

Yonggang Jiang

List of Publications by Year in descending order

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25
papers

943
citations

567281

15
h-index

580821

25
g-index

25
all docs

25
docs citations

25
times ranked

606
citing authors

#	ARTICLE	IF	CITATIONS
1	Lightweight, strong and thermally insulating polymethylsilsesquioxane- polybenzoxazine aerogels by ambient pressure drying. <i>Journal of Sol-Gel Science and Technology</i> , 2023, 106, 422-431.	2.4	6
2	Foreign element doping and thermal stability of alumina aerogels. <i>Journal of the American Ceramic Society</i> , 2022, 105, 2288-2299.	3.8	13
3	Excellent antioxidizing, thermally insulating and flame resistance silica-polybenzoxazine aerogels for aircraft ablative materials. <i>Journal of Applied Polymer Science</i> , 2022, 139, .	2.6	10
4	Enhanced Oxygen Vacancies in Ce-Doped SnO ₂ Nanofibers for Highly Efficient Soot Catalytic Combustion. <i>Catalysts</i> , 2022, 12, 596.	3.5	6
5	Room Temperature Oxalic Acid-Catalyzed, Ambient Pressure Dried, and Cost-Effective Synthesis of Polybenzoxazine Aerogels for Thermal Insulation. <i>Advanced Engineering Materials</i> , 2021, 23, 2000856.	3.5	6
6	In situ co-polymerization of high-performance polybenzoxazine/silica aerogels for flame-retardancy and thermal insulation. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50333.	2.6	15
7	Printed aerogels: chemistry, processing, and applications. <i>Chemical Society Reviews</i> , 2021, 50, 3842-3888.	38.1	128
8	Thermally insulating, fiber-reinforced alumina-silica aerogel composites with ultra-low shrinkage up to 1500°C. <i>Chemical Engineering Journal</i> , 2021, 411, 128402.	12.7	119
9	Inhibited radiation transmittance and enhanced thermal stability of silica aerogels under very-high temperature. <i>Ceramics International</i> , 2021, 47, 19824-19834.	4.8	12
10	Facile Preparation of High Strength Silica Aerogel Composites via a Water Solvent System and Ambient Pressure Drying without Surface Modification or Solvent Replacement. <i>Materials</i> , 2021, 14, 3983.	2.9	4
11	Sintering behavior of SiO ₂ aerogel composites reinforced by mullite fibers via in-situ rapid heating TEM observations. <i>Journal of the European Ceramic Society</i> , 2020, 40, 127-135.	5.7	31
12	Facile synthesis of silica aerogel composites via ambient-pressure drying without surface modification or solvent exchange. <i>Vacuum</i> , 2020, 173, 109117.	3.5	26
13	Preparation of silica aerogels with high temperature resistance and low thermal conductivity by monodispersed silica sol. <i>Materials and Design</i> , 2020, 191, 108640.	7.0	59
14	Compressible, Flame-Resistant and Thermally Insulating Fiber-Reinforced Polybenzoxazine Aerogel Composites. <i>Materials</i> , 2020, 13, 2809.	2.9	20
15	A facile method to fabricate monolithic alumina-silica aerogels with high surface areas and good mechanical properties. <i>Journal of the European Ceramic Society</i> , 2020, 40, 2480-2488.	5.7	55
16	Structure, compression and thermally insulating properties of cellulose diacetate-based aerogels. <i>Materials and Design</i> , 2020, 189, 108502.	7.0	27
17	Nanostructure evolution of silica aerogels under rapid heating from 600°C to 1300°C via in-situ TEM observation. <i>Ceramics International</i> , 2020, 46, 12489-12498.	4.8	39
18	Thermally insulating polybenzoxazine aerogels based on 4,4'-diamino-diphenylmethane benzoxazine. <i>Journal of Materials Science</i> , 2019, 54, 12951-12961.	3.7	23

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19	Polyvinylmethyldimethoxysilane reinforced methyltrimethoxysilane based silica aerogels for thermal insulation with super-high specific surface area. <i>Materials Letters</i> , 2019, 256, 126644.	2.6	5
20	Preparation of monodispersed silica sol with small particle size, narrow size distribution, and high conversion. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 91, 44-53.	2.4	12
21	Synthesis and characterization of ambient-dried microglass fibers/silica aerogel nanocomposites with low thermal conductivity. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 83, 64-71.	2.4	40
22	Efficient gaseous thermal insulation aerogels from 2-dimension nitrogen-doped graphene sheets. <i>International Journal of Heat and Mass Transfer</i> , 2017, 109, 1026-1030.	4.8	20
23	Formation of enhanced gelatum using ethanol/water binary medium for fabricating chitosan aerogels with high specific surface area. <i>Chemical Engineering Journal</i> , 2017, 309, 700-707.	12.7	59
24	Study on Thermal Conductivities of Aromatic Polyimide Aerogels. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12992-12996.	8.0	113
25	Infrared-opacified Al ₂ O ₃ -SiO ₂ aerogel composites reinforced by SiC-coated mullite fibers for thermal insulations. <i>Ceramics International</i> , 2015, 41, 437-442.	4.8	95