Ruirui Cao

List of Publications by Year
in descending order

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8 papers	392 citations	1307594 7 h-index	1588992 8 g-index
8 all docs	8 docs citations	8 times ranked	401 citing authors

#	Article	IF	Citations
1	Enhanced Thermal-to-Flexible Phase Change Materials Based on Cellulose/Modified Graphene Composites for Thermal Management of Solar Energy. ACS Applied Materials & Interfaces, 2019, 11, 45832-45843.	8.0	83
2	Functionalized carbon nanotubes as phase change materials with enhanced thermal, electrical conductivity, light-to-thermal, and electro-to-thermal performances. Carbon, 2019, 149, 263-272.	10.3	81
3	Self-powered forest fire alarm system based on impedance matching effect between triboelectric nanogenerator and thermosensitive sensor. Nano Energy, 2020, 73, 104843.	16.0	75
4	Fabrication and properties of graphene oxide-grafted-poly(hexadecyl acrylate) as a solid-solid phase change material. Composites Science and Technology, 2017, 149, 262-268.	7.8	47
5	Multiresponsive Shape-Stabilized Hexadecyl Acrylate-Grafted Graphene as a Phase Change Material with Enhanced Thermal and Electrical Conductivities. ACS Applied Materials & Interfaces, 2019, 11, 8982-8991.	8.0	47
6	Enhancing solarâ€“thermalâ€“electric energy conversion based on m-PEGMA/GO synergistic phase change aerogels. Journal of Materials Chemistry A, 2020, 8, 13207-13217.	10.3	42
7	Suppressing Thermal Negative Effect and Maintaining High-Temperature Steady Electrical Performance of Triboelectric Nanogenerators by Employing Phase Change Material. ACS Applied Materials & Interfaces, 2021, 13, 41657-41668.	8.0	14
8	Fabrication and Characterization of Novel Shape-Stabilized Phase Change Materials Based on P(TDA-co-HDA)/GO Composites. Polymers, 2019, 11, 1113.	4.5	3