

# Zejun Chen

## List of Publications by Year in descending order

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34  
papers

425  
citations

759233

12  
h-index

794594

19  
g-index

35  
all docs

35  
docs citations

35  
times ranked

205  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of lamellar structural parameters on the bending fracture behavior of AA1100/AA7075 laminated metal composites. <i>Journal of Materials Science and Technology</i> , 2022, 99, 28-38.	10.7	18
2	Microstructure evolution and mechanical properties during industrial intercritical quenching and partitioning (IQ&P) processing of a low alloy steel. <i>Materials Research Express</i> , 2022, 9, 026519.	1.6	0
3	Transformation and Twinning-Induced Plasticity Effect in a Novel Heterogeneous Microstructural Medium-Mn Steel Processed by ART Annealing. <i>Jom</i> , 2022, 74, 2826-2837.	1.9	2
4	Enhancing of mechanical properties of rolled 1100/7075 Al alloys laminated metal composite by thermomechanical treatments. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 800, 140313.	5.6	13
5	Fabrication of Ti/Al/Mg laminated composites by hot roll bonding and their microstructures and mechanical properties. <i>Chinese Journal of Aeronautics</i> , 2021, 34, 192-201.	5.3	27
6	Microstructure and mechanical properties of Ti6Al4V/AA6061/AZ31 laminated metal composites (LMCs) fabricated by hot roll bonding. <i>Journal of Alloys and Compounds</i> , 2021, 861, 157943.	5.5	15
7	Study on the Fine Grain Size and Microhardness at the Interface of AZ31/Mg Composites. <i>Advanced Engineering Materials</i> , 2021, 23, 2100214.	3.5	2
8	Austenite stability and deformation-induced transformation mechanism in cold-rolled medium-Mn steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 798, 140147.	5.6	27
9	Strong Interactions between Austenite and the Matrix of Medium-Mn Steel during Intercritical Annealing. <i>Materials</i> , 2020, 13, 3366.	2.9	4
10	Effects of annealing on the interface microstructures and mechanical properties of hot roll bonded Ti6Al4V/AA6061 clad sheets. <i>Journal of Materials Research and Technology</i> , 2020, 9, 11813-11825.	5.8	17
11	Effect of intermetallic compounds (IMCs) on the interfacial bonding strength and mechanical properties of pre-rolling diffusion ARBed Al/Ti laminated composites. <i>Materials Characterization</i> , 2020, 170, 110731.	4.4	10
12	Extraordinary room temperature tensile ductility of laminated Ti/Al composite: Roles of anisotropy and strain rate sensitivity. <i>International Journal of Plasticity</i> , 2020, 133, 102806.	8.8	50
13	Evolution of interface and collaborative deformation between Ti and steel during hot roll bonding. <i>Materials Characterization</i> , 2020, 164, 110354.	4.4	15
14	Effects of annealing on the interfacial structures and mechanical properties of hot roll bonded Al/Mg clad sheets. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 792, 139673.	5.6	37
15	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. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 764, 138227.	5.6	19
16	Effect of cross rolling on the interface morphology and mechanical properties of ARBed AA1100/AA7075 laminated metal composites. <i>Journal of Alloys and Compounds</i> , 2019, 805, 617-623.	5.5	9
17	Enhancing the Mechanical Properties of Hot Roll Bonded Al/Ti Laminated Metal Composites (LMCs) by Pre-Rolling Diffusion Process. <i>Metals</i> , 2019, 9, 795.	2.3	13
18	Effect of two-step annealing on recrystallized structure and mechanical properties in AA7075/AA1100 laminated metal composites processed by accumulative roll bonding. <i>Materials Characterization</i> , 2019, 158, 109951.	4.4	16

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19	Microstructure Evolution During Roll Bonding and Growth of Interfacial Intermetallic Compounds in Al/Ti/Al Laminated Metal Composites. <i>Jom</i> , 2019, 71, 4769-4777.	1.9	8
20	Effect of Wavy Profile on the Fabrication and Mechanical Properties of Al/Ti/Al Composites Prepared by Rolling Bonding: Experiments and Finite Element Simulations. <i>Advanced Engineering Materials</i> , 2019, 21, 1900637.	3.5	12
21	Effect of titanium grain orientation on the growth of compounds at diffusion bonded titanium/steel interfaces. <i>Materials Characterization</i> , 2019, 148, 243-251.	4.4	28
22	Effect of Rolling Reduction and Temperature on the Oxide Scale of Hot Rolled Mild Steel Strip. <i>Materials Research</i> , 2019, 22, .	1.3	3
23	Microstructure and Mechanical Properties of J55ERW Steel Pipe Processed by On-Line Spray Water Cooling. <i>Metals</i> , 2017, 7, 150.	2.3	7
24	Heat Transfer Modeling of an Annular On-Line Spray Water Cooling Process for Electric-Resistance-Welded Steel Pipe. <i>PLoS ONE</i> , 2015, 10, e0131574.	2.5	4
25	Interface Shear Actions and Mechanical Properties of Nanostructured Dissimilar Al Alloy Laminated Metal Composites. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-14.	2.7	5
26	Fabrication and mechanical properties of ultrafine structured dissimilar laminated metal composite sheets (LMCS). <i>Science and Engineering of Composite Materials</i> , 2015, 22, 71-79.	1.4	4
27	Deformation inhomogeneities of Mg-Al laminated metal composites fabricated by accumulative roll bonding. <i>Materials Research Innovations</i> , 2015, 19, S147-S151.	2.3	11
28	Experimental research on the effect of induction reheating on the microstructure and mechanical properties of hot-rolled low-alloy steel plate. <i>Materials Research</i> , 2014, 17, 1601-1609.	1.3	1
29	Effect of Individual Layer Shape on the Mechanical Properties of Dissimilar Al Alloys Laminated Metal Composite Sheets. <i>Journal of Materials Engineering and Performance</i> , 2014, 23, 990-1001.	2.5	8
30	The fast multipole boundary element methods (FMBEM) and its applications in rolling engineering analysis. <i>Computational Mechanics</i> , 2012, 50, 513-531.	4.0	3
31	Taylor series multipole boundary element mathematical programming method for 3D multi-body elastic contact problems. <i>International Journal for Numerical Methods in Engineering</i> , 2010, 83, 135-173.	2.8	0
32	Error analysis and novel near-field preconditioning techniques for Taylor series multipole-BEM. <i>Engineering Analysis With Boundary Elements</i> , 2010, 34, 173-181.	3.7	7
33	3 Dimensional multi-body frictional elastic contact boundary element method. , 2009, , .		0
34	Numerical experiments of preconditioned Krylov subspace methods solving the dense non-symmetric systems arising from BEM. <i>Engineering Analysis With Boundary Elements</i> , 2007, 31, 1013-1023.	3.7	30