

Alexander Diem

List of Publications by Year in descending order

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11
papers

118
citations

1478505

6
h-index

1720034

7
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11
all docs

11
docs citations

11
times ranked

116
citing authors

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