Wanyuan Gui

List of Publications by Year
in descending order

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27	325	933447	888059
papers	citations	10	17
		h-index	g-index

27	27	27	224
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	High-temperature oxidation resistance of (Al2O3â€“Y2O3)/(Y2O3-stabilized ZrO2) laminated coating on 8Nbâ€“TiAl alloy prepared by a novel spray pyrolysis. Corrosion Science, 2014, 80, 19-27.	6.6	40
3	High Nb-TiAl-based porous composite with hierarchical micro-pore structure for high temperature applications. Journal of Alloys and Compounds, 2018, 744, 463-469.	5.5	29
4	Advances in phase relationship for high Nb-containing TiAl alloys. Rare Metals, 2016, 35, 15-25.	7.1	27
5	Phase transformation in Tiâ€“48Alâ€“6Nb porous alloys and its influence on pore properties. Materials and Design, 2015, 83, 508-513.	7.0	22
6	Surface modification by electrolytic plasma processing for high Nb-TiAl alloys. Applied Surface Science, 2016, 389, 1161-1168.	6.1	16
7	Surface modification of Ti-45Al-8.5â€¯Nb alloys by microarc oxidation to improve high-temperature oxidation resistance. Progress in Natural Science: Materials International, 2018, 28, 386-390.	4.4	15
8	High efficiency hierarchical porous composite microfiltration membrane for high-temperature particulate matter capturing. Npj Materials Degradation, 2021, 5, .	5.8	15
9	Laser-clad Inconel 625 coatings on Q245R structure steel: microstructure, wear and corrosion resistance. Npj Materials Degradation, 2022, 6, .	5.8	15
10	Effects of nano-NiO addition on the microstructure and corrosion properties of high Nb-TiAl alloy. Journal of Alloys and Compounds, 2019, 782, 973-980.	5.5	11
11	Effects of WC on the Microstructure, Wear and Corrosion Resistance of Laser-Deposited CoCrFeNi High Entropy Alloy Coatings. Coatings, 2022, 12, 985.	2.6	11
12	Electrolytic plasma processing-an innovative treatment for surface modification of 304 stainless steel. Scientific Reports, 2017, 7, 308.	3.3	10
13	A two-step strategy for high-efficiency fluorescent dye removal from wastewater. Npj Clean Water, 2019, 2, .	8.0	10
14	A new microfiltration membrane with three-dimensional reticular architecture for Nano-pollutants removal from wastewater. Progress in Natural Science: Materials International, 2021, 31, 414-414.	4.4	10
15	Effects of W Alloying on the Lattice Distortion and Wear Behavior of Laser Cladding AlCoCrFeNiWx High-Entropy Alloy Coatings. Materials, 2021, 14, 5450.	2.9	9
16	Dualâ€Cargo Selectively Controlled Release Based on a pHâ€Responsive Mesoporous Silica System. ChemPhysChem, 2015, 16, 607-613.	2.1	8
17	Cathode electrolytic plasma deposition of (Al0.9Cr0.1)2O3/Î³-Al2O3 composite coatings onto Ti45Al8.5Nb0.1Y0.2W alloys for high-temperature applications. Materialia, 2021, 15, 101002.	2.7	7
18	Micro-/Nano-Dual-Scale Porous Composite Membranes for the Separation of Nanopollutants from Water. ACS Applied Nano Materials, 2019, 2, 806-811.	5.0	6

#	Article	IF	Citations
19	Microstructure and microsegregation of directionally solidified Tiâ€“45Alâ€“8Nb alloy with different solidification rates. Rare Metals, 2016, 35, 70-76.	7.1	5
20	Light-Triggered Drug Release Platform Based on Superhydrophobicity of Mesoporous Silica Nanoparticles. Nanoscience and Nanotechnology Letters, 2016, 8, 428-433.	0.4	5
21	FeAl/Al2O3 porous composite microfiltration membrane for highly efficiency highâ€temperature particulate matter capturing. Journal of Porous Materials, 2021, 28, 955-961.	2.6	4
22	Effect of Electrolytic Plasma Processing on the Removal of Surface Scale for Fe6.5Si Alloy. ChemistrySelect, 2017, 2, 1158-1162.	1.5	2
23	Evolution of Microstructure and Microsegregation of Ti-45Al-8Nb Alloy during Directional Solidification. Advances in Materials Science and Engineering, 2018, 2018, 1-9.	1.8	2
24	Slow-Growing Titanium Dioxide on Ti-48Al Porous Alloy Mediated by Nb and Cr Addition: Perspective via Local Metalâ€“Oxygen Bonding Strength. Journal of Materials Engineering and Performance, 2020, 29, 1558-1566.	2.5	2
25	Fluorine Effect for Improving Oxidation Resistance of Ti-45Al-8.5Nb Alloy at 1000 Â°C. Materials, 2022, 15, 2767.	2.9	2
26	Surface Modification of Q195 Structure Carbon Steel by Electrolytic Plasma Processing. Metals, 2018, 8, 831.	2.3	0
27	Ti-40Al-10Nb-10Cr Porous Microfiltration Membrane with Hierarchical Pore Structure for Particulate Matter Capturing from High-Temperature Flue Gas. Membranes, 2022, 12, 104.	3.0	0