Zejun Chen

List of Publications by Year
in descending order

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34	425	759233 12	794594 19
papers	citations	h-index	g-index

35	35	35	205
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Extraordinary room temperature tensile ductility of laminated Ti/Al composite: Roles of anisotropy and strain rate sensitivity. International Journal of Plasticity, 2020, 133, 102806.	8.8	50
2	Effects of annealing on the interfacial structures and mechanical properties of hot roll bonded Al/Mg clad sheets. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 792, 139673.	5.6	37
3	Numerical experiments of preconditioned Krylov subspace methods solving the dense non-symmetric systems arising from BEM. Engineering Analysis With Boundary Elements, 2007, 31, 1013-1023.	3.7	30
4	Effect of titanium grain orientation on the growth of compounds at diffusion bonded titanium/steel interfaces. Materials Characterization, 2019, 148, 243-251.	4.4	28
5	Austenite stability and deformation-induced transformation mechanism in cold-rolled medium-Mn steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 798, 140147.	5.6	27
6	Fabrication of Ti/Al/Mg laminated composites by hot roll bonding and their microstructures and mechanical properties. Chinese Journal of Aeronautics, 2021, 34, 192-201.	5.3	27
7	Influence of annealing on the microstructure, interfacial compounds and mechanical properties of hot rolling bonded Ti/steel clad plate with bimetallic interlayered steel and vanadium. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 764, 138227.	5.6	19
8	Effect of lamellar structural parameters on the bending fracture behavior of AA1100/AA7075 laminated metal composites. Journal of Materials Science and Technology, 2022, 99, 28-38.	10.7	18
9	Effects of annealing on the interface microstructures and mechanical properties of hot roll bonded Ti6Al4V/AA6061 clad sheets. Journal of Materials Research and Technology, 2020, 9, 11813-11825.	5.8	17
10	Effect of two-step annealing on recrystallized structure and mechanical properties in AA7075/AA1100 laminated metal composites processed by accumulative roll bonding. Materials Characterization, 2019, 158, 109951.	4.4	16
11	Evolution of interface and collaborative deformation between Ti and steel during hot roll bonding. Materials Characterization, 2020, 164, 110354.	4.4	15
12	Microstructure and mechanical properties of Ti6Al4V/AA6061/AZ31 laminated metal composites (LMCs) fabricated by hot roll bonding. Journal of Alloys and Compounds, 2021, 861, 157943.	5.5	15
13	Enhancing the Mechanical Properties of Hot Roll Bonded Al/Ti Laminated Metal Composites (LMCs) by Pre-Rolling Diffusion Process. Metals, 2019, 9, 795.	2.3	13
14	Enhancing of mechanical properties of rolled 1100/7075 Al alloys laminated metal composite by thermomechanical treatments. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 800, 140313.	5.6	13
15	Effect of Wavy Profile on the Fabrication and Mechanical Properties of Al/Ti/Al Composites Prepared by Rolling Bonding: Experiments and Finite Element Simulations. Advanced Engineering Materials, 2019, 21, 1900637.	3.5	12
16	Deformation inhomogeneities of Mgâ€“Al laminated metal composites fabricated by accumulative roll bonding. Materials Research Innovations, 2015, 19, S147-S151.	2.3	11
17	Effect of intermetallic compounds (IMCs) on the interfacial bonding strength and mechanical properties of pre-rolling diffusion ARBed Al/Ti laminated composites. Materials Characterization, 2020, 170, 110731.	4.4	10
18	Effect of cross rolling on the interface morphology and mechanical properties of ARBed AA1100/AA7075 laminated metal composites. Journal of Alloys and Compounds, 2019, 805, 617-623.	5.5	9

#	Article	IF	Citations
19	Effect of Individual Layer Shape on the Mechanical Properties of Dissimilar Al Alloys Laminated Metal Composite Sheets. Journal of Materials Engineering and Performance, 2014, 23, 990-1001.	2.5	8
20	Microstructure Evolution During Roll Bonding and Growth of Interfacial Intermetallic Compounds in Al/Ti/Al Laminated Metal Composites. Jom, 2019, 71, 4769-4777.	1.9	8
21	Error analysis and novel near-field preconditioning techniques for Taylor series multipole-BEM. Engineering Analysis With Boundary Elements, 2010, 34, 173-181.	3.7	7
22	Microstructure and Mechanical Properties of J55ERW Steel Pipe Processed by On-Line Spray Water Cooling. Metals, 2017, 7, 150.	2.3	7
23	Interface Shear Actions and Mechanical Properties of Nanostructured Dissimilar Al Alloy Laminated Metal Composites. Journal of Nanomaterials, 2015, 2015, 1-14.	2.7	5
24	Heat Transfer Modeling of an Annular On-Line Spray Water Cooling Process for Electric-Resistance-Welded Steel Pipe. PLoS ONE, 2015, 10, e0131574.	2.5	4
25	Fabrication and mechanical properties of ultrafine structured dissimilar laminated metal composite sheets (LMCS). Science and Engineering of Composite Materials, 2015, 22, 71-79.	1.4	4
26	Strong Interactions between Austenite and the Matrix of Medium-Mn Steel during Intercritical Annealing. Materials, 2020, 13, 3366.	2.9	4
27	The fast multipole boundary element methods (FMBEM) and its applications in rolling engineering analysis. Computational Mechanics, 2012, 50, 513-531.	4.0	3
28	Effect of Rolling Reduction and Temperature on the Oxide Scale of Hot Rolled Mild Steel Strip. Materials Research, 2019, 22, .	1.3	3
29	Study on the Fine Grain Size and Microhardness at the Interface of AZ31/Mgâ€Y Composites. Advanced Engineering Materials, 2021, 23, 2100214.	3.5	2
30	Transformation and Twinning-Induced Plasticity Effect in a Novel Heterogeneous Microstructural Medium-Mn Steel Processed by ART Annealing. Jom, 2022, 74, 2826-2837.	1.9	2
31	Experimental research on the effect of induction reheating on the microstructure and mechanical properties of hot-rolled low-alloy steel plate. Materials Research, 2014, 17, 1601-1609.	1.3	1
32	3 Dimensional multi-body frictional elastic contact boundary element method. , 2009, , .		0
33	Taylor series multipole boundary elementâ€mathematical programming method for 3D multiâ€bodies elastic contact problems. International Journal for Numerical Methods in Engineering, 2010, 83, 135-173.	2.8	0
34	Microstructure evolution and mechanical properties during industrial intercritical quenching and partitioning (IQ&P) processing of a low alloy steel. Materials Research Express, 2022, 9, 026519.	1.6	0