

Zheng-yang Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7267291/publications.pdf>

Version: 2024-02-01

21
papers

905
citations

840585

11
h-index

752573

20
g-index

21
all docs

21
docs citations

21
times ranked

801
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the sintering temperature on the microstructure, mechanical properties and densification characteristics of (TiB ₂ +TiC)/TC4 composite. <i>Materials Research Express</i> , 2021, 8, 126517.	0.8	2
2	Mechanical properties and pre-oxidation behavior of spark plasma sintered B ₄ C ceramics using (Ti ₃ SiC ₂ +CeO ₂ /La ₂ O ₃) as sintering aid. <i>Ceramics International</i> , 2020, 46, 22189-22196.	2.3	12
3	Microstructure and mechanical properties of B ₄ C ceramics by spark plasma sintering. <i>Journal of Physics: Conference Series</i> , 2020, 1676, 012084.	0.3	0
4	Influences of the pre-oxidation time on the microstructure and flexural strength of monolithic B ₄ C ceramic and TiB ₂ -SiC/B ₄ C composite ceramic. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154852.	2.8	13
5	A review of multi-physical fields induced phenomena and effects in spark plasma sintering: Fundamentals and applications. <i>Materials and Design</i> , 2020, 191, 108662.	3.3	286
6	Microstructure and mechanical properties of B ₄ C matrix composites sintered with (TiB ₂ +Al). <i>Journal of Physics: Conference Series</i> , 2020, 1676, 012046.	0.3	1
7	Strain induced additional growth and high integrity of TiB-whiskers in titanium matrix composite: intrinsic mechanisms and superior strengthening effects. <i>Materials Research Express</i> , 2019, 6, 126519.	0.8	8
8	Microstructure and mechanical properties of super-hard B ₄ C ceramic fabricated by spark plasma sintering with (Ti ₃ SiC ₂ +Si) as sintering aid. <i>Ceramics International</i> , 2019, 45, 8790-8797.	2.3	30
9	A rapid route to fabricate <i>in situ</i> TiB-whisker-reinforced Ti-6Al-4V alloy composites by spark plasma sintering and heat treatment. <i>Materials Research Express</i> , 2019, 6, 1265d3.	0.8	3
10	A rapid route for synthesizing Ti-(AlxTi _y /UFG Al) core-multishell structured particles reinforced Al matrix composite with promising mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 721, 61-64.	2.6	7
11	Interface structure and properties of CNTs/Cu composites fabricated by electroless deposition and spark plasma sintering. <i>Materials Research Express</i> , 2018, 5, 015602.	0.8	3
12	Improvement of interfacial interaction and mechanical properties in copper matrix composites reinforced with copper coated carbon nanotubes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 715, 163-173.	2.6	61
13	Microstructure evolution and tensile properties of Ti-(AlxTi _y) core-shell structured particles reinforced aluminum matrix composites after hot-rolling/heat-treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 737, 90-93.	2.6	6
14	Fully dense B ₄ C ceramics fabricated by spark plasma sintering at relatively low temperature. <i>Materials Research Express</i> , 2018, 5, 105201.	0.8	12
15	Spark plasma sintering of B ₄ C-TiB ₂ -SiC composite ceramics using B ₄ C, Ti ₃ SiC ₂ and Si as starting materials. <i>Ceramics International</i> , 2018, 44, 21626-21632.	2.3	39
16	Novel synthesizing and characterization of copper matrix composites reinforced with carbon nanotubes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 696, 80-89.	2.6	86
17	The influence of defect structures on the mechanical properties of Ti-6Al-4V alloys deformed by high-pressure torsion at ambient temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 684, 1-13.	2.6	38
18	Investigation on the microstructure, room and high temperature mechanical behaviors and strengthening mechanisms of the (TiB+TiC)/TC4 composites. <i>Journal of Alloys and Compounds</i> , 2017, 726, 240-253.	2.8	88

#	ARTICLE	IF	CITATIONS
19	Microstructures and mechanical properties of bulk nanocrystalline silver fabricated by spark plasma sintering. <i>Journal of Materials Research</i> , 2016, 31, 2223-2232.	1.2	3
20	Synergistic strengthening effect of nanocrystalline copper reinforced with carbon nanotubes. <i>Scientific Reports</i> , 2016, 6, 26258.	1.6	45
21	Rapid and low temperature spark plasma sintering synthesis of novel carbon nanotube reinforced titanium matrix composites. <i>Carbon</i> , 2015, 95, 396-407.	5.4	162