Diborides. Inorganic Materials, 2004, 40, 134-143.	0.8	13
72	Calculation of the Electronic and Thermal Properties of C/BN Nanotubular Heterostructures. Inorganic Materials, 2005, 41, 595-603.	0.8	13

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73	Layers and tubes of fluorographene C4F: Stability, structural and electronic properties from DFTB calculations. Chemical Physics Letters, 2013, 576, 44-48.	2.6	13
74	A DFT study and experimental evidence of the sonication-induced cleavage of molybdenum sulfide Mo₂S₃ in liquids. Journal of Materials Chemistry C, 2017, 5, 6601-6610.	5.5	13
75	Electronic properties of Mo-doped cylindrical and scroll-like divanadium pentoxide nanotubes. Chemical Physics Letters, 2004, 392, 555-560.	2.6	12
76	Nonempirical calculations of the electronic properties of new boron nitride graphyne-like nanotubes. Russian Journal of Physical Chemistry A, 2006, 80, 372-379.	0.6	12
77	Theoretical prediction of Al(OH)3 nanotubes and their properties. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 41, 320-323.	2.7	12
78	Prediction of atomic structure and electronic properties of Ti3SiC2 based nanotubes by DFTB theory. Materials Letters, 2008, 62, 663-665.	2.6	12
79	Structural, elastic, and electronic properties of icosahedral boron subcarbides (B12C3, B13C2), subnitride B12N2, and suboxide B12O2 from data of SCC-DFTB calculations. Physics of the Solid State, 2011, 53, 1569-1574.	0.6	12
80	Quantum-chemical study of quasi-one-dimensional vanadium and niobium sulfides with Peierls distortion. Journal of Structural Chemistry, 2016, 57, 1505-1512.	1.0	12
81	Facile, rapid and efficient doping of amorphous TiO 2 by pre-synthesized colloidal CdS quantum dots. Journal of Alloys and Compounds, 2017, 706, 205-214.	5.5	12
82	Deformation mechanisms for carbon and boron nitride nanotubes. Inorganic Materials, 2006, 42, 1336-1341.	0.8	11
83	Theoretical study of the structure and electronic properties of TiO nanotubes and nanowires. Computational and Theoretical Chemistry, 2006, 766, 15-18.	1.5	11
84	Theoretical and experimental comparative study of the stability and phase transformations of sesquichalcogenides M₂Q₃ (M = Nb, Mo; Q = S, Se). Physical Chemistry Chemical Physics, 2019, 21, 1454-1463.	2.8	11
85	Structural, electronic, and optical studies of BaRE2Ge3O10 (RE = Y, Sc, Gdâ€"Lu) germanates with a special focus on the [Ge3O10]8â^' geometry. CrystEngComm, 2019, 21, 6491-6502.	2.6	11
86	Theoretical Studies of Inorganic Fullerenes and Fullereneâ€Like Nanoparticles. Israel Journal of Chemistry, 2010, 50, 468-483.	2.3	10
87	Nitrogen-doped ZnS nanoparticles: Soft-chemical synthesis, EPR statement and quantum-chemical characterization. Materials Chemistry and Physics, 2018, 215, 176-182.	4.0	10
88	Low-Temperature Solâ€"Gel Synthesis and Photoactivity of Nanocrystalline TiO2 with the Anatase/Brookite Structure and an Amorphous Component. Kinetics and Catalysis, 2019, 60, 325-336.	1.0	10
89	Synthesis, spectroscopic and luminescence properties of Gaâ€"doped Î³â€"Al2O3. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 227, 117658.	3.9	10
90	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

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91	Electronic Structure of New Graphyne-Like Boron Nitride Nanotubes. Doklady Physical Chemistry, 2004, 395, 62-66.	0.9	9
92	Structure and Electronic Spectrum of Fullerene-like Nanoclusters Based on Mo, Nb, Zr, and Sn Disulfides. Inorganic Materials, 2004, 40, 395-399.	0.8	9
93	Electronic Structure of Fullerenelike Molecules Based on TiO2, SnO2, and SnS2. Journal of Structural Chemistry, 2004, 45, 151-155.	1.0	9
94	Atomic and electronic structure of the orthoboric (H3BO3) and metaboric (H3B3O6) acids nanotubes. Chemical Physics Letters, 2005, 411, 186-191.	2.6	9
95	Structural Defects and Electronic Properties of TiS2 Nanotubes. Inorganic Materials, 2005, 41, 1118-1123.	0.8	9
96	Structural models and electronic properties of cage-like C3N4 molecules. Diamond and Related Materials, 2005, 14, 1-5.	3.9	9
97	Stability and electronic properties of single-walled Î³-AlO(OH) nanotubes. Mendeleev Communications, 2006, 16, 292-294.	1.6	9
98	Structural, thermal properties and stability of monolithic and hollow MgO nanocubes: Atomistic simulation. Computational and Theoretical Chemistry, 2007, 822, 28-32.	1.5	9
99	Structural, electronic, cohesive, and elastic properties of diamondlike allotropes of crystallineC40. Physical Review B, 2008, 77, .	3.2	9
100	Synthesis and crystal structure of 3R and 1Tâ€² polytypes of NH4Sc(SO4)2. Journal of Solid State Chemistry, 2017, 255, 50-60.	2.9	9
101	Size dependent content of structural vacancies within TiO nanoparticles: Quantum-chemical DFTB study. Superlattices and Microstructures, 2018, 113, 459-465.	3.1	9
102	Single Walled BiI3 Nanotubes Encapsulated within Carbon Nanotubes. Scientific Reports, 2018, 8, 10133.	3.3	9
103	Crystal structure, luminescence properties and thermal stability of BaY2âˆ'xEuxGe3O10 phosphors with high colour purity for blue-excited pc-LEDs. New Journal of Chemistry, 2020, 44, 16400-16411.	2.8	9
104	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
105	Luminescence of a Transparent Alumina Ceramic Doped with Chromium and Titanium. Refractories and Industrial Ceramics, 2003, 44, 94-98.	0.6	8
106	Electronic Structure of Doped Titanium Dioxide Nanotubes. Doklady Physical Chemistry, 2003, 391, 187-190.	0.9	8
107	Ab initio study of dititanium endofullerenes: D5d- and D5h-Ti2@C80. Computational Materials Science, 2006, 36, 26-29.	3.0	8
108	TiSi₂ nanostructures â€“ enhanced conductivity at nanoscale?. Physica Status Solidi (B): Basic Research, 2007, 244, 3593-3600.	1.5	8

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109	New self-intercalated C28, Ti@C28, and Zn@C28 hyperdiamonds: Crystal structure and elastic and electronic properties. JETP Letters, 2007, 86, 537-542.	1.4	8
110	Stability and electronic properties of rhenium sulfide nanotubes. Physica Status Solidi (B): Basic Research, 2009, 246, 114-118.	1.5	8
111	Electrochemical Oxidative Aromatizationof 9-Substituted 9,10-Dihydroacridines: Cleavage of Câ€“H vs Câ€“X Bond. Chemistry of Heterocyclic Compounds, 2019, 55, 956-963.	1.2	8
112	Electronic properties and chemical bonding of single-walled MoO3 nanotubes. Mendeleev Communications, 2004, 14, 94-95.	1.6	7
113	Electronic Structure of Nanotubes of Layered Modifications of Carbon Nitride C3N4. Doklady Physical Chemistry, 2004, 398, 211-215.	0.9	7
114	Simulation of the structural and thermal properties of tubular nanocrystallites of magnesium oxide. Physics of the Solid State, 2006, 48, 801-805.	0.6	7
115	Titanium oxide fullerenes: electronic structure and basic trends in their stability. Physical Chemistry Chemical Physics, 2007, 9, 5772.	2.8	7
116	Atomic defects of the walls and the electronic structure of molybdenum disulfide nanotubes. Semiconductors, 2007, 41, 81-86.	0.5	7
117	Stability and structural, elastic, and electronic properties of 3D-(sp 3) carbon allotropes according to DFTB calculations. Doklady Physical Chemistry, 2012, 442, 1-4.	0.9	7
118	The Role of Lead (Pb) in the High Temperature Formation of MoS2 Nanotubes. Inorganics, 2014, 2, 363-376.	2.7	7
119	Structural and chemical analysis of gadolinium halides encapsulated within WS₂nanotubes. Nanoscale, 2016, 8, 12170-12181.	5.6	7
120	Polymorphism and properties of ammonium scandium sulfate (NH₄)₃Sc(SO₄)₃: new intermediate compound in scandium production. CrystEngComm, 2018, 20, 3772-3783.	2.6	7
121	Photolysis of polychlorobiphenyls in the presence of nanocrystalline TiO2 and CdS/TiO2. Reaction Kinetics, Mechanisms and Catalysis, 2019, 126, 1115-1134.	1.7	7
122	V2O3/C composite fabricated by carboxylic acid-assisted solâ€“gel synthesis as anode material for lithium-ion batteries. Journal of Sol-Gel Science and Technology, 2021, 98, 549-558.	2.4	7
123	Janus ZnS nanoparticles: Synthesis and photocatalytic properties. Journal of Physics and Chemistry of Solids, 2022, 161, 110459.	4.0	7
124	Electronic Structure and Chemical Bonding in Crystalline and Nanosized Forms of Magnesium Diboride. Doklady Physical Chemistry, 2003, 388, 43-47.	0.9	6
125	Structure and Electronic Characteristics of New Graphyne-Like Fullerenes of Boron Nitride: Quantum-Chemical Modelling. Theoretical and Experimental Chemistry, 2004, 40, 71-76.	0.8	6
126	Electronic band structure of Î²-ZrNCl-based nanotubes. Chemical Physics Letters, 2004, 387, 85-90.	2.6	6

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127	Electronic, energy, and thermal properties of the MÃ¶bius strip and related ring nanostructures of NbS3. Physics of the Solid State, 2006, 48, 780-785.	0.6	6
128	Structural, electronic and elastic properties of ultra-light diamond-like crystalline allotropes of carbon-functionalized fullerenes C28. Chemical Physics Letters, 2009, 473, 108-110.	2.6	6
129	Atomic Defects on the Surface of Quasi Two-Dimensional Layered Titanium Dichalcogenides: Stm Experiment and Quantum Chemical Simulation. Journal of Structural Chemistry, 2010, 51, 737-743.	1.0	6
130	Magnetic properties of NiCl2 nanostructures. Computational Materials Science, 2010, 49, 782-786.	3.0	6
131	On the capabilities of the x-ray diffraction method in determining polytypes in nanostructured layered metal disulfides. Journal of Structural Chemistry, 2013, 54, 388-395.	1.0	6
132	A new polymorph of NH4V3O7: Synthesis, structure, magnetic and electrochemical properties. Solid State Sciences, 2016, 61, 225-231.	3.2	6
133	Structure and Stability of GaS Fullerenes and Nanotubes. Israel Journal of Chemistry, 2017, 57, 529-539.	2.3	6
134	Structural, electronic properties of microscale (NH4)2V3O8 fabricated using a novel preparation method. Journal of Physics and Chemistry of Solids, 2017, 101, 58-64.	4.0	6
135	Structure and optical properties of KLa9(GeO4)6O2 and KLa8.37Eu0.63(GeO4)6O2. Chemical Physics Letters, 2017, 667, 9-14.	2.6	6
136	Synthesis, crystal structure and optical properties of Me(OH)(HCOO)₂ (Me = Al, Ga). CrystEngComm, 2018, 20, 2741-2748.	2.6	6
137	Stability and electronic properties of oxygen-doped ZnS polytypes: DFTB study. Chemical Physics, 2018, 510, 70-76.	1.9	6
138	Morphological Phase Diagram of Gadolinium Iodide Encapsulated in Carbon Nanotubes. Journal of Physical Chemistry C, 2018, 122, 24967-24976.	3.1	6
139	Revealing the Flexible 1D Primary and Globular Secondary Structures of Sulfurâ€Rich Amorphous Transition Metal Polysulfides. ChemNanoMat, 2019, 5, 1488-1497.	2.8	6
140	Ion sensor activity of Î±-MoO3 prepared using microwave-assisted hydrothermal synthesis. Journal of Electroanalytical Chemistry, 2019, 840, 187-192.	3.8	6
141	Thermal and kinetic studies of sulfur-rich molybdenum and tungsten polysulfides. Journal of Alloys and Compounds, 2021, 851, 156705.	5.5	6
142	Quantum-Chemical Simulation of New Hybrid Nanostructures: Small Fullerenes C20and C28in Single-Walled Boron-Nitrogen Nanotubes. Russian Journal of General Chemistry, 2004, 74, 713-720.	0.8	5
143	New nanotubes of metal oxycarbides: Modeling of carbothermal reduction of TiO2 nanotubes. Doklady Physical Chemistry, 2006, 407, 57-61.	0.9	5
144	Atomic and electronic structures and thermal stability of boron-nitrogen nanopeapods: B12N12 fullerenes in BN nanotubes. Physics of the Solid State, 2008, 50, 390-396.	0.6	5

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145	Structural, elastic, and electronic properties of new superhard isotropic cubic crystals of carbon nanotubes. JETP Letters, 2008, 87, 321-325.	1.4	5
146	Structural, electronic properties and stability of metatitanic acid (H2TiO3) nanotubes. Chemical Physics Letters, 2009, 484, 44-47.	2.6	5
147	Molecular-dynamics simulations of capillary imbibition of KI melt into MoS2 nanotubes. Chemical Physics Letters, 2010, 501, 98-102.	2.6	5
148	On the crystallization of polymer composites with inorganic fullerene-like particles. Physical Chemistry Chemical Physics, 2012, 14, 7104.	2.8	5
149	Inorganic Fullerene-Like Nanoparticles and Inorganic Nanotubes. Inorganics, 2014, 2, 649-651.	2.7	5
150	Nd³⁺,Ho³⁺-Codoped apatite-related NaLa₉(GeO₄)₆O₂ phosphors for the near- and middle-infrared region. Dalton Transactions, 2018, 47, 14041-14051.	3.3	5
151	Synthesis and characterization of quaternary La(Sr)Sâ€“TaS₂ misfit-layered nanotubes. Beilstein Journal of Nanotechnology, 2019, 10, 1112-1124.	2.8	5
152	Surface Tension and Shear Strain Contributions to the Mechanical Behavior of Individual Mgâ€Niâ€Phyllosilicate Nanoscrolls. Particle and Particle Systems Characterization, 2021, 38, 2100153.	2.3	5
153	Synthesis and Structure of Quasi-One-Dimensional Niobium Tetrasulfide NbS₄. Inorganic Chemistry, 2022, 61, 2783-2789.	4.0	5
154	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
155	Atomic structure and electronic properties of nanopeapods: Isomers of endohedral dititanofullerenes Ti2@C80 in carbon nanotubes. Russian Journal of Inorganic Chemistry, 2006, 51, 1483-1492.	1.3	4
156	Electronic structure of extended titanium carbide nanocrystallites. Journal of Structural Chemistry, 2006, 47, 549-552.	1.0	4
157	Quantum-chemical modelling of nanotubes of titanium silicocarbides Ti2SiC, Ti3SiC2, and Ti4SiC3. Theoretical and Experimental Chemistry, 2009, 45, 98-102.	0.8	4
158	Structural, cohesive and electronic properties of Ti5Si3 nanotubes. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1217-1221.	2.7	4
159	Structural, electronic, mechanical, and magnetic properties and relative stability of polymorphic modifications of ReN2 from Ab initio calculation data. Physics of the Solid State, 2013, 55, 1821-1825.	0.6	4
160	Structural and electronic properties of new 1D and 2D carbon allotropes with mixed sp1â^'sp3 hybridization types. Chemical Physics Letters, 2014, 609, 15-20.	2.6	4
161	Electronic structure and optical properties of ALa9-Eu (GeO4)6O2 (AÂ=ÂLi, Na, K, Rb, Cs, La1/3; xÂ=Â0, 0.07). Journal of Alloys and Compounds, 2017, 727, 390-397.	5.5	4
162	Structure, magnetic and optical properties of Sr₃<i>RE</i>₂(Ge₃O₉)₂ cyclogermanates (<i>RE</i> = Laâ€“Gd). CrystEngComm, 2018, 20, 2404-2412.	2.6	4

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163	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
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