

Wanyuan Gui

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Ti-40Al-10Nb-10Cr Porous Microfiltration Membrane with Hierarchical Pore Structure for Particulate Matter Capturing from High-Temperature Flue Gas. <i>Membranes</i> , 2022, 12, 104.	3.0	0
2	Fluorine Effect for Improving Oxidation Resistance of Ti-45Al-8.5Nb Alloy at 1000 Å°C. <i>Materials</i> , 2022, 15, 2767.	2.9	2
3	Laser-clad Inconel 625 coatings on Q245R structure steel: microstructure, wear and corrosion resistance. <i>Npj Materials Degradation</i> , 2022, 6, .	5.8	15
4	Effects of WC on the Microstructure, Wear and Corrosion Resistance of Laser-Deposited CoCrFeNi High Entropy Alloy Coatings. <i>Coatings</i> , 2022, 12, 985.	2.6	11
5	High efficiency hierarchical porous composite microfiltration membrane for high-temperature particulate matter capturing. <i>Npj Materials Degradation</i> , 2021, 5, .	5.8	15
6	FeAl/Al ₂ O ₃ porous composite microfiltration membrane for highly efficiency high-temperature particulate matter capturing. <i>Journal of Porous Materials</i> , 2021, 28, 955-961.	2.6	4
7	Cathode electrolytic plasma deposition of (Al _{0.9} Cr _{0.1}) ₂ O ₃ /Al ₂ O ₃ composite coatings onto Ti45Al8.5Nb0.1Y0.2W alloys for high-temperature applications. <i>Materialia</i> , 2021, 15, 101002.	2.7	7
8	A new microfiltration membrane with three-dimensional reticular architecture for Nano-pollutants removal from wastewater. <i>Progress in Natural Science: Materials International</i> , 2021, 31, 414-414.	4.4	10
9	Effects of W Alloying on the Lattice Distortion and Wear Behavior of Laser Cladding AlCoCrFeNiWx High-Entropy Alloy Coatings. <i>Materials</i> , 2021, 14, 5450.	2.9	9
10	Slow-Growing Titanium Dioxide on Ti-48Al Porous Alloy Mediated by Nb and Cr Addition: Perspective via Local Metal-Oxygen Bonding Strength. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 1558-1566.	2.5	2
11	A two-step strategy for high-efficiency fluorescent dye removal from wastewater. <i>Npj Clean Water</i> , 2019, 2, .	8.0	10
12	Effects of nano-NiO addition on the microstructure and corrosion properties of high Nb-TiAl alloy. <i>Journal of Alloys and Compounds</i> , 2019, 782, 973-980.	5.5	11
13	Micro-/Nano-Dual-Scale Porous Composite Membranes for the Separation of Nanopollutants from Water. <i>ACS Applied Nano Materials</i> , 2019, 2, 806-811.	5.0	6
14	High Nb-TiAl-based porous composite with hierarchical micro-pore structure for high temperature applications. <i>Journal of Alloys and Compounds</i> , 2018, 744, 463-469.	5.5	29
15	Evolution of Microstructure and Microsegregation of Ti-45Al-8Nb Alloy during Directional Solidification. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-9.	1.8	2
16	Surface Modification of Q195 Structure Carbon Steel by Electrolytic Plasma Processing. <i>Metals</i> , 2018, 8, 831.	2.3	0
17	Surface modification of Ti-45Al-8.5Nb alloys by microarc oxidation to improve high-temperature oxidation resistance. <i>Progress in Natural Science: Materials International</i> , 2018, 28, 386-390.	4.4	15
18	Effect of Electrolytic Plasma Processing on the Removal of Surface Scale for Fe6.5Si Alloy. <i>ChemistrySelect</i> , 2017, 2, 1158-1162.	1.5	2

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19	Electrolytic plasma processing-an innovative treatment for surface modification of 304 stainless steel. Scientific Reports, 2017, 7, 308.	3.3	10
20	Microstructure and microsegregation of directionally solidified Ti-45Al-8Nb alloy with different solidification rates. Rare Metals, 2016, 35, 70-76.	7.1	5
21	Advances in phase relationship for high Nb-containing TiAl alloys. Rare Metals, 2016, 35, 15-25.	7.1	27
22	Surface modification by electrolytic plasma processing for high Nb-TiAl alloys. Applied Surface Science, 2016, 389, 1161-1168.	6.1	16
23	Light-Triggered Drug Release Platform Based on Superhydrophobicity of Mesoporous Silica Nanoparticles. Nanoscience and Nanotechnology Letters, 2016, 8, 428-433.	0.4	5
24	Phase transformation in Ti-48Al-6Nb porous alloys and its influence on pore properties. Materials and Design, 2015, 83, 508-513.	7.0	22
25	Dual-Cargo Selectively Controlled Release Based on a pH-Responsive Mesoporous Silica System. ChemPhysChem, 2015, 16, 607-613.	2.1	8
26	High-temperature oxidation resistance of (Al ₂ O ₃ -Y ₂ O ₃)/(Y ₂ O ₃ -stabilized ZrO ₂) laminated coating on 8Nb-TiAl alloy prepared by a novel spray pyrolysis. Corrosion Science, 2014, 80, 19-27.	6.6	40
27	Pore structure and gas permeability of high Nb-containing TiAl porous alloys by elemental powder metallurgy for microfiltration application. Intermetallics, 2013, 33, 2-7.	3.9	42