Xuewei Tao

List of Publications by Year
in descending order

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27	287	933447	940533
papers	citations	10 h-index	16 g-index

27	27	27	210
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation on microstructure, mechanical and tribological properties of in-situ (TiBâ€¯+â€¯TiC)/Ti composite during the electron beam surface melting. Surface and Coatings Technology, 2018, 337, 418-425.	4.8	37
2	Comparison of tribological and corrosion behaviors of Cp Ti coated with the TiO2/graphite coating and nitrided TiO2/graphite coating. Journal of Alloys and Compounds, 2017, 718, 126-133.	5.5	27
3	Reconstruction and refinement of TiB whiskers in titanium matrix composite after electron beam remelting. Materials Letters, 2018, 225, 13-16.	2.6	27
4	In-situ reaction synthesis of composite coating on titanium alloy for improving high temperature oxidation resistance. Journal of Alloys and Compounds, 2017, 729, 970-977.	5.5	23
5	Facile synthesis of ZIF-67 derived dodecahedral C/NiCO₂S₄ with broadband microwave absorption performance. Nanoscale, 2022, 14, 10375-10388.	5.6	21
6	Nanocrystalline Ni coating prepared by a novel electrodeposition. Journal of Alloys and Compounds, 2020, 830, 153785.	5.5	20
7	Ca-modified Alâ€“Mgâ€“Sc alloy with high strength at elevated temperatures due to a hierarchical microstructure. Journal of Materials Science, 2021, 56, 16145-16157.	3.7	15
8	Role of trace boron in the microstructure modification and the anisotropy of mechanical and wear properties of the Ti6Al4V alloy produced by electron beam freeform fabrication. Vacuum, 2020, 172, 109053.	3.5	13
9	Effect of beam power on the distribution statues of aligned TiBw and tensile behavior of trace boron-modified Ti6Al4V alloy produced by electron beam freeform fabrication. Vacuum, 2020, 172, 109070.	3.5	13
10	Developing Cu modified Ti6Al4V alloys with a combination of high strength and ductility by electron beam freeform fabrication. Vacuum, 2021, 194, 110638.	3.5	11
11	Correlation Between Heat-Treated Microstructure and Mechanical and Fretting Wear Behavior of Electron Beam Freeform-Fabricated Ti6Al4V Alloy. Jom, 2019, 71, 2313-2320.	1.9	10
12	Oxidation behaviors and self-healing performance of MoSiAlY coating on Î³-TiAl substrate by a surface alloying method. Vacuum, 2019, 165, 148-156.	3.5	9
13	Ultra-low-power preparation of multilayer nanocrystalline Ni Co binary alloy coating by electrochemical additive manufacturing. Surface and Coatings Technology, 2020, 403, 126404.	4.8	9
14	Investigation on Microstructure, Hardness and Wear Resistance of Electron Beam Wire-Feeding Deposited Inconel 718 Alloy Coatings. Metals and Materials International, 2021, 27, 1263-1272.	3.4	8
15	Effect of deposition modes on electron beam directed energy deposited inconel 718. Materials Science and Technology, 2020, 36, 1556-1565.	1.6	7
16	TRIBOLOGICAL BEHAVIOR OF Alâ€“Cr COATING OBTAINED BY DGPSM AND IIP COMPOSITE TECHNOLOGY. Surface Review and Letters, 2017, 24, 1750091.	1.1	5
17	Microstructure and Tribology Performance of Plasma-Clad Intermetallic-Reinforced CoCrFeMnNi-Based High-Entropy Alloy Composite Coatings. Tribology Transactions, 2021, 64, 264-274.	2.0	5
18	Preparation of a nanocrystalline Ni coating by droplet contact electrodeposition. Materials Research Express, 2019, 6, 106411.	1.6	4

#	Article	IF	Citations
19	Alleviating plastic anisotropy of boron modified titanium alloy by constructing layered structure via electron beam directed energy deposition. Additive Manufacturing, 2022, 50, 102561.	3.0	4
20	The formation mechanism and wear behavior of TiC + Ti₃SiC₂ + Ti₅Si₃ reinforced Ti6Al4V with network microstructure fabricated by electron beam melting. Materials Research Express, 2019, 6, 0965c3.	1.6	3
21	Anticorrosion performance of Zn-Al-Gr/waterborne epoxy composite coatings on mild steel. Materials Research Express, 2019, 6, 0950a8.	1.6	3
22	The effect of B doping on the oxidation resistance of Ti6Al4V by EBF3. Corrosion Science, 2020, 173, 108766.	6.6	3
23	Exploration of tribocorrosion behavior of Fe-based amorphous coating in simulated seawater. Journal of Adhesion Science and Technology, 2023, 37, 997-1009.	2.6	3
24	INNOVATIVE METHOD FOR PREPARATION OF Feâ€“Alâ€“Cr INTERMETALLIC FUNCTIONALLY GRADED MATERIAL ON 1045 STEEL WITH UNIQUE TRIBOLOGICAL PROPERTIES. Surface Review and Letters, 2019, 26, 1850221.	1.1	2
25	The influence of in-situ composite coating prepared by electron beam cladding on improving durable oxidation resistance. Journal of Alloys and Compounds, 2020, 820, 153303.	5.5	2
26	Dependence of Creep Properties on Aging Treatment in Alâ€“Cuâ€“Mg Alloy. Advanced Engineering Materials, 0, , 2101293.	3.5	2
27	Preparation of Niâ€“Coâ€“Cu Ternary Alloy Coatings by the Lowâ€Cost Electrochemical Additive Manufacturing. Advanced Engineering Materials, 2022, 24, 2100788.	3.5	1