

Oleksii Nosko

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

29
papers

321
citations

9
h-index

17
g-index

31
ext. papers

400
ext. citations

3.1
avg, IF

4.1
L-index

#	Paper	IF	Citations
29	A concept for reducing PM 10 emissions for car brakes by 50%. <i>Wear</i> , 2018 , 396-397, 135-145	3.5	46
28	Emission of 1.3 μ m airborne particles from brake materials. <i>Aerosol Science and Technology</i> , 2017 , 51, 91-96	3.4	42
27	A Study on Emission of Airborne Wear Particles from Car Brake Friction Pairs. <i>SAE International Journal of Materials and Manufacturing</i> , 2015 , 9, 147-157	1	39
26	Quantification of ultrafine airborne particulate matter generated by the wear of car brake materials. <i>Wear</i> , 2017 , 374-375, 92-96	3.5	34
25	Effective density of airborne wear particles from car brake materials. <i>Journal of Aerosol Science</i> , 2017 , 107, 94-106	4.3	31
24	Prevention of resonance oscillations in gear mechanisms using non-circular gears. <i>Mechanism and Machine Theory</i> , 2017 , 114, 1-10	4	23
23	Partition of friction heat between sliding semispaces due to adhesion-deformational heat generation. <i>International Journal of Heat and Mass Transfer</i> , 2013 , 64, 1189-1195	4.9	20
22	Porosity and shape of airborne wear microparticles generated by sliding contact between a low-metallic friction material and a cast iron. <i>Journal of Aerosol Science</i> , 2017 , 113, 130-140	4.3	12
21	Measurement of temperature at sliding polymer surface by grindable thermocouples. <i>Tribology International</i> , 2015 , 88, 100-106	4.9	11
20	Calculation of temperature of carbon disks of aircraft brakes with account of heat exchange with the environment. <i>Journal of Friction and Wear</i> , 2012 , 33, 233-238	0.9	8
19	A pin-on-disc study of airborne wear particle emissions from studded tyre on concrete road contacts. <i>Wear</i> , 2018 , 410-411, 165-172	3.5	7
18	Analytical Study of Sliding Instability due to Velocity- and Temperature-Dependent Friction. <i>Tribology Letters</i> , 2016 , 61, 1	2.8	6
17	Application of the generalized boundary condition to solving thermal friction problems. <i>Journal of Friction and Wear</i> , 2009 , 30, 455-462	0.9	6
16	Thermoelastic problem of friction of plane-parallel layers with allowance for nonstationarity of thermal processes. <i>Journal of Friction and Wear</i> , 2010 , 31, 317-325	0.9	6
15	Correlations between the wear of car brake friction materials and airborne wear particle emissions. <i>Wear</i> , 2020 , 456-457, 203361	3.5	6
14	Analytical solution of non-stationary heat conduction problem for two sliding layers with time-dependent friction conditions. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 98, 624-630	4.9	5
13	Mathematical simulation of thermal friction processes under conditions of nonideal contact. <i>High Temperature</i> , 2009 , 47, 123-130	0.8	4

12	Performance of acicular grindable thermocouples for temperature measurements at sliding contacts. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021 , 181, 109641	4.6	3
11	Inverse determination of sliding surface temperature based on measurements by thermocouples with account of their thermal inertia. <i>Tribology International</i> , 2021 , 164, 107200	4.9	3
10	Thermal boundary conditions to simulate friction layers and coatings at sliding contacts. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 127, 1128-1137	4.9	2
9	Hyperbolic heat conduction at a microscopic sliding contact with account of adhesion-deformational heat generation and wear. <i>International Journal of Thermal Sciences</i> , 2019 , 137, 101-109	4.1	2
8	Theoretical study of thermofrictional oscillations due to negative friction-temperature characteristic. <i>Tribology International</i> , 2013 , 61, 235-243	4.9	1
7	Selection of a contact geometry model when simulating thermal friction processes. <i>Journal of Friction and Wear</i> , 2009 , 30, 127-136	0.9	1
6	Modeling of thermoelastic frictional contact. <i>Journal of Friction and Wear</i> , 2007 , 28, 338-341	0.9	1
5	Friction-Induced Oscillations of a Non-Asbestos Organic Pin Sliding on a Steel Disc. <i>Acta Mechanica Et Automatica</i> , 2015 , 9, 84-88	0.7	1
4	Accuracy and Transparency of Sliding Surface Temperature Measurements by Acicular Grindable Thermocouples 2021 ,		1
3	Perfect thermal contact of hyperbolic conduction semispaces with an interfacial heat source. <i>International Journal of Heat and Mass Transfer</i> , 2021 , 164, 120541	4.9	0
2	Reliability of acicular grindable thermocouples for transient temperature measurements at sliding contacts. <i>Measurement: Journal of the International Measurement Confederation</i> , 2022 , 196, 111270	4.6	0
1	High load capacity spur gears with conchoidal path of contact. <i>Mechanics and Industry</i> , 2021 , 22, 47	0.8	