

Yun-Li Feng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Tensile Properties and Microstructure Evolutions of Low-Density Duplex Fe-12Mn-7Al-0.2C-0.6Si Steel. <i>Materials</i> , 2022, 15, 2498.	2.9	3
2	Insight into Point Defects and Complex Defects in \hat{I}^2 -Mo ₂ C and Carbide Evolution from First Principles. <i>Materials</i> , 2022, 15, 4719.	2.9	0
3	Effect of Annealing Time on Microstructure Stability and Mechanical Behavior of Ferrite-Cementite Steel with Multiscale Lamellar Structure. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2021, 52, 1023-1033.	2.1	6
4	Strengthening and strain hardening mechanisms of a plain medium carbon steel by multiscale lamellar structures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 827, 142091.	5.6	13
5	Effect of Holding Time of Decarbonization Annealing on Recrystallization in Fe-3.2%Si-0.047Nb% Low-Temperature Oriented Silicon Steel. <i>Crystals</i> , 2021, 11, 1209.	2.2	1
6	Construction of a machine-learning-based prediction model for mechanical properties of ultra-fine-grained Fe-C alloy. <i>Journal of Materials Research and Technology</i> , 2021, 15, 4914-4930.	5.8	13
7	Effect of Slab Reheating Temperature on Cold Rolling Texture Evolution of Nb-Containing Grain-Oriented Silicon Steel. <i>Crystals</i> , 2021, 11, 1478.	2.2	2
8	Microstructure Evolution and Mechanical Properties of Medium Carbon Martensitic Steel during Warm Rolling and Annealing Process. <i>Materials</i> , 2021, 14, 6900.	2.9	1
9	Tension-Compression Yield Asymmetry Influenced by the Variable Deformation Modes in Gradient Structure Mg Alloys. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 252-266.	2.9	7
10	Intrinsic defects, Mo-related defects, and complexes in transition-metal carbide VC: A first-principles study. <i>Journal of the American Ceramic Society</i> , 2020, 103, 7226-7239.	3.8	5
11	Nanoscratching and mechanical behaviors of high-entropy alloys with different phase constituents. <i>Journal of Iron and Steel Research International</i> , 2019, 26, 1240-1248.	2.8	4
12	Microstructure evolution and micro-mechanical behavior of secondary carbides at grain boundary in a Fe-Cr-W-Mo-V-C alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 715, 359-369.	5.6	23
13	Strain hardening and tensile behaviors of gradient structure Mg alloys with different orientation relationships. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 735, 275-287.	5.6	23
14	Deformation resistance of Fe-Mn-V-N alloy under different deformation processes. <i>Rare Metals</i> , 2017, 36, 833-839.	7.1	5
15	Effect of Nb on solution and precipitation of inhibitors in grain-oriented silicon steel. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 426, 89-94.	2.3	18
16	Stabilized uniform deformation in a high-strength ferrite-cementite steel with multiscale lamellar structure. <i>Materials and Design</i> , 2017, 120, 280-290.	7.0	18
17	Dependence of tensile properties on microstructural features of bimodal-sized ferrite/cementite steels. <i>Journal of Iron and Steel Research International</i> , 2017, 24, 67-76.	2.8	6
18	Effect of slab reheating temperature on recrystallization microstructure, texture and magnetic properties of Nb-containing grain-oriented silicon steel. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 439, 135-143.	2.3	25

#	ARTICLE	IF	CITATIONS
19	Crystallographic characterizations of eutectic and secondary carbides in a Fe-12Cr-2.5Mo-1.5W-3V-1.25C alloy. <i>Metals and Materials International</i> , 2017, 23, 313-319.	3.4	13
20	Constitutive Model of Warm Deformation Behavior of Medium Carbon Steel. <i>Journal of Iron and Steel Research International</i> , 2016, 23, 940-948.	2.8	9
21	Investigation of microstructural damage to eutectic carbides from scratch tests of a heat-treated Fe-Cr-W-Mo-V-C alloy. <i>Wear</i> , 2016, 358-359, 137-147.	3.1	10
22	An Improved Arrhenius Constitutive Model and Three-Dimensional Processing Map of a Solution-Treated Ni-Based Superalloy. <i>High Temperature Materials and Processes</i> , 2016, 35, 55-64.	1.4	5
23	Effect of normalizing cooling process on microstructure and precipitates in low-temperature silicon steel. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 770-776.	4.2	9
24	Microstructure transformation of X70 pipeline steel welding heat-affected zone. <i>Rare Metals</i> , 2014, 33, 493-498.	7.1	18
25	Balanced solubility product and enthalpies of formation of Nb compounds in 0.09% oriented silicon steel. <i>Rare Metals</i> , 2013, 32, 318-322.	7.1	7
26	STUDY ON MICROSTRUCTURE AND PRECIPITATES AT DIFFERENT NORMALIZING IN Fe-3 Si LOWTEMPERATURE ORIENTED SILICON STEEL. <i>Jinshu Xuebao/Acta Metallurgica Sinica</i> , 2013, 49, 562.	0.3	7