Zheng-yang Hu

List of Publications by Year
in descending order

21	905	840776 11	752698 20
papers	citations	h-index	g-index

21	21	21	801
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of the sintering temperature on the microstructure, mechanical properties and densification characteristics of (TiBÂ+ÂTiC)/TC4 composite. Materials Research Express, 2021, 8, 126517.	1.6	2
2	Mechanical properties and pre-oxidation behavior of spark plasma sintered B4C ceramics using (Ti3SiC2+CeO2/La2O3) as sintering aid. Ceramics International, 2020, 46, 22189-22196.	4.8	12
3	Microstructure and mechanical properties of B4C ceramics by spark plasma sintering. Journal of Physics: Conference Series, 2020, 1676, 012084.	0.4	0
4	Influences of the pre-oxidation time on the microstructure and flexural strength of monolithic B4C ceramic and TiB2-SiC/B4C composite ceramic. Journal of Alloys and Compounds, 2020, 831, 154852.	5.5	13
5	A review of multi-physical fields induced phenomena and effects in spark plasma sintering: Fundamentals and applications. Materials and Design, 2020, 191, 108662.	7.0	286
6	Microstructure and mechanical properties of B₄C matrix composites sintered with (TiB₂+Al). Journal of Physics: Conference Series, 2020, 1676, 012046.	0.4	1
7	Strain induced additional growth and high integrity of TiB-whiskers in titanium matrix composite: intrinsic mechanisms and superior strengthening effects. Materials Research Express, 2019, 6, 126519.	1.6	8
8	Microstructure and mechanical properties of super-hard B4C ceramic fabricated by spark plasma sintering with (Ti3SiC2+Si) as sintering aid. Ceramics International, 2019, 45, 8790-8797.	4.8	30
9	A rapid route to fabricate in situ TiB-whisker-reinforced Ti-6Al-4V alloy composites by spark plasma sintering and heat treatment. Materials Research Express, 2019, 6, 1265d3.	1.6	3
10	A rapid route for synthesizing Ti-(AlxTiy/UFG Al) core-multishell structured particles reinforced Al matrix composite with promising mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 721, 61-64.	5.6	7
11	Interface structure and properties of CNTs/Cu composites fabricated by electroless deposition and spark plasma sintering. Materials Research Express, 2018, 5, 015602.	1.6	3
12	Improvement of interfacial interaction and mechanical properties in copper matrix composites reinforced with copper coated carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 715, 163-173.	5.6	61
13	Microstructure evolution and tensile properties of Ti-(AlxTiy) core-shell structured particles reinforced aluminum matrix composites after hot-rolling/heat-treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 737, 90-93.	5.6	6
14	Fully dense B4C ceramics fabricated by spark plasma sintering at relatively low temperature. Materials Research Express, 2018, 5, 105201.	1.6	12
15	Spark plasma sintering of B4C-TiB2-SiC composite ceramics using B4C, Ti3SiC2 and Si as starting materials. Ceramics International, 2018, 44, 21626-21632.	4.8	39
16	Novel synthesizing and characterization of copper matrix composites reinforced with carbon nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 696, 80-89.	5.6	86
17	The influence of defect structures on the mechanical properties of Ti-6Al-4V alloys deformed by high-pressure torsion at ambient temperature. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 684, 1-13.	5.6	38
18	Investigation on the microstructure, room and high temperature mechanical behaviors and strengthening mechanisms of the (TiB+TiC)/TC4 composites. Journal of Alloys and Compounds, 2017, 726, 240-253.	5.5	88

#	Article	IF	Citations
19	Microstructures and mechanical properties of bulk nanocrystalline silver fabricated by spark plasma sintering. Journal of Materials Research, 2016, 31, 2223-2232.	2.6	3
20	Synergistic strengthening effect of nanocrystalline copper reinforced with carbon nanotubes. Scientific Reports, 2016, 6, 26258.	3.3	45
21	Rapid and low temperature spark plasma sintering synthesis of novel carbon nanotube reinforced titanium matrix composites. Carbon, 2015, 95, 396-407.	10.3	162