

Guangdong Zhao

List of Publications by Year in descending order

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26
papers

1,040
citations

567281

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h-index

552781

26
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26
docs citations

26
times ranked

1406
citing authors

#	ARTICLE	IF	CITATIONS
1	Microstructural regulation, oxidation resistance, and mechanical properties of Cf/SiC/SiHfBOC composites prepared by chemical vapor infiltration with precursor infiltration pyrolysis. <i>Journal of Advanced Ceramics</i> , 2022, 11, 120-135.	17.4	16
2	Molecular design for thermally stable SiZrBOC structure from single source precursor with high ceramic yield. <i>Journal of the European Ceramic Society</i> , 2022, 42, 1332-1340.	5.7	17
3	Eco-friendly and sustainable approach of assembling sugars into biobased carbon fibers. <i>Green Chemistry</i> , 2022, 24, 5097-5106.	9.0	7
4	Design of a ductile carbon nanofiber/ZrB ₂ nanohybrid film with entanglement structure fabricated by electrostatic spinning. <i>Ceramics International</i> , 2021, 47, 15114-15120.	4.8	13
5	Straightforward synthesis and molecular structure optimization of novel SiZrBOC ceramic precursor via sol-gel and solvothermal approach. <i>Ceramics International</i> , 2020, 46, 3866-3874.	4.8	6
6	Effect of Hf and B incorporation on the SiOC precursor architecture and high-temperature oxidation behavior of SiHfBOC ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 324-332.	5.7	25
7	Multifunctional Thermal Barrier Application Composite with SiC Nanowires Enhanced Structural Health Monitoring Sensitivity and Interface Performance. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27955-27964.	8.0	14
8	In Situ Growth of Core-Sheath Heterostructural SiC Nanowire Arrays on Carbon Fibers and Enhanced Electromagnetic Wave Absorption Performance. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6320-6331.	8.0	285
9	Carbon Nanofiber Arrays Grown on Three-Dimensional Carbon Fiber Architecture Substrate and Enhanced Interface Performance of Carbon Fiber and Zirconium Carbide Coating. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17337-17346.	8.0	34
10	Enhanced mechanical, thermal, and electric properties of graphene aerogels via supercritical ethanol drying and high-temperature thermal reduction. <i>Scientific Reports</i> , 2017, 7, 1439.	3.3	115
11	Microstructure and ablation behavior of double anti-oxidation protection for carbon-bonded carbon fiber composites. <i>Ceramics International</i> , 2017, 43, 783-790.	4.8	14
12	Silica bonded mullite fiber composite with isotropic geometry and properties for thermal insulating. <i>Journal of Alloys and Compounds</i> , 2017, 728, 1049-1057.	5.5	8
13	Chemical Vapor Deposition Synthesis Carbon Nanosheet-Coated Zirconium Diboride Particles for Improved Fracture Toughness. <i>Journal of the American Ceramic Society</i> , 2016, 99, 1360-1366.	3.8	8
14	Oxidation protective ZrB ₂ -SiC coatings with ferrocene addition on SiC coated graphite. <i>Ceramics International</i> , 2016, 42, 2654-2661.	4.8	28
15	Preparation, characterization, and properties of graphene-based composite aerogels via in situ polymerization and three-dimensional self-assembly from graphene oxide solution. <i>RSC Advances</i> , 2016, 6, 78538-78547.	3.6	15
16	Synergistic effect on the mechanical behaviors of ternary graphene oxide-zirconium diboride-poly(vinyl alcohol) papers. <i>Materials and Design</i> , 2016, 112, 275-281.	7.0	13
17	Bioinspired high toughness graphene/ZrB ₂ hybrid composites with hierarchical architectures spanning several length scales. <i>Carbon</i> , 2016, 107, 209-216.	10.3	46
18	Ordered Silica Nanoparticles Grown on a Three-Dimensional Carbon Fiber Architecture Substrate with Siliconborocarbonitride Ceramic as a Thermal Barrier Coating. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 4216-4225.	8.0	34

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19	Graphene nanosheet reinforced ZrB ₂ -SiC ceramic composite by thermal reduction of graphene oxide. RSC Advances, 2015, 5, 47060-47065.	3.6	70
20	(ZrB ₂ -SiC)/SiC oxidation protective coatings for graphite materials. Ceramics International, 2015, 41, 6941-6949.	4.8	42
21	Preparation of a multi-composition coating for oxidation protection of modified carbon-bonded carbon fiber composites by a rapid sintering method. Surface and Coatings Technology, 2015, 270, 109-116.	4.8	30
22	Graphene oxide grafted carbon fiber reinforced siliconborocarbonitride ceramics with enhanced thermal stability. Carbon, 2015, 95, 157-165.	10.3	66
23	Synthesis of an amphiphilic PEG-PCL-PSt-PLLA-PAA star quintopolymer and its self-assembly for pH-sensitive drug delivery. Polymer Chemistry, 2014, 5, 3071-3080.	3.9	30
24	Precise Synthesis of ABCDE Star Quintopolymers by Combination of Controlled Polymerization and Azide-Alkyne Cycloaddition Reaction. Macromolecules, 2012, 45, 7429-7439.	4.8	38
25	Facile synthesis of highly pure block copolymers by combination of RAFT polymerization, click reaction and de-grafting process. Polymer Chemistry, 2012, 3, 1803-1812.	3.9	24
26	Synthesis and properties of monocleavable amphiphilic comblike copolymers with alternating PEG and PCL grafts. Journal of Polymer Science Part A, 2012, 50, 3135-3148.	2.3	42