

Filip Ilie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5796328/publications.pdf>

Version: 2024-02-01

21
papers

180
citations

1307594

7
h-index

1125743

13
g-index

22
all docs

22
docs citations

22
times ranked

151
citing authors

#	ARTICLE	IF	CITATIONS
1	A Modelling Study of the Correlation between the Layer Obtained by Selective Transfer and the Dislocations Movement at the Friction Surfaces Limit. <i>Metals</i> , 2022, 12, 180.	2.3	1
2	Study of Wear Phenomenon of a Dental Milling Cutter by Statisticalâ€“Mathematical Modeling Based on the Experimental Results. <i>Materials</i> , 2022, 15, 1903.	2.9	2
3	Tribological Behavior of Friction Materials of a Disk-Brake Pad Braking System Affected by Structural Changesâ€“A Review. <i>Materials</i> , 2022, 15, 4745.	2.9	15
4	Modelling of the contact processes in a friction pair with selective-transfer. <i>Journal of Materials Research and Technology</i> , 2021, 12, 2453-2461.	5.8	3
5	Rheological behavior of the lubricants favoring the formation of thin layers by selective transfer in the frictional couples. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2019, 233, 949-955.	1.8	2
6	Tribological behaviour of the steel/bronze friction pair (journal bearing type) functioning with selective mass transfer. <i>International Journal of Heat and Mass Transfer</i> , 2018, 124, 655-662.	4.8	6
7	Diffusion and mass transfer mechanisms during frictional selective transfer. <i>International Journal of Heat and Mass Transfer</i> , 2018, 116, 1260-1265.	4.8	3
8	Tribological behavior of a friction couple functioning with selective mass transfer. <i>Heat and Mass Transfer</i> , 2017, 53, 625-633.	2.1	2
9	A method for determining the thickness of tribological performing thin layers formed by selective transfer. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 174, 012065.	0.6	0
10	Chemical-Mechanical Impact of Nanoparticles and pH Effect of the Slurry on the CMP of the Selective Layer Surfaces. <i>Lubricants</i> , 2017, 5, 15.	2.9	9
11	Study of Superficial Layers Obtained by Selective Transfer in the Friction Couples. <i>European Journal of Engineering Research and Science</i> , 2017, 2, 54.	0.3	1
12	Tribological Properties of the Lubricant Containing Titanium Dioxide Nanoparticles as an Additive. <i>Lubricants</i> , 2016, 4, 12.	2.9	68
13	Investigation into the Effect of Concentration of Benzotriazole on the Selective Layer Surface in the Chemical Mechanical Planarization Process. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 4919-4927.	2.5	5
14	Tribological Study of Ecological Lubricants Containing Titanium Dioxide Nanoparticles. <i>Applied Mechanics and Materials</i> , 2014, 658, 323-328.	0.2	8
15	Tribochemical interaction between nanoparticles and surfaces of selective layer during chemical mechanical polishing. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	1.9	6
16	Energy Dissipation During Adhesion and Friction at the Atomic Scale of MoS ₂ Nanoparticles on the Surface of MoS ₂ . <i>Journal of Advanced Microscopy Research</i> , 2013, 8, 270-275.	0.3	2
17	Models of nanoparticles movement, collision, and friction in chemical mechanical polishing (CMP). <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	15
18	A Study on the Friction and Wear of Composite Materials Coatings Through Selective Transfer with Atomic Force Microscopy. <i>Journal of Advanced Microscopy Research</i> , 2012, 7, 182-189.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Investigation into layers formed by selective transfer CMP mechanisms with atomic force microscope. Journal of Nanoparticle Research, 2011, 13, 5519-5526.	1.9	8
20	Studies and researches concerning the tribological behaviour of friction couple functioning with selective transfer. Tribology International, 2006, 39, 774-780.	5.9	14
21	Modelling and Experimentation of Solid Lubrification with Powder MoS ₂ through Self-Repairing and Self-Replenishing. Advanced Materials Research, 0, 463-464, 1120-1124.	0.3	6