Binbin He

List of Publications by Year
in descending order

20	1,061	933264	839398
papers	citations	10 h-index	18 g-index

20	20	20	969
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Correlation Between Martensitic Transformation and Strain Burst in Retained Austenite Grains During Nanoindentation Investigation. Metals and Materials International, 2022, 28, 573-578.	1.8	7
2	Understanding Ceramic Particle-Stimulated Heterogeneous Recrystallization in a Medium Entropy Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 1156.	1.1	0
3	Grain size-dependent tensile behaviour in a metastable beta titanium alloy. Materials Science and Technology, 2022, 38, 469-483.	0.8	3
4	A review on the science of plastic deformation in laser-based additively manufactured steel. Journal of Materials Science, 2022, 57, 10803-10835.	1.7	1
5	On the Factors Governing Austenite Stability: Intrinsic versus Extrinsic. Materials, 2020, 13, 3440.	1.3	43
6	Martensite Enables the Formation of Complex Nanotwins in a Medium Mn Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 1960-1966.	1.1	1
7	Processingâ€“Microstructure Relation of Deformed and Partitioned (D&P) Steels. Metals, 2019, 9, 695.	1.0	5
8	Improving Tensile Properties of Room-Temperature Quenching and Partitioning Steel by Dislocation Engineering. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 4021-4026.	1.1	18
9	Resetting the Austenite Stability in a Medium Mn Steel via Dislocation Engineering. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 2971-2977.	1.1	22
10	Engineering Heterogeneous Multiphase Microstructure by Austenite Reverted Transformation Coupled with Ferrite Transformation. Jom, 2019, 71, 1322-1328.	0.9	11
11	High-strength medium Mn quenching and partitioning steel with low yield ratio. Materials Science and Technology, 2019, 35, 2109-2114.	0.8	21
12	Strong and ductile medium Mn steel without transformation-induced plasticity effect. Materials Research Letters, 2018, 6, 365-371.	4.1	29
13	The Role of Transformationâ€Induced Plasticity in the Development of Advanced High Strength Steels. Advanced Engineering Materials, 2018, 20, 1701083.	1.6	77
14	Room-Temperature Quenching and Partitioning Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 3167-3172.	1.1	27
15	High dislocation densityâ€“induced large ductility in deformed and partitioned steels. Science, 2017, 357, 1029-1032.	6.0	729
16	Revealing heterogeneous C partitioning in a medium Mn steel by nanoindentation. Materials Science and Technology, 2017, 33, 552-558.	0.8	7
17	On the Mechanical Stability of Austenite Matrix After Martensite Formation in a Medium Mn Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 3346-3353.	1.1	34
18	Martensitic Transformation in Micron-Sized Fcc Single Crystals. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 4731-4736.	1.1	6

#	Article	IF	Citations
19	Effect of Free Surface on the Stability of Individual Retained Austenite Grains in a Duplex Stainless Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 4875-4881.	1.1	16
20	Stress-induced martensitic transformation in metastable austenite grains during nanoindentation investigation. Philosophical Magazine Letters, 0, , 1-15.	0.5	4