

# Viñtor V TÑherdyntsev

## List of Publications by Year in descending order

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33  
papers

623  
citations

686830

13  
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610482

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g-index

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33  
docs citations

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times ranked

691  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of structure, mechanical and tribological properties of short carbon fiber reinforced UHMWPE-matrix composites. <i>Composites Part B: Engineering</i> , 2015, 76, 79-88.	5.9	134
2	Surface modification of carbon fibers and its effect on the fiber-matrix interaction of UHMWPE based composites. <i>Journal of Alloys and Compounds</i> , 2014, 586, S459-S463.	2.8	58
3	Structure, Mechanical and Thermal Properties of Polyphenylene Sulfide and Polysulfone Impregnated Carbon Fiber Composites. <i>Polymers</i> , 2019, 11, 684.	2.0	55
4	Thermal conductivity of polypropylene filled with inorganic particles. <i>Journal of Alloys and Compounds</i> , 2014, 586, S451-S454.	2.8	47
5	Effect of Formation Route on the Mechanical Properties of the Polyethersulfone Composites Reinforced with Glass Fibers. <i>Polymers</i> , 2019, 11, 1364.	2.0	40
6	Effect of carbon fiber surface modification on their interfacial interaction with polysulfone. <i>Results in Physics</i> , 2019, 15, 102634.	2.0	32
7	Phase composition and microhardness of rapidly quenched Al-Fe alloys after high pressure torsion deformation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 888-893.	2.6	29
8	Electron microscopy investigation of interface between carbon fiber and ultra high molecular weight polyethylene. <i>Journal of Alloys and Compounds</i> , 2014, 586, S168-S172.	2.8	23
9	Mechanical alloying as a solid state route for fabrication of Al-Cu-M(=Fe, Cr) quasicrystalline phases. <i>Journal of Alloys and Compounds</i> , 2017, 707, 315-320.	2.8	19
10	Effect of Glass Fibers Thermal Treatment on the Mechanical and Thermal Behavior of Polysulfone Based Composites. <i>Polymers</i> , 2020, 12, 902.	2.0	17
11	Effect of Graphite Filler Type on the Thermal Conductivity and Mechanical Behavior of Polysulfone-Based Composites. <i>Polymers</i> , 2022, 14, 399.	2.0	16
12	Structure and mechanical properties of self-reinforced ultra-high molecular weight polyethylene. <i>Journal of Composite Materials</i> , 2018, 52, 1689-1698.	1.2	15
13	Solid-state recycling of polyimide film waste. <i>Journal of Applied Polymer Science</i> , 2013, 127, 2960-2968.	1.3	14
14	The Evolution of Crystalline Precursors During the Formation of Al-Cu-Fe Quasicrystalline Intermetallics in Mechanically Alloyed Powders. <i>Materials Science Forum</i> , 2001, 360-362, 137-142.	0.3	13
15	Multi-scaled polymer-based composite materials synthesized by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2009, 483, 195-199.	2.8	13
16	Structure and Properties of Polysulfone Filled with Modified Twill Weave Carbon Fabrics. <i>Polymers</i> , 2020, 12, 50.	2.0	11
17	Decagonal quasicrystalline phase in as-cast and mechanically alloyed Al-Cu-Cr alloys. <i>Journal of Alloys and Compounds</i> , 2014, 586, S391-S394.	2.8	10
18	Structure and properties of composites based on polyphenylene sulfide reinforced with Al-Cu-Fe quasicrystalline particles. <i>Journal of Thermoplastic Composite Materials</i> , 2018, 31, 882-895.	2.6	9

#	ARTICLE	IF	CITATIONS
19	Structure transformation and elements redistribution at heating of Fe <sub>73.5</sub> Nb <sub>3</sub> Cu <sub>1</sub> Si <sub>13.5</sub> B <sub>9</sub> amorphous alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 258-259, 539-542.	1.0	8
20	Tribological, Mechanical and Thermal Properties of Fluorinated Ethylene Propylene Filled with Al-Cu-Cr Quasicrystals, Polytetrafluoroethylene, Synthetic Graphite and Carbon Black. <i>Polymers</i> , 2021, 13, 781.	2.0	8
21	Thermal treatment as an effective method of carbon/glass fibers surface modification for high-performance thermoplastic polymer matrix composites. <i>Materials Today: Proceedings</i> , 2020, 33, 2027-2031.	0.9	7
22	Complex Structure Modification and Improvement of Properties of Aluminium Casting Alloys with Various Silicon Content. <i>Metals</i> , 2021, 11, 1946.	1.0	7
23	Towards the growth of single quasicrystalline grains in Al-Cu-(Fe, Cr) alloys after mechanical alloying and subsequent high temperature heating. <i>Journal of Alloys and Compounds</i> , 2017, 720, 95-104.	2.8	6
24	Novel carbon fibers reinforced composites based on polysulfone matrix. <i>MATEC Web of Conferences</i> , 2018, 242, 01004.	0.1	6
25	Formation of ethylene-vinyl acetate composites filled with Al-Cu-Fe and Al-Cu-Cr quasicrystalline particles. <i>Journal of Materials Research and Technology</i> , 2019, 8, 572-589.	2.6	6
26	Structure, mechanical and tribological properties of radiation cross-linked ultrahigh molecular weight polyethylene and composite materials based on it. <i>Journal of Alloys and Compounds</i> , 2014, 586, S443-S445.	2.8	5
27	Development of antifriction composites based on polypyromellitimide matrix. <i>Journal of Alloys and Compounds</i> , 2014, 586, S446-S450.	2.8	4
28	Reinforced Polymer Composites. <i>Polymers</i> , 2021, 13, 564.	2.0	4
29	Nanoquasicrystalline Phase in Mechanically Alloyed and Heat-Treated Al <sub>73</sub> Cu <sub>11</sub> Cr <sub>16</sub> . <i>Acta Physica Polonica A</i> , 2014, 126, 599-602.	0.2	2
30	Fracture Toughness of Moldable Low-Temperature Carbonized Elastomer-Based Composites Filled with Shungite and Short Carbon Fibers. <i>Polymers</i> , 2022, 14, 1793.	2.0	2
31	Structure and microwave absorbing properties of carbon-filled ultra-high molecular weight polyethylene. <i>Science and Engineering of Composite Materials</i> , 2018, 25, 153-157.	0.6	1
32	Low-Temperature Carbonized Elastomer-Based Composites Filled with Silicon Carbide. <i>Polymers</i> , 2020, 12, 2669.	2.0	1
33	Effect of Aluminum Ion Irradiation on Chemical and Phase Composition of Surface Layers of Rolled AISI 321 Stainless Steel. <i>Metals</i> , 2021, 11, 1706.	1.0	1