

Alexander Diem

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5629665/publications.pdf>

Version: 2024-02-01

11
papers

118
citations

1478505

6
h-index

1720034

7
g-index

11
all docs

11
docs citations

11
times ranked

116
citing authors

#	ARTICLE	IF	CITATIONS
1	Static and Dynamic Friction of Pure and Friction-Modified PA6 Polymers in Contact with Steel Surfaces: Influence of Surface Roughness and Environmental Conditions. <i>Lubricants</i> , 2019, 7, 17.	2.9	17
2	Development of a Constitutive Model for Friction in Bulk Metal Forming. <i>Lubricants</i> , 2018, 6, 42.	2.9	7
3	Properties of nitrocarburised and oxidised steel surfaces and the correlation with their tribological behaviour under unlubricated sliding conditions. <i>Wear</i> , 2018, 410-411, 127-141.	3.1	2
4	Using a standard pin-on-disc tribometer to analyse friction in a metal forming process. <i>Tribology International</i> , 2017, 114, 418-428.	5.9	9
5	Tempering-Induced Microstructural Changes in the Weld Heat-Affected Zone of 9 to 12% Cr Steels and Their Influence on Sliding Wear. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 109-125.	2.2	6
6	The influence of temperature on friction and wear of unlubricated steel/steel contacts in different gaseous atmospheres. <i>Tribology International</i> , 2016, 98, 155-171.	5.9	38
7	The effect of gaseous atmospheres on friction and wear of steel-steel contacts. <i>Tribology International</i> , 2014, 79, 99-110.	5.9	29
8	Optimisation of Plasma Nitrocarburising for Reducing Wear in Dry Sliding Contacts. <i>Key Engineering Materials</i> , 0, 721, 389-393.	0.4	2
9	Damage Mechanisms of Plasma, Gas and Salt Bath Nitrocarburized Steel in Lab-Scale Sliding Test. <i>Key Engineering Materials</i> , 0, 674, 152-158.	0.4	3
10	Influence of Nitrocarburizing Process Parameters on the Development of Surface Roughness and Layer Formation. <i>Key Engineering Materials</i> , 0, 674, 325-330.	0.4	3
11	Influence of Water Absorption on Static Friction of Pure and Friction-Modified PA6 Polymers. <i>Key Engineering Materials</i> , 0, 799, 59-64.	0.4	2