

# Julie Marteau

## List of Publications by Year in descending order

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14  
papers

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citations

1307594

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1058476

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537  
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#	ARTICLE	IF	CITATIONS
1	Characterization of the Microstructure Changes Induced by a Rolling Contact Bench Reproducing Wheel/Rail Contact on a Pearlitic Steel. <i>Metals</i> , 2022, 12, 745.	2.3	2
2	Topography characterization of sinusoidal surfaces obtained with electrochemical machining. <i>Surface Topography: Metrology and Properties</i> , 2021, 9, 025002.	1.6	1
3	An attempt to generate mechanical white etching layer on rail surface on a new rolling contact test bench. <i>Wear</i> , 2021, 482-483, 203945.	3.1	6
4	Quantification of the Morphological Signature of Roping Based on Multiscale Analysis and Autocorrelation Function Description. <i>Materials</i> , 2020, 13, 3040.	2.9	3
5	Topographical curvature is sufficient to control epithelium elongation. <i>Scientific Reports</i> , 2020, 10, 14784.	3.3	20
6	Determination of an Objective Criterion for the Assessment of the Feasibility of an Instrumented Indentation Test on Rough Surfaces. <i>Materials</i> , 2020, 13, 1589.	2.9	6
7	Interfacial characteristics and cohesion mechanisms of linear friction welded dissimilar titanium alloys: Ti-5Al-2Sn-2Zr-4Mo-4Cr (Ti17) and Ti-6Al-2Sn-4Zr-2Mo (Ti6242). <i>Materials Characterization</i> , 2019, 158, 109942.	4.4	25
8	Curvotaxis directs cell migration through cell-scale curvature landscapes. <i>Nature Communications</i> , 2018, 9, 3995.	12.8	190
9	The use of multiscale transfer functions for understanding the impact of successive mechanical treatments on surface topography. <i>Tribology International</i> , 2017, 114, 429-435.	5.9	2
10	Review on Numerical Modeling of Instrumented Indentation Tests for Elastoplastic Material Behavior Identification. <i>Archives of Computational Methods in Engineering</i> , 2015, 22, 577-593.	10.2	15
11	Effect of surface roughness in the determination of the mechanical properties of material using nanoindentation test. <i>Scanning</i> , 2014, 36, 134-149.	1.5	50
12	Reflection on the measurement and use of the topography of the indentation imprint. <i>Scanning</i> , 2014, 36, 115-126.	1.5	4
13	Investigation of Strain Heterogeneities Between Grains in Ferritic and Ferritic-Martensitic Steels. <i>Experimental Mechanics</i> , 2013, 53, 427-439.	2.0	42
14	Zero-Point Correction Method for Nanoindentation Tests to Accurately Quantify Hardness and Indentation Size Effect. <i>Strain</i> , 2012, 48, 491-497.	2.4	20