

Kristian Vinter Dahl

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3606149/publications.pdf>

Version: 2024-02-01

34
papers

466
citations

759055

12
h-index

713332

21
g-index

34
all docs

34
docs citations

34
times ranked

335
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetics of interstitial uptake during gaseous carbo-oxidizing of titanium foils. <i>Thermochimica Acta</i> , 2021, 703, 178991.	1.2	3
2	Diffraction based identification of an elusive FCC phase in carbo-oxidized titanium. <i>Materials Characterization</i> , 2021, 180, 111435.	1.9	0
3	Synchrotron X-ray diffraction investigation of the effect of cryogenic treatment on the microstructure of Ti-6Al-4V. <i>Applied Surface Science</i> , 2020, 502, 144087.	3.1	7
4	High Temperature Solution Nitriding of Stainless Steels; Current Status and Future Trends. <i>HTM - Journal of Heat Treatment and Materials</i> , 2020, 75, 69-82.	0.1	15
5	Effect of service exposure on KCl corrosion attack of AISI 347H FG steel. <i>Journal of Materials Science</i> , 2019, 54, 13787-13809.	1.7	8
6	Corrosion behaviour of Ni and nickel aluminide coatings exposed in a biomass fired power plant for two years. <i>Surface and Coatings Technology</i> , 2019, 362, 355-365.	2.2	23
7	Nitridation of grate in a biomass-fired boiler. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 1461-1475.	0.8	0
8	3D X-ray computerized tomography of White Etching Cracks (WEC). <i>Materials Characterization</i> , 2019, 150, 78-87.	1.9	12
9	KCl-induced corrosion of Ni-based alloys containing 35-45 wt% Cr. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 1486-1506.	0.8	6
10	Corrosion of welds in biomass power plants. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2019, 70, 585-592.	0.8	2
11	Danish Experiences in Biomass Corrosion and Recent Areas of Research. <i>Corrosion</i> , 2019, 75, 358-366.	0.5	3
12	Probing the Chemistry of Adhesion between a 316L Substrate and Spin-on-Glass Coating. <i>Langmuir</i> , 2018, 34, 3170-3176.	1.6	2
13	Effects of Different Fuel Specifications and Operation Conditions on the Performance of Coated and Uncoated Superheater Tubes in Two Different Biomass-Fired Boilers. <i>ACS Applied Energy Materials</i> , 2018, 1, 1463-1475.	2.5	11
14	Effect of microstructure on KCl corrosion attack of modified AISI 310 steel. <i>Materials at High Temperatures</i> , 2018, 35, 243-254.	0.5	13
15	Microstructural investigations of Ni and Ni ₂ Al ₃ coatings exposed in biomass power plants. <i>Materials at High Temperatures</i> , 2018, 35, 255-266.	0.5	10
16	Characterization of pack cemented Ni ₂ Al ₃ coating exposed to KCl(s) induced corrosion at 600°C. <i>Materials at High Temperatures</i> , 2018, 35, 267-274.	0.5	7
17	Multiscale characterization of White Etching Cracks (WEC) in a 100Cr6 bearing from a thrust bearing test rig. <i>Wear</i> , 2017, 370-371, 73-82.	1.5	44
18	Application of aluminum diffusion coatings to mitigate the KCl-induced high-temperature corrosion. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2017, 68, 82-94.	0.8	11

#	ARTICLE	IF	CITATIONS
19	Hard Surface Layers by Pack Boriding and Gaseous Thermo-Reactive Deposition and Diffusion Treatments. <i>Materials Performance and Characterization</i> , 2017, 6, 475-491.	0.2	6
20	New strategy for testing new high nitrogen bearing steel for offshore wind turbines. <i>Wind Engineering</i> , 2016, 40, 426-430.	1.1	2
21	Low-Temperature Nitriding of Deformed Austenitic Stainless Steels with Various Nitrogen Contents Obtained by Prior High-Temperature Solution Nitriding. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 4146-4159.	1.1	23
22	KCl-induced high temperature corrosion of selected commercial alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2016, 67, 26-38.	0.8	21
23	New Stainless Steel Alloys for Low Temperature Surface Hardening?. <i>BHM-Zeitschrift Fuer Rohstoffe Geotechnik Metallurgie Werkstoffe Maschinen-Und Anlagentechnik</i> , 2015, 160, 406-412.	0.4	5
24	KCl-induced high temperature corrosion of selected commercial alloys. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2015, 66, 1414-1429.	0.8	31
25	Microstructural investigations of pure nickel exposed to KCl induced high temperature corrosion. <i>Materials at High Temperatures</i> , 2015, 32, 44-49.	0.5	8
26	Microstructure of Precipitation Hardenable Powder Metallurgical Ni Alloys Containing 35 to 45% Cr and 3.5 to 6% Nb. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 4796-4809.	1.1	4
27	Investigation on long-term creep rupture properties and microstructure stability of Fe-Ni based alloy Ni-23Cr-7W at 700°C. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 565, 285-291.	2.6	40
28	Identification of Precipitates in an IN792 Gas Turbine Blade after Service Exposure. <i>Praktische Metallographie/Practical Metallography</i> , 2013, 50, 432-450.	0.1	4
29	Application of Complementary Techniques for Advanced Characterization of White Etching Cracks. <i>Praktische Metallographie/Practical Metallography</i> , 2013, 50, 410-431.	0.1	28
30	Modelling Cr depletion under a growing Cr ₂ O ₃ layer on austenitic stainless steel: the influence of grain boundary diffusion. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2009, 17, 035009.	0.8	17
31	Thermodynamic and kinetic modelling: Creep resistant materials. <i>Materials Science and Technology</i> , 2008, 24, 149-158.	0.8	20
32	Nitrogen diffusion and nitrogen depth profiles in expanded austenite: Experimental assessment, numerical simulation and role of stress. <i>Materials Science and Technology</i> , 2008, 24, 159-167.	0.8	68
33	Grey-scale conversion X-ray mapping by EDS of multielement and multiphase layered microstructures. <i>Journal of Microscopy</i> , 2007, 225, 31-40.	0.8	5
34	Estimation of metal temperature of MCrAlY coated IN738 components based on interdiffusion behaviour. <i>Energy Materials</i> , 2006, 1, 106-115.	0.1	7