

Svetlana Bochkareva

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

139
citations

1307594

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Adhesion on Mechanical and Tribological Properties of Glass Fiber Composites, Based on Ultra-High Molecular Weight Polyethylene Powders with Various Initial Particle Sizes. <i>Materials</i> , 2020, 13, 1602.	2.9	29
2	Simulation of Frictional Wear with Account of Temperature for Polymer Composites. <i>Physical Mesomechanics</i> , 2020, 23, 147-159.	1.9	20
3	Increasing Wear Resistance of UHMWPE by Loading Enforcing Carbon Fibers: Effect of Irreversible and Elastic Deformation, Friction Heating, and Filler Size. <i>Materials</i> , 2020, 13, 338.	2.9	19
4	A Unified Approach to Determining the Effective Physicomechanical Characteristics of Filled Polymer Composites Based on Variational Principles. <i>Mechanics of Composite Materials</i> , 2019, 54, 775-788.	1.4	14
5	The effect of annealing of milled carbon fibers on the mechanical and tribological properties of solid lubricant thermoplastic polyimide based composites. <i>Polymer Engineering and Science</i> , 2020, 60, 2735-2748.	3.1	13
6	Material Design Methodology for Optimized Wear-Resistant Thermoplastic Matrix Composites Based on Polyetheretherketone and Polyphenylene Sulfide. <i>Materials</i> , 2020, 13, 524.	2.9	9
7	Development of a Wear-Resistant Extrudable Composite Material Based on an Ultrahigh-Molecular Polyethylene with Predetermined Properties. <i>Mechanics of Composite Materials</i> , 2020, 56, 15-26.	1.4	8
8	Design of Wear-Resistant UHMWPE-Based Composites Loaded with Wollastonite Microfibers Treated with Various Silane Coupling Agents. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4511.	2.5	6
9	A multilevel analysis of deformation and fracture of filled polymeric coatings for tribotechnical application. <i>Engineering Fracture Mechanics</i> , 2014, 130, 75-82.	4.3	4
10	Determination of the thermal conductivity coefficient of inhomogeneous media. , 2014, , .		3
11	Stress-strain state and loss of stability of anisotropic thermal coating under thermal shock. , 2014, , .		3
12	Computer-Aided Design of the Composition of Extrudable Polymer Polymer UHMWPE Composites with Specified Antifriction and Mechanical Properties. <i>Journal of Friction and Wear</i> , 2019, 40, 501-510.	0.5	3
13	ESTIMATION OF THE ADHESIVE INTERACTION OF COMPOSITE MATERIAL PHASES USING THE STRESS-STRAIN CURVE. <i>International Journal of Nanomechanics Science and Technology</i> , 2010, 1, 301-311.	0.5	3
14	DEVELOPMENT OF COMPUTATIONAL EXPERIMENTAL METHODS TO OPTIMIZE THE MECHANICAL CHARACTERISTICS OF HIGH-ENERGY FILLED POLYMER SYSTEMS. <i>Composites: Mechanics, Computations, Applications</i> , 2012, 3, 135-148.	0.3	2
15	The Effect of Anisotropy in Polymeric Matrices on Compositional Properties at Various Temperatures. <i>Advanced Materials Research</i> , 2014, 1040, 188-193.	0.3	1
16	Modeling of filled Polymeric Composite Materials in View of Structural Features. <i>Procedia Engineering</i> , 2015, 113, 474-478.	1.2	1
17	Comparative analysis of methods for determination of the thermal characteristics of filled polymer composites. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	1
18	Design of composites with specified effective mechanical and thermophysical characteristics. , 2014, , .		0

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19	Influence of porosity on thermophysical properties of a composite. AIP Conference Proceedings, 2015, , .	0.4	0
20	Microfiller influence on structure and properties of the composite. AIP Conference Proceedings, 2015, , .	0.4	0
21	Prediction of the effective characteristics of freeze-resisting polymeric compositions and reliability estimation of products on their basis. , 2015, , .		0
22	Stress-strain state in "coating" substrate system after coating stability loss induced by impact of thermal stresses. AIP Conference Proceedings, 2016, , .	0.4	0
23	Experimental-theoretical technique for design antifriction polyetheretherketone composites of optimum composition. AIP Conference Proceedings, 2018, , .	0.4	0
24	Simulation of friction wear of polymer composite materials. AIP Conference Proceedings, 2018, , .	0.4	0
25	Simulation of UHMWPE composites filled with preliminary mechanically activated PTFE particles. AIP Conference Proceedings, 2018, , .	0.4	0
26	Effective stress-strain, thermophysical and electrophysical properties of filled polymer composites. AIP Conference Proceedings, 2018, , .	0.4	0
27	Experimental-theoretical design of multicomponent UHMWPE composites with prescribed mechanical and tribotechnical properties. AIP Conference Proceedings, 2018, , .	0.4	0
28	Structure and tribomechanical properties of multicomponent extrudable "UHMWPE-HDPE-g-SMA-PP" composites fabricated by fused deposition modeling. AIP Conference Proceedings, 2019, , .	0.4	0
29	Experimental study and multilevel modeling of effective properties of polyphenylene sulfide based 3-component composites. AIP Conference Proceedings, 2019, , .	0.4	0
30	Content optimization of polyphenylene sulfide composites filled with carbon fibers of different size. AIP Conference Proceedings, 2019, , .	0.4	0
31	PRINCIPLES OF GENERATION OF MECHANICAL PROPERTIES OF HIGH-ENERGY FILLED POLYMER COMPOSITIONS. Composites: Mechanics, Computations, Applications, 2011, 2, 313-326.	0.3	0