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Journal Information

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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

Flat-top femtosecond laser modification enhances chemical mechanical polishing of 4H-SiC through progressive removal of laser-induced periodic surface structures (LIPSS)
2026-11 Vol. 45 Pages 1375-1391
Authors: Qingfa Peng, Gaopan Chen, Jie Hu et al.
DOI: 10.1016/j.jmrt.2026.09.070

Solute plume formation and dendrite selection under natural convection during directional solidification of superalloy: Large-scale quantitative phase-field study
2026-11 Vol. 45 Pages 2039-2053
Authors: Weiye Hao, Tongzhao Gong, Yun Chen et al.
DOI: 10.1016/j.jmrt.2026.09.217

Densification and mechanical response of cold-sintered hydroxyapatite with phosphoric-acid as a transient liquid phase
2026-11 Vol. 45 Pages 1808-1818
Authors: Derick Horrana de Souza da Trindade, Ary Machado de Azevedo, Marcelo Henrique Prado da Silva et al.
DOI: 10.1016/j.jmrt.2026.09.158

Cr-driven σ-phase formation and microstructural evolutions in TIG-cladded Fe2CoCrxNiMo0.7 high-entropy alloys
2026-11 Vol. 45 Pages 4242-4254
Authors: Sina Ghiasi, Faezeh Semnani, Farzin Ghadami et al.
DOI: 10.1016/j.jmrt.2026.10.082

Integrated mechanical, interfacial, fatigue, tribological, and thermal performance of fly ash-filled hybrid jute–banana fibre reinforced epoxy composites for sustainable engineering applications
2026-11 Vol. 45 Pages 279-291
Authors: Praveena Bindiganavile Anand, Santhosh Nagaraja, Ahmed Shakir Al-Hiti et al.
DOI: 10.1016/j.jmrt.2026.09.030

Enhancing the wear and corrosion resistance of AlCoCrFeNiNb(TiC) high-entropy alloy coatings via water-cooled substrate
2026-11 Vol. 45 Pages 3315-3323
Authors: Zengliang Hao, Xiaowei Bi, Qiang Li et al.
DOI: 10.1016/j.jmrt.2026.09.243

Mechanical property inhomogeneity and temperature effects in thick titanium alloy plates
2026-11 Vol. 45 Pages 552-561
Authors: Qizhen Ren, Guohao Qin, Youjun Xiao et al.
DOI: 10.1016/j.jmrt.2026.09.092

Monte Carlo-copula data augmentation with mechanics-based screening for prediction of the torsional capacity of UHPC beams
2026-11 Vol. 45 Pages 3914-3930
Authors: Yassir M. Abbas
DOI: 10.1016/j.jmrt.2026.10.052

Softening mechanism and fatigue performance analysis of heat affected zone in welding of microalloyed submarine flexible pipes
2026-11 Vol. 45 Pages 3204-3221
Authors: Lei Wang, Haolong Zhu, Xiaobin Jiang et al.
DOI: 10.1016/j.jmrt.2026.10.005

A review of corrosion mechanisms, passive film dynamics, and material design strategies for stainless steels in seawater environments
2026-11 Vol. 45 Pages 3222-3273
Authors: Hong-Yuan Chen, Jing-Yu Liu, Hong-Yu Yang et al.
DOI: 10.1016/j.jmrt.2026.09.183