

Mats Norell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2368591/publications.pdf>

Version: 2024-02-01

32
papers

1,046
citations

623734

14
h-index

414414

32
g-index

33
all docs

33
docs citations

33
times ranked

840
citing authors

#	ARTICLE	IF	CITATIONS
1	Title is missing!. Oxidation of Metals, 2000, 54, 11-26.	2.1	262
2	Title is missing!. Oxidation of Metals, 1999, 52, 95-111.	2.1	243
3	Grain boundary microstructure and fatigue crack growth in Allvac 718Plus superalloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 2570-2580.	5.6	62
4	Characterization of surface oxides on water-atomized steel powder by XPS/AES depth profiling and nano-scale lateral surface analysis. Applied Surface Science, 2013, 268, 496-506.	6.1	56
5	Surface oxidation behavior of Ti-6Al-4V manufactured by Electron Beam Melting (EBM®). Journal of Manufacturing Processes, 2015, 17, 120-126.	5.9	50
6	High Temperature Corrosion of Cast Alloys in Exhaust Environments I-Ductile Cast Irons. Oxidation of Metals, 2008, 69, 13-36.	2.1	40
7	A Microstructural and Kinetic Investigation of the KCl-Induced Corrosion of an FeCrAl Alloy at 600°C. Oxidation of Metals, 2015, 84, 105-127.	2.1	40
8	Influence of running-in on surface characteristics of efficiency tested ground gears. Tribology International, 2017, 115, 45-58.	5.9	30
9	Surface characterisation of fine inert gas and water atomised stainless steel 316L powders: formation of thermodynamically unstable surface oxide phases. Powder Metallurgy, 2013, 56, 158-163.	1.7	23
10	AES characterization of oxide grains formed on ductile cast irons in exhaust environments. Surface and Interface Analysis, 2002, 34, 535-539.	1.8	22
11	Surface studies of powder metallurgical stainless steel. Surface and Interface Analysis, 1992, 19, 607-614.	1.8	19
12	Thickness determination of surface oxides on metal powder by AES depth profiling. Surface and Interface Analysis, 1992, 19, 71-76.	1.8	18
13	Role of Nitrogen Uptake During the Oxidation of 304L and 904L Austenitic Stainless Steels. Oxidation of Metals, 2013, 80, 479-491.	2.1	16
14	High Temperature Corrosion of Cast Alloys in Exhaust Environments. II-Cast Stainless Steels. Oxidation of Metals, 2008, 69, 37-62.	2.1	14
15	Analysis of wear debris in rolling contact fatigue cracks of pearlitic railway wheels. Wear, 2014, 314, 51-56.	3.1	14
16	Scanning Auger electron spectroscopy study of the oxide film formed on dendritic and interdendritic regions of C containing Fe ₃ Al intermetallic. Corrosion Science, 2003, 45, 2717-2728.	6.6	13
17	Nitride precipitation during high temperature corrosion of ductile cast irons in synthetic exhaust gases. Journal of Physics and Chemistry of Solids, 2005, 66, 530-534.	4.0	13
18	Mitigation of Fireside Corrosion in Power Plants: The Combined Effect of Sulfur Dioxide and Potassium Chloride on the Corrosion of a FeCrAl Alloy. Energy & Fuels, 2014, 28, 6116-6129.	5.1	13

#	ARTICLE	IF	CITATIONS
19	Thermal decomposition of N-expanded austenite in 304L and 904L steels. <i>Surface Engineering</i> , 2017, 33, 319-326.	2.2	13
20	Effect of Running-In (Load and Speed) on Surface Characteristics of Honed Gears. <i>Tribology Transactions</i> , 2019, 62, 412-418.	2.0	13
21	High-Temperature Corrosion of Cast Irons and Cast Steels in Dry Air. <i>Materials Science Forum</i> , 2001, 369-372, 197-204.	0.3	12
22	The Initial Oxide Scale Development on a Model FeNiCrAl Alloy at 900°C in Dry and Humid Atmosphere: A Detailed Investigation. <i>Oxidation of Metals</i> , 2014, 82, 225-247.	2.1	10
23	Corrosion of stainless steels in simulated diesel exhaust environment with urea. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2012, 63, 388-395.	1.5	9
24	Field test of superheater corrosion in a CFB waste boiler: Part II - Scale formation characteristics. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2005, 56, 550-560.	1.5	7
25	Study of Al-Nb interface by spectroscopy of reflected electrons. <i>Journal of Applied Physics</i> , 2007, 101, 064912.	2.5	7
26	Corrosion at the urea injection in SCR system during component test. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2013, 64, 34-42.	1.5	6
27	Influence of KCl Deposit Morphology on Corrosion of Austenitic Alloys at 500°C. <i>Materials Science Forum</i> , 2004, 461-464, 1015-1022.	0.3	5
28	Structural investigations of superconducting multilayers consisting of semiconducting materials. <i>Low Temperature Physics</i> , 2001, 27, 93-95.	0.6	4
29	Field test of superheater corrosion in a CFB waste boiler: Part I - Metal loss characteristics. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2005, 56, 449-458.	1.5	4
30	Multi-technique characterization of low-temperature plasma nitrided austenitic AISI 304L and AISI 904L stainless steel. <i>Surface and Interface Analysis</i> , 2014, 46, 856-860.	1.8	4
31	Effect of temperature gradient and sulfur dioxide addition on erosion/corrosion of iron- and nickel-based alloys. <i>Materials at High Temperatures</i> , 2008, 25, 1-16.	1.0	1
32	Scale Growth on Austenitic Alloys under KCl Deposits at 500°C. <i>Materials Science Forum</i> , 0, 595-598, 333-342.	0.3	1