

Hua Jin

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

305
citations

840776

11
h-index

940533

16
g-index

30
all docs

30
docs citations

30
times ranked

247
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of oxidation temperature, time, and ambient pressure on the oxidation of ZrB ₂ -SiC-graphite composites in atomic oxygen. <i>Journal of the European Ceramic Society</i> , 2016, 36, 1855-1861.	5.7	31
2	Predicting the effective properties of 3D needled carbon/carbon composites by a hierarchical scheme with a fiber-based representative unit cell. <i>Composite Structures</i> , 2017, 172, 198-209.	5.8	28
3	Effect of environment atmosphere on thermal shock resistance of the ZrB ₂ -SiC-graphite composite. <i>Materials & Design</i> , 2013, 50, 509-514.	5.1	26
4	Electrical conductivity change induced by porosity within polymer-derived SiCN ceramics. <i>Journal of Alloys and Compounds</i> , 2019, 777, 1010-1016.	5.5	20
5	Effects of oxygen partial pressure on the oxidation of ZrB ₂ -SiC-graphite composites at 1800 Å°C. <i>Ceramics International</i> , 2016, 42, 6480-6486.	4.8	18
6	Thermal shock resistance of a ZrB ₂ -SiC-graphite composite in low oxygen partial pressure environment. <i>Ceramics International</i> , 2013, 39, 5591-5596.	4.8	16
7	Oxidation of ZrB ₂ -SiC-Graphite Composites Under Low Oxygen Partial Pressures of 500 and 1500 Pa at 1800Å°C. <i>Journal of the American Ceramic Society</i> , 2016, 99, 2474-2480.	3.8	16
8	HfB ₂ -CNTs composites with enhanced mechanical properties prepared by spark plasma sintering. <i>Ceramics International</i> , 2017, 43, 2170-2173.	4.8	16
9	Investigation of the parameters of carbon nanotube growth on zirconium diboride supported Ni catalyst via CVD. <i>Diamond and Related Materials</i> , 2021, 115, 108347.	3.9	15
10	ZrB ₂ -CNTs Nanocomposites Fabricated by Spark Plasma Sintering. <i>Materials</i> , 2016, 9, 967.	2.9	13
11	Thermal stability and nanostructure evolution of amorphous SiCN ceramics during laser ablation in an argon atmosphere. <i>Journal of the European Ceramic Society</i> , 2019, 39, 4535-4544.	5.7	13
12	ZrO ₂ -induced crack-healing mechanism of ZrB ₂ -SiC-Graphite composite in high temperature atomic oxygen environment. <i>Ceramics International</i> , 2016, 42, 5562-5568.	4.8	11
13	Modified double-notched specimen for ultra-high temperatures shear-strength testing of carbon/carbon composites. <i>Journal of the European Ceramic Society</i> , 2019, 39, 4654-4663.	5.7	11
14	A novel method to evaluate the thermal shock behavior of ZrB ₂ -SiC-graphite composites under alternating complex thermal stress environments. <i>Ceramics International</i> , 2016, 42, 16354-16358.	4.8	10
15	Mechanism analysis of thermal shock properties for ZrB ₂ -20%SiCp-10%AlN ultra-high temperature ceramic with the surface defects. <i>Solid State Sciences</i> , 2010, 12, 1667-1671.	3.2	8
16	R-curve behavior, mechanical properties and microstructure of sintered ZrB ₂ -SiCp-ZrO ₂ f ceramics. <i>Journal of the European Ceramic Society</i> , 2012, 32, 1743-1749.	5.7	8
17	An experimental study of ultra-high temperature ceramics under tension subject to an environment with elevated temperature, mechanical stress and oxygen. <i>Science China Technological Sciences</i> , 2019, 62, 1349-1356.	4.0	8
18	Continuous regulation from fully dense to high porosity within polymer-derived SiCN ceramics. <i>Ceramics International</i> , 2018, 44, 40-45.	4.8	6

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19	In situ synthesis of CNTs in HfB ₂ powders by chemical vapor deposition of methane to fabricate reinforced HfB ₂ composites. <i>Journal of Alloys and Compounds</i> , 2018, 745, 1-7.	5.5	5
20	improved laser ablation resistance of Si-C-N precursor derived ceramics in air. <i>Ceramics International</i> , 2018, 44, 23267-23272.	4.8	5
21	Fabrication and Thermal Structural Characteristics of Ultra-high Temperature Ceramic Struts in Scramjets. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 375-380.	1.0	4
22	Spatially resolved ground state atomic oxygen density during the mode transition of inductively coupled oxygen plasmas. <i>Vacuum</i> , 2019, 164, 98-104.	3.5	4
23	Measurement of the high-temperature strain of UHTC materials using chemical composition gratings. <i>Measurement Science and Technology</i> , 2016, 27, 055101.	2.6	3
24	Fabrication and properties of $\langle \text{C} \rangle/\text{Ni}/\text{Y}/\text{ZrB}_2$ nanocomposites reinforced in situ. <i>Journal of the American Ceramic Society</i> , 2018, 101, 1747-1753.	3.8	3
25	Growth of multi-morphology amorphous silicon oxycarbide nanowires during the laser ablation of polymer-derived silicon carbonitride. <i>Ceramics International</i> , 2020, 46, 2086-2092.	4.8	3
26	Evaluation of atomic oxygen catalytic coefficient of ZrB ₂ -SiC by laser-induced fluorescence up to 1473 K. <i>Measurement Science and Technology</i> , 2018, 29, 075207.	2.6	2
27	Application of CCG Sensors to a High-Temperature Structure Subjected to Thermo-Mechanical Load. <i>Sensors</i> , 2016, 16, 1686.	3.8	1
28	Measurement of high-temperature strains in superalloy and carbon/carbon composites using chemical composition gratings. <i>Strain</i> , 2017, 53, e12218.	2.4	1
29	The Influential Factors Analysis of Surface Crack Propagation Behavior of ZrB ₂ -20%SiC-10%AlN Ceramic Subjected to Thermal Shock. <i>Advanced Materials Research</i> , 0, 486, 166-173.	0.3	0
30	Comparison of carbon nanotube deposition on HfB ₂ , ZrB ₂ , and TiB ₂ by chemical vapor decomposition. <i>Materials Today Communications</i> , 2021, 28, 102540.	1.9	0