

Aleksandr Sychev

List of Publications by Year in descending order

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33
papers

113
citations

1478505

6
h-index

1474206

9
g-index

33
all docs

33
docs citations

33
times ranked

46
citing authors

#	ARTICLE	IF	CITATIONS
1	Triboinduced adsorption of liquid-crystal nanomaterials under frictional interaction of solids. Doklady Physics, 2009, 54, 269-272.	0.7	13
2	Studying thermal state of friction pairs of multidisc brake. Journal of Friction and Wear, 2013, 34, 421-428.	0.5	11
3	Lubricity of cholesteric liquid-crystal nanomaterials in friction of solids. Journal of Friction and Wear, 2016, 37, 136-140.	0.5	10
4	Association of evaluation methods of the effective permittivity of heterogeneous media on the basis of a generalized singular approximation. Doklady Physics, 2013, 58, 379-383.	0.7	9
5	On the mechanism of cholesteric liquid crystal lubricity in metal joint friction. Journal of Friction and Wear, 2015, 36, 496-501.	0.5	7
6	A generalized effective-field approximation for an inhomogeneous medium with coated inclusions. Doklady Physics, 2017, 62, 415-419.	0.7	7
7	Lubricants with ceramic nanoadditives and wear-resistant surface structures of heavy-duty frictional joints. Russian Engineering Research, 2011, 31, 454-457.	0.6	6
8	Thermoinduced effect of reversible lubricating ability of cholesteric liquid-crystalline nanomaterials in friction of solids. Doklady Physical Chemistry, 2014, 457, 123-126.	0.9	6
9	A method of analysis of distributions of local electric fields in composites. Doklady Physics, 2016, 61, 124-128.	0.7	4
10	Influence of Aluminum Coatings on the Quality of Weld Joints. Russian Engineering Research, 2018, 38, 992-995.	0.6	4
11	Investigations of Antifriction Films Formation in Dioctyl Sebacate Medium with Cholesteryl Esters. Lecture Notes in Mechanical Engineering, 2020, , 1035-1041.	0.4	4
12	Predicting the limiting strength of nontextured matrix composites. Russian Engineering Research, 2015, 35, 14-18.	0.6	3
13	The effect of the coefficient of journal friction in ball-and-socket bogie body pivots on the work done by friction forces in curvilinear motion. Journal of Friction and Wear, 2016, 37, 476-481.	0.5	3
14	Structurally Induced Lubricity of Liquid Crystal Cholesterol Nanomaterials in the Friction of Metals. Doklady Physics, 2019, 64, 356-359.	0.7	3
15	The Generalized Maxwell Garnett Approximation for Textured Matrix Composites with Coated Inclusions. Doklady Physics, 2021, 66, 123-128.	0.7	3
16	Influence of the alkyl radical on the optical activity of cholesteric liquid-crystal nanomaterials. Russian Engineering Research, 2009, 29, 794-798.	0.6	2
17	Numerical study of thermal conditions for a oil-cooled friction pair of a multidisc brake. Russian Engineering Research, 2012, 32, 329-337.	0.6	2
18	Bulk strain energy density in randomly reinforced polymer composites with antifriction dispersed additives. Physical Mesomechanics, 2016, 19, 223-228.	1.9	2

#	ARTICLE	IF	CITATIONS
19	Predicting the effective thermal conductivity of multicomponent textured tribocomposites. Russian Engineering Research, 2017, 37, 957-961.	0.6	2
20	Effect of Thermoelastic Characteristics of Components, Shape of Non-Isometric Inclusions, and Their Orientation on Average Stresses in Matrix Structures. Physical Mesomechanics, 2018, 21, 258-262.	1.9	2
21	Predicting the Effective Thermal Conductivity of Tribocomposites with Coated Antifrictional Inclusions. Russian Engineering Research, 2019, 39, 117-121.	0.6	2
22	Improvement of the triboengineering and physicochemical properties of Puma lubricating compositions with lithium molybdophosphate additive. Journal of Friction and Wear, 2009, 30, 182-187.	0.5	1
23	The screening effect of cholesteric liquid-crystalline nanomaterials introduced into lubricating media. Doklady Physics, 2012, 57, 390-392.	0.7	1
24	Strain energy density in fiber composites based on high-epoxy binders. Russian Engineering Research, 2013, 33, 65-68.	0.6	1
25	Kinetics of frictional transfer in a metal-polymer tribosystem. Journal of Friction and Wear, 2014, 35, 511-513.	0.5	1
26	Deformational energy density in antifrictional fabric composites. Russian Engineering Research, 2014, 34, 5-8.	0.6	1
27	Effective energy-loss coefficients in the vibration of rod structures. Russian Engineering Research, 2015, 35, 737-739.	0.6	1
28	Predicting the elastic properties of randomly reinforced polymer composites with antifrictional additives. Russian Engineering Research, 2016, 36, 30-34.	0.6	1
29	Concentration effect of antifrictional additives on local elastic characteristics of randomly reinforced polymer composites. Journal of Machinery Manufacture and Reliability, 2016, 45, 348-353.	0.5	1
30	Predicting the limiting strength of chaotically reinforced polymer composites with dispersed antifrictional additives. Russian Engineering Research, 2017, 37, 471-474.	0.6	0
31	Local Stressâ€”Strain State of Tribocomposites with Spherical Microcapsules Filled with Liquid Lubricant. Journal of Machinery Manufacture and Reliability, 2018, 47, 147-154.	0.5	0
32	The Screening Effect of Ethanol Amines and Cholesteric Liquid Crystal Nanomaterials upon Friction Interaction with Metals in Plastic Lubricants. Journal of Friction and Wear, 2019, 40, 6-10.	0.5	0
33	Effective Thermal Conductivity of Composites with Contact Thermal Resistance between the Inclusions and the Matrix. Russian Engineering Research, 2020, 40, 622-627.	0.6	0