

Journal Information

Journal Title	Oxidation of Metals
Publisher	Springer
ISSN	0030-770X
E-ISSN	1573-4889
Database	SCOPUS
Domain	Physical Sciences

Classification History

Year	A+	A	B	C
2026				
2025			✓	
2024			✓	
2023		✓	✓	
2021/2022		✓	✓	
2020		✓	✓	
2019		✓	✓	
2018		✓		

Classification: The table above shows all journal classifications recorded for each classification year in the Green Journals database. A journal may have more than one classification in the same year.

Recent Articles

Exploring Material Solutions for Supercritical CO2 Applications above 800 °C 2022-10-28 Vol. 98 Issue 5-6 Pages 545-559 Authors: B. A. Pint, J. R. Keiser DOI: 10.1007/s11085-022-10134-2
High-Temperature Oxidation Behaviour of a TiAl-Based Alloy Subjected to Aluminium Hot-Dipping 2022-10-27 Vol. 98 Issue 5-6 Pages 529-543 Authors: D. Pilone, A. Mondal, L. Zortea DOI: 10.1007/s11085-022-10137-z
Effect of Temperature Gradient in Ash on High-Temperature Corrosion of Super-Heater Material in a Waste Power Generation Boiler 2022-10-26 Vol. 98 Issue 5-6 Pages 511-528 Authors: T. Furugaki, H. Takahashi, S. Hayashi DOI: 10.1007/s11085-022-10135-1
Characterization of the High-Temperature Oxidation Behavior of Inconel 625® Fabricated by Additive Manufacturing and Conventional Methods 2022-10-19 Vol. 98 Issue 5-6 Pages 489-510 Authors: Karen Y. Pineda-Arriaga, Javier H. Ramírez-Ramírez, Francisco A. Pérez-González et al. DOI: 10.1007/s11085-022-10136-0

Oxidation of Ferrous Alloys and Coatings Under Isothermal, Impulse Heating, and Diesel Engine Operation: Part II—MCrAlY Coatings for Protection of 4140 Steel

2022-10-5 Vol. 98 Issue 5-6 Pages 471-488

Authors: Felipe Caliri, John Saputo, Eric Gingrich et al.

DOI: 10.1007/s11085-022-10132-4

Role of Si in the Oxide Nucleation and Growth Mechanisms of 60Si2Mn Spring Steel: Experimental and First-Principles Study

2022-10-3 Vol. 98 Issue 5-6 Pages 451-470

Authors: Hua Li, Xianming Zhao

DOI: 10.1007/s11085-022-10131-5

Predicting Oxidation Behavior of Multi-Principal Element Alloys by Machine Learning Methods

2022-9-27 Vol. 98 Issue 5-6 Pages 429-450

Authors: Jose A. Loli, Amish R. Chovatiya, Yining He et al.

DOI: 10.1007/s11085-022-10129-z

Influence of Yttrium Doping on the Oxidation of Mo(Si,Al)₂ in Air at 1500 °C

2022-9-10 Vol. 98 Issue 5-6 Pages 415-427

Authors: Aina Edgren, Lars-Gunnar Johansson, Erik Ström et al.

DOI: 10.1007/s11085-022-10130-6

In Situ Oxidation in Ni-Based Single-Crystal Superalloys with Varying Re Contents Observed by Environmental Transmission Electron Microscopy

2022-8-29 Vol. 98 Issue 3-4 Pages 399-414

Authors: Yanhui Chen, Shihang Qiao, Yunsong Zhao et al.

DOI: 10.1007/s11085-022-10128-0

The Effect of APS-HVOF Bond Coating Thickness Ratio on TBC Furnace Cycle Lifetime

2022-8-13 Vol. 98 Issue 3-4 Pages 385-397

Authors: M. J. Lance, K. A. Kane, B. A. Pint

DOI: 10.1007/s11085-022-10127-1