

Ulrike Cihak-Bayr

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1848799/publications.pdf>

Version: 2024-02-01

16
papers

320
citations

840776

11
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

241
citing authors

#	ARTICLE	IF	CITATIONS
1	Examination of undisturbed acoustic emission generated by experimentally modelled two-body abrasive wear events. <i>Tribology International</i> , 2020, 141, 105912.	5.9	11
2	Unraveling and Mapping the Mechanisms for Near-Surface Microstructure Evolution in CuNi Alloys under Sliding. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32197-32208.	8.0	32
3	Primary calibration by reciprocity method of high-frequency acoustic-emission piezoelectric transducers. <i>Journal of the Acoustical Society of America</i> , 2018, 143, 3557-3562.	1.1	4
4	Interfacial Microstructure Evolution Due to Strain Path Changes in Sliding Contacts. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 24288-24301.	8.0	14
5	Wear of different material pairings for the cylinder liner " piston ring contact. <i>Industrial Lubrication and Tribology</i> , 2018, 70, 687-699.	1.3	25
6	Thermostat Influence on the Structural Development and Material Removal during Abrasion of Nanocrystalline Ferrite. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13713-13725.	8.0	33
7	Methods for atomistic abrasion simulations of laterally periodic polycrystalline substrates with fractal surfaces. <i>Computer Physics Communications</i> , 2017, 212, 100-112.	7.5	17
8	Experimental simulation of high temperature sliding contact of hot rolled steel. <i>Tribology International</i> , 2016, 93, 745-754.	5.9	33
9	Evolution of topography and material removal during nanoscale grinding. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 465308.	2.8	19
10	Characterisation of orange peel on highly polished steel surfaces. <i>Surface Engineering</i> , 2015, 31, 519-525.	2.2	25
11	High plastically deformed sub-surface tribozones in sliding experiments. <i>Wear</i> , 2014, 309, 11-20.	3.1	20
12	An analysis method for atomistic abrasion simulations featuring rough surfaces and multiple abrasive particles. <i>Computer Physics Communications</i> , 2014, 185, 2456-2466.	7.5	43
13	Diffraction-Based Residual Stress Analysis Applied to Problems in the Aircraft Industry. <i>Advanced Engineering Materials</i> , 2007, 9, 627-638.	3.5	3
14	Characterization of residual stresses in turbine discs by neutron and high-energy X-ray diffraction and comparison to finite element modeling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 437, 75-82.	5.6	29
15	Characterization of Residual Stresses in Compressor Discs for Aeroengines. <i>Advanced Engineering Materials</i> , 2006, 8, 1088-1092.	3.5	9
16	Characterization of Residual Stresses in 718 Turbine Discs by Neutron Diffraction and Finite Element Modelling. <i>Advanced Materials Research</i> , 0, 278, 102-107.	0.3	3