Hua Jin

List of Publications by Year in descending order

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	Investigation of the parameters of carbon nanotube growth on zirconium diboride supported Ni catalyst via CVD. Diamond and Related Materials, 2021, 115, 108347.	3.9	15
2	Comparison of carbon nanotube deposition on HfB2, ZrB2, and TiB2 by chemical vapor decomposition. Materials Today Communications, 2021, 28, 102540.	1.9	0
3	Growth of multi-morphology amorphous silicon oxycarbide nanowires during the laser ablation of polymer-derived silicon carbonitride. Ceramics International, 2020, 46, 2086-2092.	4.8	3
4	An experimental study of ultra-high temperature ceramics under tension subject to an environment with elevated temperature, mechanical stress and oxygen. Science China Technological Sciences, 2019, 62, 1349-1356.	4.0	8
5	Thermal stability and nanostructure evolution of amorphous SiCN ceramics during laser ablation in an argon atmosphere. Journal of the European Ceramic Society, 2019, 39, 4535-4544.	5.7	13
6	Modified double-notched specimen for ultra-high temperatures shear-strength testing of carbon/carbon composites. Journal of the European Ceramic Society, 2019, 39, 4654-4663.	5.7	11
7	Spatially resolved ground state atomic oxygen density during the mode transition of inductively coupled oxygen plasmas. Vacuum, 2019, 164, 98-104.	3.5	4
8	Electrical conductivity change induced by porosity within polymer-derived SiCN ceramics. Journal of Alloys and Compounds, 2019, 777, 1010-1016.	5.5	20
9	In situ synthesis of CNTs in HfB2 powders by chemical vapor deposition of methane to fabricate reinforced HfB2 composites. Journal of Alloys and Compounds, 2018, 745, 1-7.	5.5	5
10	Fabrication and Thermal Structural Characteristics of Ultra-high Temperature Ceramic Struts in Scramjets. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 375-380.	1.0	4
11	Evaluation of atomic oxygen catalytic coefficient of ZrB₂â€“SiC by laser-induced fluorescence up to 1473 K. Measurement Science and Technology, 2018, 29, 075207.	2.6	2
12	Fabrication and properties of <scp>CNT</scp>/Ni/Y/ZrB₂ nanocomposites reinforced in situ. Journal of the American Ceramic Society, 2018, 101, 1747-1753.	3.8	3
13	Continuous regulation from fully dense to high porosity within polymer-derived SiCN ceramics. Ceramics International, 2018, 44, 40-45.	4.8	6
14	improved laser ablation resistance of Si-C-N precursor derived ceramics in air. Ceramics International, 2018, 44, 23267-23272.	4.8	5
15	Predicting the effective properties of 3D needled carbon/carbon composites by a hierarchical scheme with a fiber-based representative unit cell. Composite Structures, 2017, 172, 198-209.	5.8	28
16	Measurement of highâ€temperature strains in superalloy and carbon/carbon composites using chemical composition gratings. Strain, 2017, 53, e12218.	2.4	1
17	HfB2-CNTs composites with enhanced mechanical properties prepared by spark plasma sintering. Ceramics International, 2017, 43, 2170-2173.	4.8	16
18	ZrB2-CNTs Nanocomposites Fabricated by Spark Plasma Sintering. Materials, 2016, 9, 967.	2.9	13

#	Article	IF	Citations
19	Application of CCG Sensors to a High-Temperature Structure Subjected to Thermo-Mechanical Load. Sensors, 2016, 16, 1686.	3.8	1
20	Oxidation of ZrB₂â€“SiCâ€Graphite Composites Under Low Oxygen Partial Pressures of 500 and 1500 Pa at 1800Â°C. Journal of the American Ceramic Society, 2016, 99, 2474-2480.	3.8	16
21	Measurement of the high-temperature strain of UHTC materials using chemical composition gratings. Measurement Science and Technology, 2016, 27, 055101.	2.6	3
22	A novel method to evaluate the thermal shock behavior of ZrB2-SiC-graphite composites under alternating complex thermal stress environments. Ceramics International, 2016, 42, 16354-16358.	4.8	10
23	ZrO2-induced crack-healing mechanism of ZrB2â€“SiCâ€“Graphite composite in high temperature atomic oxygen environment. Ceramics International, 2016, 42, 5562-5568.	4.8	11
24	Effects of oxidation temperature, time, and ambient pressure on the oxidation of ZrB 2 â€“SiCâ€“graphite composites in atomic oxygen. Journal of the European Ceramic Society, 2016, 36, 1855-1861.	5.7	31
25	Effects of oxygen partial pressure on the oxidation of ZrB2â€“SiCâ€“graphite composites at 1800 Â°C. Ceramics International, 2016, 42, 6480-6486.	4.8	18
26	Thermal shock resistance of a ZrB2â€“SiCâ€“graphite composite in low oxygen partial pressure environment. Ceramics International, 2013, 39, 5591-5596.	4.8	16
27	Effect of environment atmosphere on thermal shock resistance of the ZrB2â€“SiCâ€“graphite composite. Materials & Design, 2013, 50, 509-514.	5.1	26
28	R-curve behavior, mechanical properties and microstructure of sintered ZrB2â€“SiCpâ€“ZrO2f ceramics. Journal of the European Ceramic Society, 2012, 32, 1743-1749.	5.7	8
29	Mechanism analysis of thermal shock properties for ZrB2-20%SiCp-10%AlN ultra-high temperature ceramic with the surface defects. Solid State Sciences, 2010, 12, 1667-1671.	3.2	8
30	The Influential Factors Analysis of Surface Crack Propagation Behavior of ZrB₂-20%SiC-10%AlN Ceramic Subjected to Thermal Shock. Advanced Materials Research, 0, 486, 166-173.	0.3	0