

# Xiawei Cheng

## List of Publications by Citations

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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	A study of the tribological behaviour of TiO <sub>2</sub> nano-additive water-based lubricants. <i>Tribology International</i> , <b>2017</b> , 109, 398-408	4.9	128
19	Friction and wear characteristics of TiO <sub>2</sub> nano-additive water-based lubricant on ferritic stainless steel. <i>Tribology International</i> , <b>2018</b> , 117, 24-38	4.9	90
18	Analysis of TiO <sub>2</sub> nano-additive water-based lubricants in hot rolling of microalloyed steel. <i>Journal of Manufacturing Processes</i> , <b>2017</b> , 27, 26-36	5	45
17	Characteristics of oxide scale formed on ferritic stainless steels in simulated reheating atmosphere. <i>Surface and Coatings Technology</i> , <b>2014</b> , 258, 257-267	4.4	44
16	Breakaway oxidation behaviour of ferritic stainless steels at 1150°C in humid air. <i>Corrosion Science</i> , <b>2016</b> , 108, 11-22	6.8	36
15	Oxide scale characterization of ferritic stainless steel and its deformation and friction in hot rolling. <i>Tribology International</i> , <b>2015</b> , 84, 61-70	4.9	30
14	High temperature oxidation behaviour of ferritic stainless steel SUS 430 in humid air. <i>Metals and Materials International</i> , <b>2015</b> , 21, 251-259	2.4	29
13	Wear and friction behaviour of high-speed steel and indefinite chill material for rolling ferritic stainless steels. <i>Wear</i> , <b>2017</b> , 376-377, 1580-1585	3.5	19
12	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> , <b>2015</b> , 58, 947-954	1.8	13
11	Investigation of oxide scale on ferritic stainless steel B445J1M and its tribological effect in hot rolling. <i>Wear</i> , <b>2015</b> , 338-339, 178-188	3.5	13
10	Study on growth behaviour of oxide scale and its effects on tribological property of nano-TiO <sub>2</sub> additive oil-in-water lubricant. <i>Wear</i> , <b>2017</b> , 376-377, 792-802	3.5	12
9	Adhesion, friction and wear analysis of a chromium oxide scale on a ferritic stainless steel. <i>Wear</i> , <b>2019</b> , 426-427, 1212-1221	3.5	9
8	Influence of Cr-Rich Oxide Scale on Sliding Wear Mechanism of Ferritic Stainless Steel at High Temperature. <i>Tribology Letters</i> , <b>2016</b> , 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> , <b>2016</b> , 47, 5195-5202	2.3	6
6	Effects of surface preparation on tribological behaviour of a ferritic stainless steel in hot rolling. <i>Wear</i> , <b>2017</b> , 376-377, 1804-1813	3.5	5
5	Degradation of ferritic stainless steels at 1200 °C in air. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , <b>2018</b> , 69, 63-75	1.6	5
4	Influences of Load and Microstructure on Tribocorrosion Behaviour of High Strength Hull Steel in Saline Solution. <i>Tribology Letters</i> , <b>2019</b> , 67, 1	2.8	4

3	Analysis of oxide scale deformation and surface roughness characterisation in hot rolling of stainless steels. <i>International Journal of Surface Science and Engineering</i> , <b>2017</b> , 11, 241	1	3
2	Effects of oxide scale on hot rolling of an austenitic stainless steel. <i>International Journal of Surface Science and Engineering</i> , <b>2014</b> , 8, 173	1	3
1	High Temperature Oxidation of Indefinite Chill Roll Material Under Dry and Humid Atmospheres. <i>Steel Research International</i> , <b>2016</b> , 87, 349-358	1.6	2