

Filip Ilie

List of Publications by Year in descending order

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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	Tribological Properties of the Lubricant Containing Titanium Dioxide Nanoparticles as an Additive. <i>Lubricants</i> , 2016, 4, 12.	2.9	68
2	Models of nanoparticles movement, collision, and friction in chemical mechanical polishing (CMP). <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	15
3	Tribological Behavior of Friction Materials of a Disk-Brake Pad Braking System Affected by Structural Changes—A Review. <i>Materials</i> , 2022, 15, 4745.	2.9	15
4	Studies and researches concerning the tribological behaviour of friction couple functioning with selective transfer. <i>Tribology International</i> , 2006, 39, 774-780.	5.9	14
5	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
6	Investigation into layers formed by selective transfer CMP mechanisms with atomic force microscope. <i>Journal of Nanoparticle Research</i> , 2011, 13, 5519-5526.	1.9	8
7	Tribological Study of Ecological Lubricants Containing Titanium Dioxide Nanoparticles. <i>Applied Mechanics and Materials</i> , 2014, 658, 323-328.	0.2	8
8	Modelling and Experimentation of Solid Lubrification with Powder MoS ₂ through Self-Repairing and Self-Replenishing. <i>Advanced Materials Research</i> , 0, 463-464, 1120-1124.	0.3	6
9	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
10	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
11	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
12	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
13	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
14	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
15	Tribological behavior of a friction couple functioning with selective mass transfer. <i>Heat and Mass Transfer</i> , 2017, 53, 625-633.	2.1	2
16	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
17	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
18	Study of Wear Phenomenon of a Dental Milling Cutter by Statistical—Mathematical Modeling Based on the Experimental Results. <i>Materials</i> , 2022, 15, 1903.	2.9	2

#	ARTICLE	IF	CITATIONS
19	Study of Superficial Layers Obtained by Selective Transfer in the Friction Couples. European Journal of Engineering Research and Science, 2017, 2, 54.	0.3	1
20	A Modelling Study of the Correlation between the Layer Obtained by Selective Transfer and the Dislocations Movement at the Friction Surfaces Limit. Metals, 2022, 12, 180.	2.3	1
21	A method for determining the thickness of tribological performing thin layers formed by selective transfer. IOP Conference Series: Materials Science and Engineering, 2017, 174, 012065.	0.6	0