

Aimin Zhao

List of Publications by Year in descending order

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papers

529
citations

623734

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docs citations

28
times ranked

408
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of rare earth elements on the segregation behavior and microstructure of super austenitic stainless steel. <i>Journal of Materials Research and Technology</i> , 2022, 19, 20-29.	5.8	11
2	Study of work-hardening behavior of high manganese steel during compression. <i>Materials Research Express</i> , 2022, 9, 066503.	1.6	4
3	Effect of Welding Peak Temperature on Microstructure and Impact Toughness of Heat-Affected Zone of Q690 High Strength Bridge Steel. <i>Materials</i> , 2021, 14, 2981.	2.9	17
4	A study of wear resistance of carbon-free bainite and martensite in medium carbon steel. <i>Ironmaking and Steelmaking</i> , 2020, 47, 1056-1062.	2.1	5
5	Effects of ausforming temperature on bainite transformation kinetics, microstructures and mechanical properties in ultra-fine bainitic steel. <i>Journal of Materials Research and Technology</i> , 2020, 9, 1593-1605.	5.8	22
6	A study of blocky retained austenite and properties under variously heat-treated ultra-fine bainitic steel. <i>Materials Research Express</i> , 2019, 6, 105607.	1.6	5
7	Effect of Upper Bainite on Wear Behaviour of High-Speed Wheel Steel. <i>Tribology Letters</i> , 2019, 67, 1.	2.6	13
8	Influence of Prior Martensite on Bainite Transformation, Microstructures, and Mechanical Properties in Ultra-Fine Bainitic Steel. <i>Materials</i> , 2019, 12, 527.	2.9	22
9	Ultrafine-Grained Multiphase Steels with Different Microstructural Constitutions Fabricated Through Annealing of Tempered and Deformed Martensite. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 1439-1443.	2.2	3
10	Effect of microstructure morphology on mechanical properties of quenching and partitioning steel. <i>Materials Science and Technology</i> , 2018, 34, 347-354.	1.6	13
11	Effect of Heat Treatment on Microstructure and Mechanical Properties of Quenching and Partitioning Steel. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 216-224.	2.9	16
12	Deformation-induced dissolution of copper precipitation in 1.5wt%Cu-bearing antibacterial Fe-17wt%Cr alloy during plastic deformation process. <i>Materials and Design</i> , 2018, 157, 469-477.	7.0	12
13	Two-body abrasion wear mechanism of super bainitic steel. <i>Materials Science and Technology</i> , 2017, 33, 893-898.	1.6	19
14	Effect of strain rate on the work-hardening rate in high-Mn steel. <i>Materials Science and Technology</i> , 2017, 33, 1306-1311.	1.6	7
15	Development of β -solidifying β -TiAl alloys sheet. <i>Materials Letters</i> , 2017, 198, 31-33.	2.6	23
16	Flow behavior and processing maps of Ti-44.5Al-3.8Nb-1.0Mo-0.3Si-0.1B alloy. <i>Journal of Alloys and Compounds</i> , 2017, 698, 786-793.	5.5	48
17	Effect of Continuous Annealing Temperature on Microstructure and Properties of Ultra-Purified Ferritic Stainless Steel. <i>Steel Research International</i> , 2017, 88, 1600347.	1.8	7
18	A High-Strength High-Ductility Ti- and Mo-Bearing Ferritic Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016, 47, 450-460.	2.2	11

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19	Quenching and partitioning steel produced through hot rolling, direct quenching and annealing. <i>Materials Science and Technology</i> , 2016, 32, 1605-1612.	1.6	14
20	Acceleration of nanobainite transformation by multi-step ausforming process. <i>Scripta Materialia</i> , 2015, 107, 71-74.	5.2	60
21	Oxidation of conventional and nanostructured 8wt.% yttria-stabilized zirconia coating surface coatings on β -TiAl. <i>Applied Surface Science</i> , 2015, 332, 362-367.	6.1	25
22	Acceleration of Bainite Transformation at Low Temperature by Warm Rolling Process. <i>Materials Today: Proceedings</i> , 2015, 2, S289-S294.	1.8	17
23	Effect of intercritical temperature on quenching and partitioning steels originated from martensitic pre-microstructure. <i>Journal of Materials Research</i> , 2014, 29, 2525-2533.	2.6	20
24	A New Type of Quenching and Partitioning Processing Developed from Martensitic Pre-microstructure. <i>Materials and Manufacturing Processes</i> , 2014, 29, 704-709.	4.7	16
25	Cyclic Oxidation Behavior of the Ti-6Al-4V Alloy. <i>Oxidation of Metals</i> , 2014, 81, 467-476.	2.1	24
26	A novel design to enhance the amount of retained austenite and mechanical properties in low-alloyed steel. <i>Scripta Materialia</i> , 2014, 88, 21-24.	5.2	83
27	Effect of Nb on Microstructure and Mechanical Properties in Non-magnetic High Manganese Steel. <i>Journal of Iron and Steel Research International</i> , 2014, 21, 600-605.	2.8	11
28	Texture evolution of 440 MPa grade Nb-bearing high strength IF steel during rolling and annealing process. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2011, 26, 1157-1161.	1.0	1