



部分使用 HS-DR-5 导热系数测试仪客户 SCI 论文

- 1 、 Hydrogel beads derived from chrome leather scraps for the preparation of lightweight gypsum
- 2 、 Size-controlled graphite nanoplatelets_ thermal conductivity enhancers for epoxy resin
- 3、 Thermal, morphological, and mechanical characteristics of sustainable tannin bio-based foams reinforced with wood cellulosic fibers
- 4、 Improved thermal conductivity of epoxy resin by graphene–nickel three-dimensional filler
- 5 、 A synergistic strategy for fabricating an ultralight and thermal insulating aramid nanofiber/polyimide aerogel
- 6、 Fabrication of Graphene/TiO₂/Paraffin Composite Phase Change Materials for Enhancement of Solar Energy Efficiency in Photocatalysis and Latent Heat Storage
- 7、 Improved thermal conductivity of styrene acrylic resin with carbon nanotubes, graphene and boron nitride hybrid fillers



8、Preparation and characterization of paraffin/expanded graphite composite phase change materials with high thermal conductivity

9、Tailoring of bifunctional microencapsulated phase change materials with CdS/SiO₂ double-layered shell for solar photocatalysis and solar thermal energy storage

10、Functional aerogels with sound absorption and thermal insulation derived from semi-liquefied waste bamboo and gelatin

11、Lamellar-structured phase change composites based on biomass-derived carbonaceous

sheets and sodium acetate trihydrate for high-efficient solar photothermal energy harvest

12、Construction of double cross-linking PEG/h-BN@GO polymeric energy-storage composites with high structural stability and excellent thermal performances

13、Gelatin as green adhesive for the preparation of a multifunctional biobased cryogel derived from bamboo industrial waste



14 、 A novel self-thermoregulatory electrode material based on phosphorene-decorated phase-change microcapsules for supercapacitors

15 、 Development of poly(ethylene glycol)/silica phase-change microcapsules with well-defined core-shell structure for reliable and durable heat energy storage

16、 Experimental and numerical study on heat emission characteristics of ventilated air annular in tunneling roadway

17 、 Construction of polyaniline/carbon nanotubes-functionalized phase-change microcapsules for thermal management application of supercapacitors

18 、 Mechanical, thermal and acoustical characteristics of composite board kneaded by leather fiber and semi-liquefied bamboo

19、 Tuning the oxidation degree of graphite toward highly thermally conductive graphite/epoxy composites

20 、 Thermal self-regulatory smart biosensor based on horseradish peroxidase-immobilized phase-change microcapsules for enhancing detection of hazardous substances



21 、 Morphology-controlled synthesis of microencapsulated phase change materials with TiO_2 shell for thermal energy harvesting and temperature regulation

22、 Size-tunable CaCO_3 @n-eicosane phase-change microcapsules for thermal energy storage

23 、 High-Efficiency Preparation of Reduced Graphene Oxide by a Two-Step Reduction Method and Its Synergistic Enhancement of Thermally Conductive and Anticorrosive Performance for Epoxy Coatings

24 、 Temperature and pH dual-stimuli-responsive phase-change microcapsules for multipurpose applications in smart drug delivery

25 、 Development of Renewable Biomass-Derived Carbonaceous Aerogel/Mannitol Phase-Change Composites for High Thermal-Energy-Release Efficiency and Shape Stabilization

26 、 Immobilization of laccase on phase-change microcapsules as self-thermoregulatory enzyme carrier for biocatalytic enhancement

27 、 Microencapsulating n-docosane phase change material into $\text{CaCO}_3/\text{Fe}_3\text{O}_4$ composites for high-efficient utilization of solar photothermal energy



28、 Integration of Magnetic Phase-Change Microcapsules with Black Phosphorus Nanosheets for Efficient Harvest of Solar Photothermal Energy

29、 Surface construction of $\text{Ni}(\text{OH})_2$ nanoflowers on phase-change microcapsules for enhancement of heat transfer and thermal response

30、 Design and fabrication of bifunctional microcapsules for solar thermal energy storage and solar photocatalysis by encapsulating paraffin phase change material into cuprous oxide

31 、 Design and construction of mesoporous silica/n-eicosane phase-change nanocomposites for supercooling depression and heat transfer enhancement

32 、 Development of reversible and durable thermochromic phase-change microcapsules for real-time indication of thermal energy storage and management

33、 Nanoflaky nickel-hydroxide-decorated phase-change microcapsules as smart electrode materials with thermal self-regulation function for supercapacitor application



34 、 Biodegradable wood plastic composites with phase change microcapsules of honeycomb-BN-layer for photothermal energy conversion and storage

35 、 Hierarchical microencapsulation of phase change material with carbon-nanotubes/polydopamine/silica shell for synergistic enhancement of solar photothermal conversion and storage

36 、 Molecularly Imprinted Phase-Change Microcapsule System for Bifunctional Applications in Waste Heat Recovery and Targeted Pollutant Removal

37 、 Pomegranate-like phase-change microcapsules based on multichambered TiO₂ shell engulfing multiple n-docosane cores for enhancing heat transfer and leakage prevention

38、 Innovative Integration of Phase-Change Microcapsules with Metal–Organic Frameworks into an Intelligent Biosensing System for Enhancing Dopamine Detection

39 、 Morphology-controlled fabrication of magnetic phase-change microcapsules for synchronous efficient recovery of wastewater and waste heat



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40、Polyimide/phosphorene hybrid aerogel-based composite phase change materials for high-efficient solar energy capture and photothermal conversion



上海和晟 HS-DR-5 快速导热系数测试仪