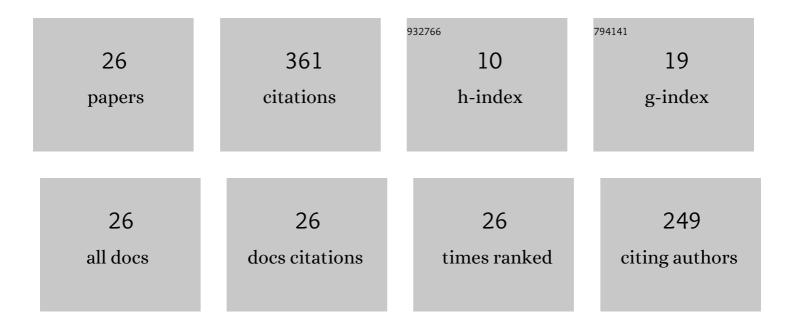
Zhenhua Wang

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Cavitation erosion mechanism and microstructural design of pure titanium. Wear, 2022, 490-491, 204189.	1.5	1
2	Hydrogen participates in cavitation erosion in water. Wear, 2022, 504-505, 204435.	1.5	1
3	Cavitation erosion behavior of high‑nitrogen austenitic stainless steel: Effect and design of grain-boundary characteristics. Materials and Design, 2021, 201, 109496.	3.3	10
4	In-situ study on cavitation erosion behavior of super ferritic stainless steel. Wear, 2021, 482-483, 203986.	1.5	4
5	Enhancing yield strength of high nitrogen austenitic stainless steel. Journal of Constructional Steel Research, 2021, 187, 106927.	1.7	7
6	Formation mechanism and application potential of Σ1 boundary in grain boundary engineering of high nitrogen austenitic stainless steel. Materials Letters, 2019, 253, 377-380.	1.3	5
7	Effect of Strain Rate on Hot Ductility of a Duplex Stainless Steel. Advances in Materials Science and Engineering, 2019, 2019, 1-6.	1.0	4
8	Hot-Deformation Behavior of High-Nitrogen Austenitic Stainless Steel under Continuous Cooling: Physical Simulation of Surface Microstructure Evolution of Superheavy Forgings during Hot Forging. Materials, 2019, 12, 1175.	1.3	4
9	Effect of Silicon Content on the Hardenability and Mechanical Properties of Link-Chain Steel. Journal of Materials Engineering and Performance, 2019, 28, 1678-1684.	1.2	6
10	Fracture Behavior of High-Nitrogen Austenitic Stainless Steel Under Continuous Cooling: Physical Simulation of Free-Surface Cracking of Heavy Forgings. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 1470-1474.	1.1	4
11	Microstructure Evolution and Surface Cracking Behavior of Superheavy Forgings during Hot Forging. Advances in Materials Science and Engineering, 2018, 2018, 1-9.	1.0	3
12	Grain Size Effect on the Hot Ductility of High-Nitrogen Austenitic Stainless Steel in the Presence of Precipitates. Materials, 2018, 11, 1026.	1.3	6
13	Effects of initial grain size and strain on grain boundary engineering of high-nitrogen CrMn austenitic stainless steel. International Journal of Minerals, Metallurgy and Materials, 2018, 25, 922-929.	2.4	4
14	Dependence of corrosion resistance on grain boundary characteristics in a high nitrogen CrMn austenitic stainless steel. Journal of Materials Science and Technology, 2017, 33, 1621-1628.	5.6	49
15	Effect of Strain Rate on Hot Ductility Behavior of a High Nitrogen Cr-Mn Austenitic Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 1268-1279.	1.1	13
16	A new insight into manufacturing fine-grained heavy retaining rings. Materials and Design, 2016, 103, 152-159.	3.3	14
17	Importance and role of grain size in free surface cracking prediction of heavy forgings. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 625, 321-330.	2.6	27
18	Hot Ductility Behavior of an 8ÂPct Cr Roller Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 1767-1775.	1.1	4

ZHENHUA WANG

#	Article	IF	CITATIONS
19	Effect of Grain Size on Dynamic Recrystallization and Hot-Ductility Behaviors in High-Nitrogen CrMn Austenitic Stainless Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 3631-3639.	1.1	25
20	Effects of mischmetal addition on phase transformation and as-cast microstructure characteristics of M2 high-speed steel. Journal of Rare Earths, 2013, 31, 628-633.	2.5	27
21	Study on transformation characteristics of carbides in an 8Â% Cr roller steel. Journal of Materials Science, 2012, 47, 7132-7137.	1.7	6
22	Mechanical Behavior and Microstructural Change of a High Nitrogen CrMn Austenitic Stainless Steel during Hot Deformation. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2010, 41, 1025-1032.	1.1	29
23	Effect of Hot Deformation on the Nitride Precipitation Behavior in High Nitrogen Austenitic Steel. Journal of Materials Engineering and Performance, 2010, 19, 951-954.	1.2	5
24	Study on hot deformation characteristics of 12%Cr ultra-super-critical rotor steel using processing maps and Zener–Hollomon parameter. Materials Characterization, 2010, 61, 25-30.	1.9	39
25	Effect of Preheating Temperature on Surface Cracking of High Nitrogen CrMn Austenitic Stainless Steel. Journal of Materials Science and Technology, 2010, 26, 798-802.	5.6	16
26	Processing maps and hot workability of Super304H austenitic heat-resistant stainless steel. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 517, 312-315.	2.6	48

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