

Zhang Junxiong

List of Publications by Year in descending order

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31
papers

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623734

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411
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#	ARTICLE	IF	CITATIONS
1	Porous SiC/melamine-derived carbon foam frameworks with excellent electromagnetic wave absorbing capacity. <i>Journal of Advanced Ceramics</i> , 2019, 8, 479-488.	17.4	89
2	Novel Three-Dimensional SiC/Melamine-Derived Carbon Foam-Reinforced SiO ₂ Aerogel Composite with Low Dielectric Loss and High Impedance Matching Ratio. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2774-2783.	6.7	44
3	Microstructure and Microwave Absorption Performance Variation of SiC/C Foam at Different Elevated-Temperature Heat Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 18395-18404.	6.7	43
4	Hollow SiC foam with a double interconnected network for superior microwave absorption ability. <i>Journal of Alloys and Compounds</i> , 2020, 817, 153276.	5.5	41
5	Synthesis and microwave absorption properties of novel reticulation SiC/Porous melamine-derived carbon foam. <i>Journal of Alloys and Compounds</i> , 2019, 791, 883-891.	5.5	34
6	Enhanced Electromagnetic Absorption Properties of Novel 3D-CF/PyC Modified by Reticulated SiC Coating. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11386-11395.	6.7	30
7	Effects of SiC coating on microwave absorption of novel three-dimensional reticulated SiC/porous carbon foam. <i>Ceramics International</i> , 2019, 45, 8660-8668.	4.8	29
8	Development of novel CsFâ€“RbFâ€“AlF ₃ flux for brazing aluminum to stainless steel with Znâ€“Al filler metal. <i>Materials & Design</i> , 2014, 64, 110-115.	5.1	25
9	Solvothermal synthesis of spinel ZnFe ₂ O ₄ nanoparticles with enhanced infrared radiation property. <i>Chemical Physics Letters</i> , 2019, 732, 136647.	2.6	24
10	Double network nested foam composites with tunable electromagnetic wave absorption performances. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1579-1586.	6.0	24
11	Microstructure characterization and thermal performance of reticulated SiC skeleton reinforced silica aerogel composites. <i>Composites Part B: Engineering</i> , 2019, 177, 107409.	12.0	23
12	Ultralight and thermal insulation carbon foam/SiO ₂ aerogel composites. <i>Journal of Porous Materials</i> , 2019, 26, 1305-1312.	2.6	23
13	Effect of pyrolysis temperature on compression and thermal properties of melamine-derived carbon foam. <i>Journal of Analytical and Applied Pyrolysis</i> , 2019, 142, 104619.	5.5	21
14	Hydrophobic silica aerogels prepared by microwave irradiation. <i>Chemical Physics Letters</i> , 2021, 762, 138127.	2.6	17
15	Effect of thickness of SiC films on compression and thermal properties of SiC/CF composites. <i>Ceramics International</i> , 2019, 45, 4674-4679.	4.8	12
16	SiC network reinforced SiO ₂ aerogel with improved compressive strength and preeminent microwave absorption at elevated temperatures. <i>Ceramics International</i> , 2021, 47, 31497-31505.	4.8	12
17	Mechanical and thermal properties of reticulated SiC aerogel composite prepared by template method. <i>Journal of Composite Materials</i> , 2019, 53, 4117-4124.	2.4	8
18	Correlation between the Thermo-physical Properties and Core Material Structure of Vacuum Insulation Panel: Role of Fiber Types. <i>Fibers and Polymers</i> , 2018, 19, 1032-1038.	2.1	7

#	ARTICLE	IF	CITATIONS
19	Maximized pseudo-graphitic content in self-supported hollow interconnected carbon foam boosting ultrastable Na-ion storage. <i>Electrochimica Acta</i> , 2021, 371, 137776.	5.2	7
20	High-Quality Natural Fibers from Cotton Stalk Bark via Limited Alkali Penetration and Simultaneous Accelerated Temperature Rise. <i>Materials</i> , 2022, 15, 422.	2.9	6
21	Two-layer separation technology of melt-spinning ceramic wool. <i>Materials Research Express</i> , 2018, 5, 115201.	1.6	5
22	Comparative Study on the Activity of GaF ₃ and Ga ₂ O ₃ Nanoparticle-Doped CsF-AlF ₃ Flux for Brazing 6061 Al/Q235 Steel Joints. <i>Crystals</i> , 2020, 10, 498.	2.2	5
23	Rapid synthesis of silica aerogels by microwave irradiation. <i>Journal of Porous Materials</i> , 2021, 28, 1469-1479.	2.6	5
24	Optimization of pyrolysis process of porous carbon foam by orthogonal test design and evaluation of its mechanical property. <i>Materials Research Express</i> , 2019, 6, 075601.	1.6	4
25	Compressive behavior of the SiC-NWs/MCF composites with a designed double-nest microstructure. <i>Journal of Materials Science</i> , 2020, 55, 4170-4178.	3.7	4
26	Inducing the Effect of a Ga ₂ O ₃ Nano-Particle on the CsF-RbF-AlF ₃ Flux for Brazing Aluminum to Carbon Steels. <i>Crystals</i> , 2020, 10, 183.	2.2	4
27	Arisen Ni-Si compounds in the fabricated SiC-NWs/melamine-based carbon foam composites with ultralow thermal conductivity. <i>Materials Research Express</i> , 2019, 6, 065608.	1.6	3
28	Effect of Various Nanoparticles (GaF ₃ , ZnF ₂ , Zn(BF ₄) ₂ and Ga ₂ O ₃) Additions on the Activity of CsF-RbF-AlF ₃ Flux and Mechanical Behavior of Al/Steel Brazed Joints. <i>Crystals</i> , 2020, 10, 683.	2.2	3
29	Thermodynamic reaction mechanism of the intermetallic compounds of Sn _x Nd _y and Ga _x Nd _y in soldered joint of Sn-9Zn-1Ga-0.5Nd. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 3064-3068.	2.2	2
30	Effect of heat treatment temperature on melamine sponge reinforced silica aerogel. <i>Materials Research Express</i> , 2019, 6, 125517.	1.6	2
31	Glassy carbon cladding structure with elongated SiC _{nw} reinforced carbon foam insert. <i>Materials Research Express</i> , 2019, 6, 115626.	1.6	1