Haokun Yang

List of Publications by Year
in descending order

28 papers	633 citations	623574 14 h-index	580701 25 g-index
31 all docs	31 docs citations	31 times ranked	444 citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of work hardening and deformation twinning evolution in Feâ€“22Mnâ€“0.6Câ€“(1.5Al) twinning-induced plasticity steels. Scripta Materialia, 2013, 68, 992-995.	2.6	96
2	A novel ultrafine-grained Fe 22Mn 0.6C TWIP steel with superior strength and ductility. Materials Characterization, 2017, 126, 74-80.	1.9	83
3	Strain rate effects on tensile deformation behaviors for Feâ€“22Mnâ€“0.6Câ€“(1.5Al) twinning-induced plasticity steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 607, 551-558.	2.6	78
4	Negative to positive transition of strain rate sensitivity in Fe-22Mn-0.6C-x(Al) twinning-induced plasticity steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 690, 146-157.	2.6	50
5	Different strain rate sensitivities between Feâ€“22Mnâ€“0.6C and Feâ€“30Mnâ€“3Siâ€“3Al twinning-induced plasticity steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 655, 251-255.	2.6	38
6	Comparison of twinning evolution with work hardening ability in twinning-induced plasticity steel under different strain rates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 622, 184-188.	2.6	32
7	Heavily twinned CoCrNi medium-entropy alloy with superior strength and crack resistance. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 788, 139591.	2.6	31
8	Simultaneously improving the strength and ductility of Feâ€“22Mnâ€“0.6C twinning-induced plasticity steel via nitrogen addition. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 715, 276-280.	2.6	29
9	Mechanical properties study on sandwich hybrid metal/(carbon, glass) fiber reinforcement plastic composite sheet. Advanced Composites and Hybrid Materials, 2022, 5, 83-90.	9.9	26
10	Revealing the mechanical properties and microstructure evolutions of Feâ€“22Mnâ€“0.6Câ€“(x)Al TWIP steels via Al alloying control. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 731, 61-70.	2.6	21
11	Enhanced tensile ductility of tungsten microwires via high-density dislocations and reduced grain boundaries. Journal of Materials Science and Technology, 2021, 95, 193-202.	5.6	21
12	Fatigue crack growth in two TWIP steels with different stacking fault energies. International Journal of Fatigue, 2017, 98, 247-258.	2.8	18
13	The Twisting of Domeâ€Łike Metamaterial from Brittle to Ductile. Advanced Science, 2021, 8, 2002701.	5.6	17
14	Tensile Fracture Modes in Fe-22Mn-0.6C and Fe-30Mn-3Si-3Al Twinning-Induced Plasticity (TWIP) Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 4458-4462.	1.1	14
15	Feâ€“Mnâ€“Câ€“Al Lowâ€Đensity Steel for Structural Materials: A Review of Alloying, Heat Treatment, Microstructure, and Mechanical Properties. Steel Research International, 2022, 93, .	1.0	14
16	Micro-scale measurements of plastic strain field, and local contributions of slip and twinning in TWIP steels during in situ tensile tests. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 672, 7-14.	2.6	13
17	The combined effects of grain and sample sizes on the mechanical properties and fracture modes of gold microwires. Journal of Materials Science and Technology, 2019, 35, 76-83.	5.6	13
18	In situ mechanical characterization of silver nanowire/graphene hybrids films for flexible electronics. International Journal of Smart and Nano Materials, 2020, 11, 265-276.	2.0	10

#	Article	IF	Citations
19	Brittle-to-ductile transition of Au2Al and AuAl2 intermetallic compounds in wire bonding. Journal of Materials Science: Materials in Electronics, 2019, 30, 862-866.	1.1	7
20	Temperature-Dependence of the Mechanical Responses for Two Types of Twinning-Induced Plasticity Steels. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 1475-1480.	1.1	4
21	Effects of Pd Surface Coating on the Strength and Fracture Behavior of Cu Micro Bonding Wires. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 3013-3018.	1.1	4
22	Influence of carbon addition on mechanical properties of Feâ€"Mnâ€"C twinning-induced plasticity steels. Journal of Iron and Steel Research International, 2022, 29, 1446-1454.	1.4	4
23	Artificial intelligenceâ€assisted fatigue fracture recognition based on morphing and fully convolutional networks. Fatigue and Fracture of Engineering Materials and Structures, 2022, 45, 1690-1702.	1.7	4
24	Fatigue behavior of Alâ€"Al and Alâ€"steel refill friction stir spot welding joints. Fatigue and Fracture of Engineering Materials and Structures, 2021, 44, 3219-3223.	1.7	2
25	The micro morphology correction function of a silicon wafer CMP surface. Journal of Semiconductors, 2014, 35, 053002.	2.0	1
26	Ductile Au4Al intermetallic compound with crack resistance. Intermetallics, 2019, 112, 106555.	1.8	1
27	Grain-size insensitive work-hardening behavior of Ag microwires. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 759, 655-660.	2.6	1
28	Dramatic Increase of Strength and Ductility in Feâ€"22Mnâ€"1.0C Twinningâ€Induced Plasticity Steel at Elevated Temperature. Advanced Engineering Materials, 2019, 21, 1800670.	1.6	1