

Ziyong Hou

List of Publications by Year in descending order

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papers

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1163065

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#	ARTICLE	IF	CITATIONS
1	Precipitation of multiple carbides in martensitic CrMoV steels - experimental analysis and exploration of alloying strategy through thermodynamic calculations. <i>Materialia</i> , 2020, 9, 100630.	2.7	27
2	An experimental and theoretical study of duplex fcc+hcp cobalt based entropic alloys. <i>Acta Materialia</i> , 2019, 176, 11-18.	7.9	25
3	Microstructure of Martensite in Fe-Cr and its Implications for Modelling of Carbide Precipitation during Tempering. <i>ISIJ International</i> , 2014, 54, 2649-2656.	1.4	24
4	Quantitative modeling and experimental verification of carbide precipitation in a martensitic Fe-0.16wt%Cr-4.0wt%Cr alloy. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2016, 53, 39-48.	1.6	23
5	Microstructure evolution during tempering of martensitic Fe-Cr alloys at 700°C. <i>Journal of Materials Science</i> , 2018, 53, 6939-6950.	3.7	15
6	A comparative study of microstructure and magnetic properties of a Ni Fe cemented carbide: Influence of carbon content. <i>International Journal of Refractory Metals and Hard Materials</i> , 2019, 80, 181-187.	3.8	14
7	Low density steel 1.2Cr-1.5Cr-5Al designed for bearings. <i>Materials Science and Technology</i> , 2014, 30, 1045-1049.	1.6	11
8	Early stages of cementite precipitation during tempering of 1Cr martensitic steel. <i>Journal of Materials Science</i> , 2019, 54, 9222-9234.	3.7	11
9	Effect of carbon content on the Curie temperature of WC-NiFe cemented carbides. <i>International Journal of Refractory Metals and Hard Materials</i> , 2019, 78, 27-31.	3.8	10
10	In-situ real time observation of martensite transformation in duplex fcc+hcp cobalt based entropic alloys. <i>Materialia</i> , 2020, 14, 100928.	2.7	10
11	Effects of Austenitizing Temperature on Tensile and Impact Properties of a Martensitic Stainless Steel Containing Metastable Retained Austenite. <i>Materials</i> , 2021, 14, 1000.	2.9	9
12	On coarsening of cementite during tempering of martensitic steels. <i>Materials Science and Technology</i> , 2020, 36, 887-893.	1.6	8
13	On the role of transmission electron microscopy for precipitation analysis in metallic materials. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2022, 47, 388-414.	12.3	8
14	Effect of Holding Temperature on Microstructure and Mechanical Properties of High-Strength Multiphase Steel. <i>Steel Research International</i> , 2016, 87, 1203-1212.	1.8	6
15	Evaluating magnetic properties of composites from model alloys - Application to alternative binder cemented carbides. <i>Scripta Materialia</i> , 2019, 168, 96-99.	5.2	5
16	RECRYSTALLIZATION OF ULTRA-LOW CARBON STEEL SHEET AFTER ULTRA-RAPID ANNEALING. <i>Jinshu Xuebao/Acta Metallurgica Sinica</i> , 2012, 48, 1057.	0.3	5
17	Quantum mechanics basis of quality control in hard metals. <i>Acta Materialia</i> , 2019, 169, 1-8.	7.9	4
18	Hot-Deformation Behavior and Processing Maps of a Low-Carbon Fe-2 wt% Nb Steel. <i>Metals</i> , 2021, 11, 1939.	2.3	2

#	ARTICLE	IF	CITATIONS
19	Microstructure and Mechanical Properties of ULCB Steels Affected by Advanced TMCP Technology. Materials Science Forum, 0, 689, 289-295.	0.3	0
20	Effect of Coil Temperature on Microstructure and Texture Evolution of an High Strength Nb-IF Steel Sheet. Materials Science Forum, 2013, 749, 35-40.	0.3	0
21	Enhanced Grain Growth Behavior of Ferritic Steel during Continuous Cyclic Annealing. Steel Research International, 2018, 89, 1800222.	1.8	0