

Yefei Li

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Interfacial characteristics and wear performances of iron matrix composites reinforced with zirconia-toughened alumina ceramic particles. <i>Ceramics International</i> , 2022, 48, 1293-1305.	4.8	16
2	Interfacial characterization and erosive wear performance of zirconia toughened alumina ceramics particles reinforced high chromium white cast irons composites. <i>Tribology International</i> , 2022, 165, 107262.	5.9	27
3	The effect of multi-arc ion plating NiCr coating on interface characterization of ZrO ₂ -Al ₂ O ₃ ceramics reinforced iron-based composites. <i>Vacuum</i> , 2022, 196, 110758.	3.5	10
4	Fabrication and wear property of NiCo coated ZrO ₂ -Al ₂ O ₃ ceramic particles reinforced high manganese steel-based composites. <i>Wear</i> , 2022, 492-493, 204235.	3.1	5
5	Effect of chromium on erosion-corrosion properties of ZrO ₂ -Al ₂ O ₃ particles reinforced Fe-based composites in artificial seawater slurries. <i>Corrosion Science</i> , 2022, 198, 110138.	6.6	12
6	Enhancing interfacial bonding of oxide ceramic particles/high manganese steel-based composites by NiCr alloy coating. <i>Materials Today Communications</i> , 2022, 31, 103257.	1.9	0
7	Elucidation of abrasive wear and slurry erosion behavior of Fe matrix composites reinforced with metallic coating modified ZTAP ceramics. <i>Composite Interfaces</i> , 2022, 29, 877-897.	2.3	1
8	Interfacial bonding and abrasive wear behaviours of the iron matrix composites. <i>Materials Science and Technology</i> , 2022, 38, 965-976.	1.6	1
9	Chemical bonding, thermodynamic stability and mechanical strength of Ni ₃ Ti/±-Al ₂ O ₃ interfaces by first-principles study. <i>Scripta Materialia</i> , 2021, 190, 57-62.	5.2	30
10	First-principles calculation of the adhesion work, fracture toughness and tensile behavior of the Fe/MCs (M=±Nb and Ta) interfaces by two different optimization methods. <i>Chemical Physics</i> , 2021, 547, 111193.	1.9	10
11	A hierarchical high-throughput first principles investigation on the adhesion work, interfacial energy and tensile strength of NiTi ₂ (100)/±-Al ₂ O ₃ (0001) interfaces. <i>Journal of Materials Research and Technology</i> , 2021, 14, 2932-2944.	5.8	10
12	Fatigue-creep behaviors of Ni±Fe based superalloy under various testing conditions. <i>Journal of Materials Research and Technology</i> , 2021, 15, 4694-4701.	5.8	8
13	Investigations of Microstructures and Erosion±Corrosion Performance of Cast Boron-Bearing Stainless Steel. <i>Coatings</i> , 2021, 11, 1553.	2.6	0
14	A comparable study of Fe//MCs (M = Ti, V) interfaces by first-principles method: The chemical bonding, work of adhesion and electronic structures. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 138, 109292.	4.0	18
15	Structural, mechanical, electronic properties of refractory Hf±Al intermetallics from SCAN meta-GGA density functional calculations. <i>Materials Chemistry and Physics</i> , 2020, 254, 123423.	4.0	6
16	Microstructure and mechanical properties of Fe matrix composites reinforced by nickel±chromium double-layer coated ZTAP ceramics. <i>Ceramics International</i> , 2020, 46, 16993-17002.	4.8	16
17	Tribocorrosion Properties of NiCrAlY Coating in Different Corrosive Environments. <i>Materials</i> , 2020, 13, 1864.	2.9	15
18	First-principles calculation on the adhesion strength, fracture mechanism, interfacial bonding of the NiTi (111)/±-Al ₂ O ₃ (0001) interfaces. <i>Materials and Design</i> , 2019, 183, 108119.	7.0	48

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19	Interfacial Bonding and Abrasive Wear Behavior of Iron Matrix Composite Reinforced by Ceramic Particles. <i>Materials</i> , 2019, 12, 3646.	2.9	7
20	Mechanical, tribological and oxidation resistance properties of Ni-based self-lubricating composite coatings at elevated temperature by APS. <i>International Journal of Materials Research</i> , 2018, 109, 858-864.	0.3	1
21	Preparation and Interface Investigation of Fe/Al ₂ O ₃ P Composite Activated by Ni and Ti. <i>Advanced Engineering Materials</i> , 2016, 18, 1913-1920.	3.5	32
22	Role of Grain Boundaries on the Cyclic Steam Oxidation Behaviour of 18-8 Austenitic Stainless Steel. <i>Oxidation of Metals</i> , 2016, 85, 409-424.	2.1	10
23	Effect of crystal orientation on microstructure and properties of bulk Fe ₂ B intermetallic. <i>Journal of Materials Research</i> , 2015, 30, 257-265.	2.6	18
24	Investigations on Microstructures and Three-Body Abrasive Wear Behaviors of Fe-B Cast Alloy Containing Cerium. <i>Tribology Letters</i> , 2015, 58, 1.	2.6	23
25	A Study on the Microstructures and Toughness of Fe-B Cast Alloy Containing Rare Earth. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 626-634.	2.5	20
26	Three-body abrasive wear resistance of iron matrix composites reinforced with ceramic particles. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2014, 228, 3-10.	1.8	26
27	Interface Structure and Wear Behavior of Cr26 Ferrous Matrix Surface Composites Reinforced with CTCP. <i>Tribology Letters</i> , 2014, 54, 15-23.	2.6	19
28	Investigations on Microstructures and Two-body Abrasive Wear Behavior of Fe-B Cast Alloy. <i>Tribology Letters</i> , 2012, 45, 427-435.	2.6	52
29	Three-Body Abrasive Wear Behavior of Low Carbon Fe-B Cast Alloy and Its Microstructures Under Different Casting Process. <i>Tribology Letters</i> , 2011, 42, 67-77.	2.6	35
30	Theoretical calculations on the adhesion, stability, electronic structure, and bonding of Fe/WC interface. <i>Applied Surface Science</i> , 2011, 257, 5671-5678.	6.1	94
31	Three-body abrasive wear behavior of CC/high-Cr WCI composite and its interfacial characteristics. <i>Wear</i> , 2010, 268, 511-518.	3.1	56