Yonggang Jiang

List of Publications by Year
in descending order

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Version: 2024-02-01

25	943	567281 15	580821 25
papers	citations	h-index	g-index

25	25	25	606
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Printed aerogels: chemistry, processing, and applications. Chemical Society Reviews, 2021, 50, 3842-3888.	38.1	128
2	Thermally insulating, fiber-reinforced aluminaâ€“silica aerogel composites with ultra-low shrinkage up to 1500ÂÂ°C. Chemical Engineering Journal, 2021, 411, 128402.	12.7	119
3	Study on Thermal Conductivities of Aromatic Polyimide Aerogels. ACS Applied Materials & Interfaces, 2016, 8, 12992-12996.	8.0	113
4	Infrared-opacified Al2O3â€“SiO2 aerogel composites reinforced by SiC-coated mullite fibers for thermal insulations. Ceramics International, 2015, 41, 437-442.	4.8	95
5	Formation of enhanced gelatum using ethanol/water binary medium for fabricating chitosan aerogels with high specific surface area. Chemical Engineering Journal, 2017, 309, 700-707.	12.7	59
6	Preparation of silica aerogels with high temperature resistance and low thermal conductivity by monodispersed silica sol. Materials and Design, 2020, 191, 108640.	7.0	59
7	A facile method to fabricate monolithic aluminaâ€“silica aerogels with high surface areas and good mechanical properties. Journal of the European Ceramic Society, 2020, 40, 2480-2488.	5.7	55
8	Synthesis and characterization of ambient-dried microglass fibers/silica aerogel nanocomposites with low thermal conductivity. Journal of Sol-Gel Science and Technology, 2017, 83, 64-71.	2.4	40
9	Nanostructure evolution of silica aerogels under rapid heating from 600ÂÂ°C to 1300ÂÂ°C via in-situ TEM observation. Ceramics International, 2020, 46, 12489-12498.	4.8	39
10	Sintering behavior of SiO2 aerogel composites reinforced by mullite fibers via in-situ rapid heating TEM observations. Journal of the European Ceramic Society, 2020, 40, 127-135.	5.7	31
11	Structure, compression and thermally insulating properties of cellulose diacetate-based aerogels. Materials and Design, 2020, 189, 108502.	7.0	27
12	Facile synthesis of silica aerogel composites via ambient-pressure drying without surface modification or solvent exchange. Vacuum, 2020, 173, 109117.	3.5	26
13	Thermally insulating polybenzoxazine aerogels based on 4,4â€²-diamino-diphenylmethane benzoxazine. Journal of Materials Science, 2019, 54, 12951-12961.	3.7	23
14	Efficient gaseous thermal insulation aerogels from 2-dimension nitrogen-doped graphene sheets. International Journal of Heat and Mass Transfer, 2017, 109, 1026-1030.	4.8	20
15	Compressible, Flame-Resistant and Thermally Insulating Fiber-Reinforced Polybenzoxazine Aerogel Composites. Materials, 2020, 13, 2809.	2.9	20
16	In situ coâ€polymerization of highâ€performance polybenzoxazine/silica aerogels for flameâ€retardancy and thermal insulation. Journal of Applied Polymer Science, 2021, 138, 50333.	2.6	15
17	Foreign element doping and thermal stability of alumina aerogels. Journal of the American Ceramic Society, 2022, 105, 2288-2299.	3.8	13
18	Preparation of monodispersed silica sol with small particle size, narrow size distribution, and high conversion. Journal of Sol-Gel Science and Technology, 2019, 91, 44-53.	2.4	12

#	Article	IF	Citations
19	Inhibited radiation transmittance and enhanced thermal stability of silica aerogels under very-high temperature. Ceramics International, 2021, 47, 19824-19834.	4.8	12
20	Excellent antioxidizing, thermally insulating and flame resistance silicaâ€polybenzoxazine aerogels for aircraft ablative materials. Journal of Applied Polymer Science, 2022, 139, .	2.6	10
21	Room Temperature Oxalic Acidâ€Catalyzed, Ambient Pressure Dried, and Costâ€Effective Synthesis of Polybenzoxazine Aerogels for Thermal Insulation. Advanced Engineering Materials, 2021, 23, 2000856.	3.5	6
22	Lightweight, strong and thermally insulating polymethylsilsesquioxane- polybenzoxazine aerogels by ambient pressure drying. Journal of Sol-Gel Science and Technology, 2023, 106, 422-431.	2.4	6
23	Enhanced Oxygen Vacancies in Ce-Doped SnO2 Nanofibers for Highly Efficient Soot Catalytic Combustion. Catalysts, 2022, 12, 596.	3.5	6
24	Polyvinylmethyldimethoxysilane reinforced methyltrimethoxysilane based silica aerogels for thermal insulation with super-high specific surface area. Materials Letters, 2019, 256, 126644.	2.6	5
25	Facile Preparation of High Strength Silica Aerogel Composites via a Water Solvent System and Ambient Pressure Drying without Surface Modification or Solvent Replacement. Materials, 2021, 14, 3983.	2.9	4