

Diego Marchetto

List of Publications by Year in descending order

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14
papers

986
citations

623734

14
h-index

1058476

14
g-index

14
all docs

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docs citations

14
times ranked

1434
citing authors

#	ARTICLE	IF	CITATIONS
1	Tribological effects of surface texturing on nitriding steel for high-performance engine applications. <i>Wear</i> , 2008, 265, 1046-1051.	3.1	249
2	Metal Work-Function Changes Induced by Organic Adsorbates: A Combined Experimental and Theoretical Study. <i>Physical Review Letters</i> , 2005, 95, 046804.	7.8	196
3	Friction and Wear on Single-Layer Epitaxial Graphene in Multi-Asperity Contacts. <i>Tribology Letters</i> , 2012, 48, 77-82.	2.6	98
4	AFM investigation of tribological properties of nano-patterned silicon surface. <i>Wear</i> , 2008, 265, 577-582.	3.1	80
5	Ordered (3 Å– 4) High-Density Phase of Methylthiolate on Au(111). <i>Journal of Physical Chemistry B</i> , 2004, 108, 16-20.	2.6	79
6	Interfacial Electrostatics of Self-Assembled Monolayers of Alkane Thiolates on Au(111): Work Function Modification and Molecular Level Alignments. <i>Journal of Physical Chemistry B</i> , 2006, 110, 10862-10872.	2.6	57
7	The role of humidity and oxygen on MoS ₂ thin films deposited by RF PVD magnetron sputtering. <i>Surface and Coatings Technology</i> , 2017, 319, 345-352.	4.8	43
8	Microscale study of frictional properties of graphene in ultra high vacuum. <i>Friction</i> , 2015, 3, 161-169.	6.4	37
9	Deformation and Adhesion of Elastomer Poly(dimethylsiloxane) Colloidal AFM Probes. <i>Langmuir</i> , 2007, 23, 9293-9302.	3.5	33
10	The analytical relations between particles and probe trajectories in atomic force microscope nanomanipulation. <i>Nanotechnology</i> , 2009, 20, 115706.	2.6	33
11	Nanoindentation shape effect: experiments, simulations and modelling. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 395002.	1.8	23
12	A Chemical, Mechanical, and Tribological Analysis of DLC Coatings Deposited by Magnetron Sputtering. <i>Lubricants</i> , 2019, 7, 38.	2.9	22
13	Hydrophobic effect of surface patterning on Si surface. <i>Wear</i> , 2010, 268, 488-492.	3.1	19
14	High-Speed Measurements of Steel–Ice Friction: Experiment vs. Calculation. <i>Lubricants</i> , 2018, 6, 26.	2.9	17