

Xiawei Cheng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

505
citations

11
h-index

20
g-index

20
ext. papers

590
ext. citations

3.2
avg, IF

3.33
L-index

#	Paper	IF	Citations
20	Adhesion, friction and wear analysis of a chromium oxide scale on a ferritic stainless steel. <i>Wear</i> , 2019 , 426-427, 1212-1221	3.5	9
19	Influences of Load and Microstructure on Tribocorrosion Behaviour of High Strength Hull Steel in Saline Solution. <i>Tribology Letters</i> , 2019 , 67, 1	2.8	4
18	Degradation of ferritic stainless steels at 1200 °C in air. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2018 , 69, 63-75	1.6	5
17	Friction and wear characteristics of TiO ₂ nano-additive water-based lubricant on ferritic stainless steel. <i>Tribology International</i> , 2018 , 117, 24-38	4.9	90
16	A study of the tribological behaviour of TiO ₂ nano-additive water-based lubricants. <i>Tribology International</i> , 2017 , 109, 398-408	4.9	128
15	Analysis of TiO ₂ nano-additive water-based lubricants in hot rolling of microalloyed steel. <i>Journal of Manufacturing Processes</i> , 2017 , 27, 26-36	5	45
14	Effects of surface preparation on tribological behaviour of a ferritic stainless steel in hot rolling. <i>Wear</i> , 2017 , 376-377, 1804-1813	3.5	5
13	Study on growth behaviour of oxide scale and its effects on tribological property of nano-TiO ₂ additive oil-in-water lubricant. <i>Wear</i> , 2017 , 376-377, 792-802	3.5	12
12	Wear and friction behaviour of high-speed steel and indefinite chill material for rolling ferritic stainless steels. <i>Wear</i> , 2017 , 376-377, 1580-1585	3.5	19
11	Analysis of oxide scale deformation and surface roughness characterisation in hot rolling of stainless steels. <i>International Journal of Surface Science and Engineering</i> , 2017 , 11, 241	1	3
10	Breakaway oxidation behaviour of ferritic stainless steels at 1150°C in humid air. <i>Corrosion Science</i> , 2016 , 108, 11-22	6.8	36
9	High Temperature Oxidation of Indefinite Chill Roll Material Under Dry and Humid Atmospheres. <i>Steel Research International</i> , 2016 , 87, 349-358	1.6	2
8	Influence of Cr-Rich Oxide Scale on Sliding Wear Mechanism of Ferritic Stainless Steel at High Temperature. <i>Tribology Letters</i> , 2016 , 63, 1	2.8	9
7	Experimental and Numerical Study on the Effect of ZDDP Films on Sticking During Hot Rolling of Ferritic Stainless Steel Strip. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016 , 47, 5195-5202	2.3	6
6	High temperature oxidation behaviour of ferritic stainless steel SUS 430 in humid air. <i>Metals and Materials International</i> , 2015 , 21, 251-259	2.4	29
5	Effect of Extreme Pressure Additives on the Deformation Behavior of Oxide Scale during the Hot Rolling of Ferritic Stainless Steel Strips. <i>Tribology Transactions</i> , 2015 , 58, 947-954	1.8	13
4	Investigation of oxide scale on ferritic stainless steel B445J1M and its tribological effect in hot rolling. <i>Wear</i> , 2015 , 338-339, 178-188	3.5	13

3	Oxide scale characterization of ferritic stainless steel and its deformation and friction in hot rolling. <i>Tribology International</i> , 2015 , 84, 61-70	4-9	30
2	Characteristics of oxide scale formed on ferritic stainless steels in simulated reheating atmosphere. <i>Surface and Coatings Technology</i> , 2014 , 258, 257-267	4-4	44
1	Effects of oxide scale on hot rolling of an austenitic stainless steel. <i>International Journal of Surface Science and Engineering</i> , 2014 , 8, 173	1	3