Zunjie Wei

List of Publications by Year
in descending order

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28	731	687363 13	526287 27
papers	citations	h-index	g-index

28	28	28	617
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Microstructure Evolution of Mg-Sn-Y Alloy Solidified under High Pressure and Temperature Gradient. Crystals, 2022, 12, 149.	2.2	1
2	Cooperative effect of Mg and Si contents on the microstructural evolution, mechanical performance, and deformation behavior of cast Alâ€“Liâ€“Mgâ€“Si alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 841, 142976.	5.6	6
3	Enhanced tensile properties in a high-pressure synthesized Alâ€“Siâ€“Cu-Ge-Mg alloy with nano-sized Al particles in eutectic Si. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 839, 142850.	5.6	3
4	Microstructure and compression behavior of in-situ synthesized Ti2AlC reinforced Ti-48Al-2Cr alloy with carbon nanotubes addition. Journal of Alloys and Compounds, 2021, 862, 158646.	5.5	31
5	Effect of High Pressure and Temperature on the Evolution of Si Phase and Eutectic Spacing in Al-20Si Alloys. Crystals, 2021, 11, 705.	2.2	4
6	The effect of grain refinement and precipitation strengthening induced by Sc or Er alloying on the mechanical properties of cast Al-Li-Cu-Mg alloys at elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 822, 141641.	5.6	35
7	In situ formation of SiC in Alâ€“40Si alloy during high-pressure solidification. Ceramics International, 2021, 47, 24485-24493.	4.8	12
8	Microstructural evolution and mechanical properties of Alâ€“Siâ€“Cuâ€“(Ge)â€“(Mg) alloy solidified under high pressure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 827, 142065.	5.6	15
9	Microstructure and Nanohardness of Ti-48Al-2Cr Alloy Solidified under High Pressure. Applied Sciences (Switzerland), 2020, 10, 5394.	2.5	1
10	The Microstructure Evolution and Mass Transfer in Mushy Zone during High-Pressure Solidifying Hypoeutectic Al-Ni Alloy. Applied Sciences (Switzerland), 2020, 10, 7206.	2.5	2
11	The evolution of microstructure and mechanical properties at elevated temperature of cast Alâ€“Liâ€“Cuâ€“Mg alloys with Ni addition. Journal of Materials Research and Technology, 2020, 9, 11069-11079.	5.8	9
12	The effect of pressure-induced Mg64Zn15Y21 phase on the mechanical properties of Mgâ€“Znâ€“Y alloy. Journal of Alloys and Compounds, 2020, 840, 155682.	5.5	8
13	Effects of Cooling Rate on the Solidification and Microstructure of Nickel-Based Superalloy GTD222. Materials, 2019, 12, 1920.	2.9	8
14	Crystal structure and mechanical properties of a new ternary phase in Mg-Zn-Y alloy solidified under high pressure. Journal of Alloys and Compounds, 2017, 717, 214-218.	5.5	19
15	Microstructural evolution and mechanical strengthening mechanism of the high pressure heat treatment (HPHT) on Al-Mg alloy. Journal of Alloys and Compounds, 2017, 692, 629-633.	5.5	20
16	Modeling of yield strength in binary hypoeutectic alloy under high pressure solidification. Journal of Alloys and Compounds, 2016, 686, 727-732.	5.5	4
17	The effects of Nb content on microstructure and fracture behavior of near Î± titanium alloys. Materials & Design, 2015, 66, 267-273.	5.1	29
18	The thermal expansion behaviour of SiCp/Alâ€“20Si composites solidified under high pressures. Materials & Design, 2015, 65, 387-394.	5.1	60

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19	Influence of Annealing on Mechanical Properties of Al-20Si Processed by Selective Laser Melting. Metals, 2014, 4, 28-36.	2.3	144
20	Evolution of the microstructure and nanohardness of Tiâ€“48at.%Al alloy solidified under high pressure. Materials & Design, 2012, 34, 488-493.	5.1	32
21	Microstructure evolution and precipitation of SiC particle reinforced Alâ€“20Si composite solidified under high pressures. Materials Letters, 2012, 79, 232-234.	2.6	13
22	Microstructure evolution and modification mechanism of the ytterbium modified Alâ€“7.5%Siâ€“0.45%Mg alloys. Journal of Alloys and Compounds, 2011, 509, 3387-3392.	5.5	61
23	The formation mechanism and biocorrosion property of CaSiO₃/CaHPO₄ Â· 2H₂O composite conversion coating on the extruded Mgâ€Znâ€Ca alloy for bone implant applicationÂ·. Surface and Interface Analysis, 2011, 43, 791-794.	1.8	9
24	Surface microstructure and cell compatibility of calcium silicate and calcium phosphate composite coatings on Mgâ€“Znâ€“Mnâ€“Ca alloys for biomedical application. Colloids and Surfaces B: Biointerfaces, 2011, 83, 96-102.	5.0	47
25	Effects of yttrium and heat treatment on the microstructure and tensile properties of Alâ€“7.5Siâ€“0.5Mg alloy. Materials & Design, 2011, 32, 1617-1622.	5.1	112
26	Microstructure evolution of Alâ€“Mg alloy during solidification under high pressure. Materials Letters, 2010, 64, 869-871.	2.6	33
27	Valence electronic structure of tantalum carbide and nitride. Science in China Series G: Physics, Mechanics and Astronomy, 2007, 50, 737-741.	0.2	6
28	Microstructures and mechanical properties of as-cast TiAl alloys with higher C additions. Journal of Materials Science, 2002, 37, 1809-1812.	3.7	7