

Yuelel Pan

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,212
citations

331670

21
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1276
citing authors

#	ARTICLE	IF	CITATIONS
1	Low thermal-conductivity and high thermal stable silica aerogel based on MTMS/Water-glass co-precursor prepared by freeze drying. <i>Materials and Design</i> , 2017, 113, 246-253.	7.0	104
2	Mechanical performance and thermal stability of glass fiber reinforced silica aerogel composites based on co-precursor method by freeze drying. <i>Applied Surface Science</i> , 2018, 437, 321-328.	6.1	104
3	CoS ₂ Nanoparticles Wrapping on Flexible Freestanding Multichannel Carbon Nanofibers with High Performance for Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 35820-35828.	8.0	96
4	Mechanical, thermal and flammability properties of glass fiber film/silica aerogel composites. <i>Journal of Non-Crystalline Solids</i> , 2017, 457, 52-59.	3.1	87
5	Layer-Spacing-Enlarged MoS ₂ Superstructural Nanotubes with Further Enhanced Catalysis and Immobilization for Li ⁺ S Batteries. <i>ACS Nano</i> , 2020, 14, 5917-5925.	14.6	75
6	Double-Morphology CoS ₂ Anchored on N-Doped Multichannel Carbon Nanofibers as High-Performance Anode Materials for Na-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 31441-31451.	8.0	72
7	Mechanical performance and thermal stability of polyvinyl alcohol ⁺ cellulose aerogels by freeze drying. <i>Cellulose</i> , 2019, 26, 1747-1755.	4.9	69
8	Experimental investigation on the influencing factors of preparing porous fly ash-based geopolymer for insulation material. <i>Energy and Buildings</i> , 2018, 168, 9-18.	6.7	57
9	Cagelike CoSe ₂ @N-Doped Carbon Aerogels with Pseudocapacitive Properties as Advanced Materials for Sodium-Ion Batteries with Excellent Rate Performance and Cyclic Stability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33621-33630.	8.0	56
10	Nanoflower-like N-doped C/CoS ₂ as high-performance anode materials for Na-ion batteries. <i>Nanoscale</i> , 2018, 10, 20813-20820.	5.6	54
11	“Robust” Soft Anisotropic Nanofibrillated Cellulose Aerogels with Superior Mechanical, Flame-Retardant, and Thermal Insulating Properties. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 27458-27470.	8.0	52
12	Highly reversible Na ion storage in N-doped polyhedral carbon-coated transition-metal chalcogenides by optimizing the nanostructure and surface engineering. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18967-18978.	10.3	46
13	A fast synthesis of silica aerogel powders-based on water glass via ambient drying. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 82, 594-601.	2.4	42
14	Dual-Functional Multichannel Carbon Framework Embedded with CoS ₂ Nanoparticles: Promoting the Phase Transformation for High-Loading Li ⁺ S Batteries. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 32726-32735.	8.0	40
15	Facile construction of the aerogel/geopolymer composite with ultra-low thermal conductivity and high mechanical performance. <i>RSC Advances</i> , 2018, 8, 2350-2356.	3.6	39
16	Silica aerogel/aramid pulp composites with improved mechanical and thermal properties. <i>Journal of Non-Crystalline Solids</i> , 2016, 454, 1-7.	3.1	33
17	Organic solvent-saving preparation of water glass based aerogel granules under ambient pressure drying. <i>Journal of Non-Crystalline Solids</i> , 2019, 521, 119507.	3.1	28
18	Spray freeze-dried monolithic silica aerogel based on water-glass with thermal superinsulating properties. <i>Materials Letters</i> , 2018, 229, 265-268.	2.6	24

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19	A long life sodium–selenium cathode by encapsulating selenium into N-doped interconnected carbon aerogels. <i>Nanoscale</i> , 2019, 11, 11671-11678.	5.6	24
20	Highly elastic and fatigue resistant wood/silica composite aerogel operated at extremely low temperature. <i>Composites Part B: Engineering</i> , 2022, 230, 109496.	12.0	24
21	Fire retardancy and thermal behaviors of Cellulose nanofiber/zinc borate aerogel. <i>Cellulose</i> , 2020, 27, 7463-7474.	4.9	23
22	Preparation and characterization of silica aerogels from by-product silicon tetrachloride under ambient pressure drying. <i>Journal of Non-Crystalline Solids</i> , 2018, 499, 387-393.	3.1	20
23	Mechanically strong polyimide aerogels cross-linked with low-cost polymers. <i>RSC Advances</i> , 2021, 11, 10827-10835.	3.6	16
24	N-doped interconnected carbon aerogels as an efficient SeS ₂ host for long life Na-SeS ₂ batteries. <i>Nano Research</i> , 2020, 13, 967-974.	10.4	13
25	Coral-like interconnected carbon aerogel modified separator for advanced lithium-sulfur batteries. <i>Electrochimica Acta</i> , 2020, 354, 136637.	5.2	7
26	Improvement of the Thermal Insulation Performance of Silica Aerogel by Proper Heat Treatment: Microporous Structures Changes and Pyrolysis Mechanism. <i>Gels</i> , 2022, 8, 141.	4.5	7