

Jian Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of B addition on the microstructure and corrosion resistance of S31254 super austenitic stainless steels after solid solution treatment. <i>Materials Letters</i> , 2019, 252, 60-63.	2.6	30
2	Effect of Boron Addition on the Precipitation Behavior of S31254. <i>Metals</i> , 2018, 8, 497.	2.3	23
3	Chi Phase after Short-term Aging and Corrosion Behavior in 2205 Duplex Stainless Steel. <i>Journal of Iron and Steel Research International</i> , 2016, 23, 1071-1079.	2.8	19
4	Effects of B on the segregation of Mo at the Fe-Cr-Ni $\sqrt{5}$ (210) grain boundary. <i>Physica B: Condensed Matter</i> , 2019, 568, 25-30.	2.7	16
5	Effect of boron on dissolution and repairing behavior of passive film on S31254 super-austenitic stainless steel immersed in H ₂ SO ₄ solution. <i>Journal of Iron and Steel Research International</i> , 2022, 29, 1012-1025.	2.8	15
6	The Mechanism on the B Addition to Regulate Phase Precipitation and Improve Intergranular Corrosion Resistance in UNS S31254 Superaustenitic Stainless Steels. <i>Journal of the Electrochemical Society</i> , 2019, 166, C600-C608.	2.9	14
7	The precipitation control of grain boundary M ₂₃ C ₆ phases and the ductility improvement in aged 22Cr-25Ni-WCuNbN austenitic stainless steel by Co addition. <i>Materials Letters</i> , 2020, 264, 127348.	2.6	13
8	Effect of Solution Treatment on the Microstructure and Performance of S31254 Super Austenitic Stainless Steel. <i>Steel Research International</i> , 2019, 90, 1900041.	1.8	8
9	Effects of B on the Segregation Behavior of Mo at the Fe α -Cr(111)/Cr ₂ O ₃ (0001) Interface: A First-Principles Study. <i>Metals</i> , 2020, 10, 577.	2.3	6
10	Corrosion Behavior Difference in Initial Period for Hot-Rolled and Cold-Rolled 2205 Duplex Stainless Steels. <i>Metals</i> , 2018, 8, 407.	2.3	5
11	Composition Optimum Design and Strengthening and Toughening Mechanisms of New Alumina-Forming Austenitic Heat-Resistant Steels. <i>Metals</i> , 2019, 9, 921.	2.3	5
12	The Effects of Co and W on Structural Stability and Mechanical Properties of Austenitic Heat-Resistant Steel Sanicro 25: A First-Principle Study. <i>Metals</i> , 2020, 10, 1051.	2.3	3
13	First-principles study of boron segregation in fcc-Fe grain boundaries and its influence on interface adhesive strength. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2021, 70, 166401.	0.5	3
14	Effect of titanium addition on the oxidation resistance of Fe α -13Cr-5Al-0.3Ti alloy in air between 700 $\text{Å}^\circ\text{C}$ –1100 $\text{Å}^\circ\text{C}$. <i>Materials Research Express</i> , 2021, 8, 046525.	1.6	1