

Lun Feng

List of Publications by Year in descending order

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27
papers

1,082
citations

394286

19
h-index

526166

27
g-index

27
all docs

27
docs citations

27
times ranked

609
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of single-phase high-entropy carbide powders. Scripta Materialia, 2019, 162, 90-93.	2.6	162
2	Low-temperature sintering of single-phase, high-entropy carbide ceramics. Journal of the American Ceramic Society, 2019, 102, 7217-7224.	1.9	128
3	Strength of single-phase high-entropy carbide ceramics up to 2300°C. Journal of the American Ceramic Society, 2021, 104, 419-427.	1.9	104
4	Processing of dense high-entropy boride ceramics. Journal of the European Ceramic Society, 2020, 40, 3815-3823.	2.8	62
5	Two-step synthesis process for high-entropy diboride powders. Journal of the American Ceramic Society, 2020, 103, 724-730.	1.9	59
6	Superhard high-entropy AlB ₂ -type diboride ceramics. Scripta Materialia, 2021, 199, 113855.	2.6	56
7	High-Entropy Ultra-High-Temperature Borides and Carbides: A New Class of Materials for Extreme Environments. Annual Review of Materials Research, 2021, 51, 165-185.	4.3	53
8	The effects of SiC precursors on the microstructures and mechanical properties of SiCf/SiC composites prepared via polymer impregnation and pyrolysis process. Ceramics International, 2015, 41, 4145-4153.	2.3	51
9	Effect of Nb content on the phase composition, densification, microstructure, and mechanical properties of high-entropy boride ceramics. Journal of the European Ceramic Society, 2021, 41, 92-100.	2.8	45
10	The processing and properties of (Zr, Hf)B ₂ -SiC nanostructured composites. Journal of the European Ceramic Society, 2014, 34, 4105-4109.	2.8	38
11	Entropy Landscaping of High-Entropy Carbides. Advanced Materials, 2021, 33, e2102904.	11.1	38
12	Synthesis and densification of nano-crystalline hafnium carbide powder. Journal of the European Ceramic Society, 2015, 35, 4073-4081.	2.8	35
13	Densification, microstructure, and mechanical properties of ZrC-SiC ceramics. Journal of the American Ceramic Society, 2019, 102, 5786-5795.	1.9	32
14	Nanostructured HfC-SiC composites prepared by high-energy ball-milling and reactive spark plasma sintering. Journal of the European Ceramic Society, 2016, 36, 235-238.	2.8	29
15	Effect of ZrB ₂ content on the densification, microstructure, and mechanical properties of ZrC-SiC ceramics. Journal of the European Ceramic Society, 2020, 40, 220-225.	2.8	28
16	Synthesis of a Fine (Ta _{0.8} Hf _{0.2})C Powder from Carbide or Oxide Powder Mixtures. Journal of the American Ceramic Society, 2016, 99, 1129-1132.	1.9	25
17	Nano-sized zirconium carbide powder: Synthesis and densification using a spark plasma sintering apparatus. International Journal of Refractory Metals and Hard Materials, 2017, 64, 98-105.	1.7	25
18	Low-temperature Sintering of HfC/SiC Nanocomposites Using HfSi ₂ Additives. Journal of the American Ceramic Society, 2016, 99, 2632-2638.	1.9	23

#	ARTICLE	IF	CITATIONS
19	Effects of high-energy ball milling and reactive spark plasma sintering on the densification of HfC-SiC composites. Journal of the European Ceramic Society, 2017, 37, 1891-1898.	2.8	21
20	High-entropy boride-carbide ceramics by sequential boro/carbothermal synthesis. Journal of the American Ceramic Society, 2022, 105, 5543-5547.	1.9	18
21	In situ synthesis, microstructure and mechanical properties of nano-structured SiC-ZrC composite prepared by spark plasma sintering. Journal of Alloys and Compounds, 2018, 738, 301-306.	2.8	17
22	Superhard single-phase (Ti,Cr)B ₂ ceramics. Journal of the American Ceramic Society, 2022, 105, 5032-5038.	1.9	8
23	Dispersion and densification of nano Si-(Al)-C powder with amorphous/nanocrystalline bimodal microstructure. Journal of the American Ceramic Society, 2018, 101, 2760-2769.	1.9	6
24	Synthesis, densification, microstructure, and mechanical properties of samarium hexaboride ceramic. Journal of the American Ceramic Society, 2019, 102, 1379-1385.	1.9	6
25	Significance of modification of slurry infiltration process for the precursor impregnation and pyrolysis process of SiCf/SiC composites. Journal of the European Ceramic Society, 2020, 40, 2245-2251.	2.8	6
26	Dispersion behavior of HfC-based nanopowders in ethanol. International Journal of Applied Ceramic Technology, 2020, 17, 1498-1504.	1.1	4
27	Effect of residual excess carbon on the densification of ultra-fine HfC powder. Journal of the European Ceramic Society, 2020, 40, 1801-1810.	2.8	3