

Yefei Li

List of Publications by Year in descending order

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papers

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citations

567281

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31
all docs

31
docs citations

31
times ranked

299
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical calculations on the adhesion, stability, electronic structure, and bonding of Fe/WC interface. Applied Surface Science, 2011, 257, 5671-5678.	6.1	94
2	Three-body abrasive wear behavior of CC/high-Cr WCI composite and its interfacial characteristics. Wear, 2010, 268, 511-518.	3.1	56
3	Investigations on Microstructures and Two-body Abrasive Wear Behavior of Fe-B Cast Alloy. Tribology Letters, 2012, 45, 427-435.	2.6	52
4	First-principles calculation on the adhesion strength, fracture mechanism, interfacial bonding of the NiTi (111)/Al ₂ O ₃ (0001) interfaces. Materials and Design, 2019, 183, 108119.	7.0	48
5	Three-Body Abrasive Wear Behavior of Low Carbon Fe-B Cast Alloy and Its Microstructures Under Different Casting Process. Tribology Letters, 2011, 42, 67-77.	2.6	35
6	Preparation and Interface Investigation of Fe/Al ₂ O ₃ Composite Activated by Ni and Ti. Advanced Engineering Materials, 2016, 18, 1913-1920.	3.5	32
7	Chemical bonding, thermodynamic stability and mechanical strength of Ni ₃ Ti/Al ₂ O ₃ interfaces by first-principles study. Scripta Materialia, 2021, 190, 57-62.	5.2	30
8	Interfacial characterization and erosive wear performance of zirconia toughened alumina ceramics particles reinforced high chromium white cast irons composites. Tribology International, 2022, 165, 107262.	5.9	27
9	Three-body abrasive wear resistance of iron matrix composites reinforced with ceramic particles. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2014, 228, 3-10.	1.8	26
10	Investigations on Microstructures and Three-Body Abrasive Wear Behaviors of Fe-B Cast Alloy Containing Cerium. Tribology Letters, 2015, 58, 1.	2.6	23
11	A Study on the Microstructures and Toughness of Fe-B Cast Alloy Containing Rare Earth. Journal of Materials Engineering and Performance, 2015, 24, 626-634.	2.5	20
12	Interface Structure and Wear Behavior of Cr ₂₆ Ferrous Matrix Surface Composites Reinforced with CTCP. Tribology Letters, 2014, 54, 15-23.	2.6	19
13	Effect of crystal orientation on microstructure and properties of bulk Fe ₂ B intermetallic. Journal of Materials Research, 2015, 30, 257-265.	2.6	18
14	A comparable study of Fe/MCs (M = Ti, V) interfaces by first-principles method: The chemical bonding, work of adhesion and electronic structures. Journal of Physics and Chemistry of Solids, 2020, 138, 109292.	4.0	18
15	Microstructure and mechanical properties of Fe matrix composites reinforced by nickel-chromium double-layer coated ZTAP ceramics. Ceramics International, 2020, 46, 16993-17002.	4.8	16
16	Interfacial characteristics and wear performances of iron matrix composites reinforced with zirconia-toughened alumina ceramic particles. Ceramics International, 2022, 48, 1293-1305.	4.8	16
17	Tribocorrosion Properties of NiCrAlY Coating in Different Corrosive Environments. Materials, 2020, 13, 1864.	2.9	15
18	Effect of chromium on erosion-corrosion properties of ZrO ₂ -Al ₂ O ₃ particles reinforced Fe-based composites in artificial seawater slurries. Corrosion Science, 2022, 198, 110138.	6.6	12

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19	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
20	First-principles calculation of the adhesion work, fracture toughness and tensile behavior of the Fe/MCs (M=Al, Nb and Ta) interfaces by two different optimization methods. <i>Chemical Physics</i> , 2021, 547, 111193.	1.9	10
21	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
22	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
23	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
24	Interfacial Bonding and Abrasive Wear Behavior of Iron Matrix Composite Reinforced by Ceramic Particles. <i>Materials</i> , 2019, 12, 3646.	2.9	7
25	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
26	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
27	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
28	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
29	Interfacial bonding and abrasive wear behaviours of the iron matrix composites. <i>Materials Science and Technology</i> , 2022, 38, 965-976.	1.6	1
30	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
31	Investigations of Microstructures and Erosion-Corrosion Performance of Cast Boron-Bearing Stainless Steel. <i>Coatings</i> , 2021, 11, 1553.	2.6	0