

Vladimir A Greshnyakov

List of Publications by Year in descending order

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docs citations

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times ranked

235
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the structure and interlayer interactions of twisted bilayer graphene. Fullerenes Nanotubes and Carbon Nanostructures, 2022, 30, 152-155.	1.0	2
2	Structure and properties of a chiral polymorph of diamond with a crystal lattice of the SA3 type. Letters on Materials, 2021, 11, 479-484.	0.2	3
3	Ageing of chemically modified poly(vinylidene fluoride) film: Evolution of triple carbon-carbon bonds infrared absorption. Polymer Degradation and Stability, 2020, 172, 109059.	2.7	8
4	Ab Initio Calculations of Carbon Bilayers with Diamond-Like Structures. Journal of Structural Chemistry, 2020, 61, 835-843.	0.3	3
5	Theoretical study of the stability and formation methods of layer diamond-like nanostructures. Letters on Materials, 2020, 10, 457-462.	0.2	3
6	Structure and electronic properties of graphyne polymorphs formed from 4-8 graphene. IOP Conference Series: Materials Science and Engineering, 2019, 537, 022070.	0.3	2
7	Structure Formation of Hexagonal Diamond: Ab Initio Calculations. Physics of the Solid State, 2019, 61, 1882-1890.	0.2	3
8	Atomic structure and electronic properties of binary graphane: Ab initio calculations. IOP Conference Series: Materials Science and Engineering, 2019, 537, 022056.	0.3	0
9	New aspects in the study of carbon-hydrogen interaction in hydrogenated carbon nanotubes for energy storage applications. Journal of Alloys and Compounds, 2019, 792, 713-720.	2.8	21
10	Theoretical Investigation of Phase Transitions of Graphite and Cubic 3C Diamond Into Hexagonal 2H Diamond Under High Pressures. Physica Status Solidi (B): Basic Research, 2019, 256, 1800575.	0.7	10
11	Ab initio calculations of the formation polymerized fullerite from endohedral clusters $\text{Li}@C_{24}$. Journal of Physics: Conference Series, 2019, 1399, 022022.	0.3	0
12	Investigation of a new C24 cluster for obtaining diamond-like phases: first-principle calculations. Journal of Physics: Conference Series, 2019, 1410, 012031.	0.3	0
13	Modeling of synthesis pathways for diamond-like polycyclobutane phases. Letters on Materials, 2019, 9, 428-432.	0.2	1
14	PHASE TRANSFORMATIONS OF LA3 AND LA5 DIAMOND POLYMORPHS. Physical and Chemical Aspects of the Study of Clusters, Nanostructures and Nanomaterials, 2019, , 458-465.	0.2	0
15	Calculation of the Physicochemical Characteristics of a New Orthorhombic Form of Diamond. Inorganic Materials, 2018, 54, 111-116.	0.2	8
16	Diamond-like phase formed of carbon C24 clusters. IOP Conference Series: Materials Science and Engineering, 2018, 447, 012018.	0.3	4
17	Formation of Diamond-Like Phases from Hexagonal and Tetragonal Graphene Layers. Bulletin of the Russian Academy of Sciences: Physics, 2018, 82, 1209-1213.	0.1	2
18	Structural varieties of carbon compounds. IOP Conference Series: Materials Science and Engineering, 2018, 447, 012016.	0.3	0

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19	Modeling of Phase Transitions of Graphites to Diamond-Like Phases. Physics of the Solid State, 2018, 60, 1294-1302.	0.2	13
20	Structural varieties of polytypes. Physics of the Solid State, 2017, 59, 1926-1933.	0.2	13
21	Investigation on the formation of lonsdaleite from graphite. Journal of Experimental and Theoretical Physics, 2017, 124, 265-274.	0.2	23
22	Structure of graphane polymorphs. Journal of Physics: Conference Series, 2017, 917, 032015.	0.3	4
23	Simulation of the formation of polymorphic varieties of nanodiamonds. Journal of Physics: Conference Series, 2017, 917, 032004.	0.3	1
24	Crystalline structure and properties of diamond-like materials. Nanosystems: Physics, Chemistry, Mathematics, 2017, , 127-136.	0.2	6
25	Modeling of the formation of diamond-like phases from structural varieties of tetragonal graphite. Letters on Materials, 2017, 7, 318-322.	0.2	8
26	Structure and some physicochemical properties of carbon and silicon phases with a LA3 diamond-like lattice. Journal of Structural Chemistry, 2016, 57, 884-891.	0.3	3
27	Structure and Properties of Diamond-Like Phases. Materials Science Forum, 2016, 845, 231-234.	0.3	2
28	Molecular and Crystalline Structure of Carbon Materials. Materials Science Forum, 2016, 845, 235-238.	0.3	1
29	Structure, properties, and possible mechanisms of formation of diamond-like phases. Physics of the Solid State, 2016, 58, 2145-2154.	0.2	35
30	Simulation of the phase transition of graphite to the diamond-like LA3 phase. Technical Physics, 2016, 61, 1462-1466.	0.2	13
31	Structure and properties of diamond-like phase obtained from tetragonal graphene layers. Letters on Materials, 2016, 6, 159-162.	0.2	2
32	NEW MONOCLINIC POLYMORPHIC VARIETY OF DIAMOND FORMED OF GRAPHENE LAYERS. Bulletin of the South Ural State University Series Mathematics Mechanics Physics, 2016, 8, 72-78.	0.2	0
33	Diamond-like phases formed from fullerene-like clusters. Physics of the Solid State, 2015, 57, 2331-2341.	0.2	17
34	Diamond-like phases prepared from graphene layers. Physics of the Solid State, 2015, 57, 205-212.	0.2	26
35	Diamond-like phases obtained from nanotubes and three-dimensional graphites. Physics of the Solid State, 2015, 57, 1253-1263.	0.2	16
36	Structures and properties of diamond-like phases derived from carbon nanotubes and three-dimensional graphites. Journal of Materials Science, 2015, 50, 7627-7635.	1.7	9

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37	Technique for Calculating the Bulk Modulus. Russian Physics Journal, 2014, 57, 731-737.	0.2	12
38	New structural modifications of diamond: LA9, LA10, and CA12. Journal of Experimental and Theoretical Physics, 2014, 119, 101-106.	0.2	25
39	New polymorphic types of diamond. Journal of Structural Chemistry, 2014, 55, 409-417.	0.3	13
40	Novel carbon diamond-like phases LA5, LA7 and LA8. Diamond and Related Materials, 2014, 50, 9-14.	1.8	23
41	Classification of structural modifications of carbon. Physics of the Solid State, 2013, 55, 1754-1764.	0.2	80
42	Classification schemes for carbon phases and nanostructures. New Carbon Materials, 2013, 28, 273-282.	2.9	53
43	Specific features of the structure of detonation nanodiamonds from results of electron microscopy investigations. Physics of the Solid State, 2012, 54, 1715-1722.	0.2	28
44	Classification and structure of silicon carbide phases. Physics of the Solid State, 2012, 54, 433-440.	0.2	12
45	Structures of diamond-like phases. Journal of Experimental and Theoretical Physics, 2011, 113, 86-95.	0.2	33