

Guangdong Zhao

List of Publications by Year in descending order

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26
papers

1,040
citations

567281

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552781

26
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all docs

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docs citations

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times ranked

1406
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Graphene nanosheet reinforced ZrB ₂ –SiC ceramic composite by thermal reduction of graphene oxide. <i>RSC Advances</i> , 2015, 5, 47060-47065.	3.6	70
4	Graphene oxide grafted carbon fiber reinforced siliconborocarbonitride ceramics with enhanced thermal stability. <i>Carbon</i> , 2015, 95, 157-165.	10.3	66
5	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
6	Synthesis and properties of monocleavable amphiphilic comblike copolymers with alternating PEG and PCL grafts. <i>Journal of Polymer Science Part A</i> , 2012, 50, 3135-3148.	2.3	42
7	(ZrB ₂ –SiC)/SiC oxidation protective coatings for graphite materials. <i>Ceramics International</i> , 2015, 41, 6941-6949.	4.8	42
8	Precise Synthesis of ABCDE Star Quintopolymers by Combination of Controlled Polymerization and Azide–Alkyne Cycloaddition Reaction. <i>Macromolecules</i> , 2012, 45, 7429-7439.	4.8	38
9	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
10	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
11	Synthesis of an amphiphilic PEG-PCL-PSt-PLLA-PAA star quintopolymer and its self-assembly for pH-sensitive drug delivery. <i>Polymer Chemistry</i> , 2014, 5, 3071-3080.	3.9	30
12	Preparation of a multi-composition coating for oxidation protection of modified carbon-bonded carbon fiber composites by a rapid sintering method. <i>Surface and Coatings Technology</i> , 2015, 270, 109-116.	4.8	30
13	Oxidation protective ZrB ₂ –SiC coatings with ferrocene addition on SiC coated graphite. <i>Ceramics International</i> , 2016, 42, 2654-2661.	4.8	28
14	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
15	Facile synthesis of highly pure block copolymers by combination of RAFT polymerization, click reaction and de-grafting process. <i>Polymer Chemistry</i> , 2012, 3, 1803-1812.	3.9	24
16	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
17	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
18	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

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19	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
20	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
21	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
22	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
23	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
24	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
25	Eco-friendly and sustainable approach of assembling sugars into biobased carbon fibers. <i>Green Chemistry</i> , 2022, 24, 5097-5106.	9.0	7
26	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