Oleksii Nosko

List of Publications by Year in Descending Order

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	Reliability of acicular grindable thermocouples for transient temperature measurements at sliding contacts. *Measurement: Journal of the International Measurement Confederation*, **2022**, 196, 111270	4.6	0
28	High load capacity spur gears with conchoidal path of contact. *Mechanics and Industry*, **2021**, 22, 47	0.8	
27	Accuracy and Transparency of Sliding Surface Temperature Measurements by Acicular Grindable Thermocouples **2021**,		1
26	Perfect thermal contact of hyperbolic conduction semispaces with an interfacial heat source. *International Journal of Heat and Mass Transfer*, **2021**, 164, 120541	4.9	0
25	Performance of acicular grindable thermocouples for temperature measurements at sliding contacts. *Measurement: Journal of the International Measurement Confederation*, **2021**, 181, 109641	4.6	3
24	Inverse determination of sliding surface temperature based on measurements by thermocouples with account of their thermal inertia. *Tribology International*, **2021**, 164, 107200	4.9	3
23	Correlations between the wear of car brake friction materials and airborne wear particle emissions. *Wear*, **2020**, 456-457, 203361	3.5	6
22	Hyperbolic heat conduction at a microscopic sliding contact with account of adhesion-deformational heat generation and wear. *International Journal of Thermal Sciences*, **2019**, 137, 101-109	4.1	2
21	A concept for reducing PM 10 emissions for car brakes by 50%. *Wear*, **2018**, 396-397, 135-145	3.5	46
20	Thermal boundary conditions to simulate friction layers and coatings at sliding contacts. *International Journal of Heat and Mass Transfer*, **2018**, 127, 1128-1137	4.9	2
19	A pin-on-disc study of airborne wear particle emissions from studded tyre on concrete road contacts. *Wear*, **2018**, 410-411, 165-172	3.5	7
18	Effective density of airborne wear particles from car brake materials. *Journal of Aerosol Science*, **2017**, 107, 94-106	4.3	31
17	Prevention of resonance oscillations in gear mechanisms using non-circular gears. *Mechanism and Machine Theory*, **2017**, 114, 1-10	4	23
16	Quantification of ultrafine airborne particulate matter generated by the wear of car brake materials. *Wear*, **2017**, 374-375, 92-96	3.5	34
15	Porosity and shape of airborne wear microparticles generated by sliding contact between a low-metallic friction material and a cast iron. *Journal of Aerosol Science*, **2017**, 113, 130-140	4.3	12
14	Emission of 1.3–10 nm airborne particles from brake materials. *Aerosol Science and Technology*, **2017**, 51, 91-96	3.4	42
13	Analytical Study of Sliding Instability due to Velocity- and Temperature-Dependent Friction. *Tribology Letters*, **2016**, 61, 1	2.8	6

12	Analytical solution of non-stationary heat conduction problem for two sliding layers with time-dependent friction conditions. *International Journal of Heat and Mass Transfer*, **2016**, 98, 624-630	4.9	5
11	Measurement of temperature at sliding polymer surface by grindable thermocouples. *Tribology International*, **2015**, 88, 100-106	4.9	11
10	A Study on Emission of Airborne Wear Particles from Car Brake Friction Pairs. *SAE International Journal of Materials and Manufacturing*, **2015**, 9, 147-157	1	39
9	Friction-Induced Oscillations of a Non-Asbestos Organic Pin Sliding on a Steel Disc. *Acta Mechanica Et Automatica*, **2015**, 9, 84-88	0.7	1
8	Theoretical study of thermofrictional oscillations due to negative friction-temperature characteristic. *Tribology International*, **2013**, 61, 235-243	4.9	1
7	Partition of friction heat between sliding semispaces due to adhesion-deformational heat generation. *International Journal of Heat and Mass Transfer*, **2013**, 64, 1189-1195	4.9	20
6	Calculation of temperature of carbon disks of aircraft brakes with account of heat exchange with the environment. *Journal of Friction and Wear*, **2012**, 33, 233-238	0.9	8
5	Thermoelastic problem of friction of plane-parallel layers with allowance for nonstationarity of thermal processes. *Journal of Friction and Wear*, **2010**, 31, 317-325	0.9	6
4	Mathematical simulation of thermal friction processes under conditions of nonideal contact. *High Temperature*, **2009**, 47, 123-130	0.8	4
3	Selection of a contact geometry model when simulating thermal friction processes. *Journal of Friction and Wear*, **2009**, 30, 127-136	0.9	1
2	Application of the generalized boundary condition to solving thermal friction problems. *Journal of Friction and Wear*, **2009**, 30, 455-462	0.9	6
1	Modeling of thermoelastic frictional contact. *Journal of Friction and Wear*, **2007**, 28, 338-341	0.9	1