Jianping Wang

List of Publications by Year
in descending order

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23 papers	970 citations	516215 16 h-index	642321 23 g-index
23 all docs	23 docs citations	23 times ranked	831 citing authors

#	Article	IF	Citations
1	Reversible thermochromic microencapsulated phase change materials for thermal energy storage application in thermal protective clothing. Applied Energy, 2018, 217, 281-294.	5.1	192
2	Polyurethane foam containing microencapsulated phase-change materials with styreneâ€“divinybenzene co-polymer shells. Journal of Materials Science, 2009, 44, 3141-3147.	1.7	100
3	Facile flexible reversible thermochromic membranes based on micro/nanoencapsulated phase change materials for wearable temperature sensor. Applied Energy, 2019, 247, 615-629.	5.1	95
4	Design and fabrication of reversible thermochromic microencapsulated phase change materials for thermal energy storage and its antibacterial activity. Energy, 2018, 159, 857-869.	4.5	68
5	Chitosan composite microencapsulated comb-like polymeric phase change material via coacervation microencapsulation. Carbohydrate Polymers, 2018, 200, 602-610.	5.1	64
6	Microencapsulated n-Octadecane with styrene-divinybenzene co-polymer shells. Journal of Polymer Research, 2011, 18, 49-58.	1.2	58
7	Effects of ammonium chloride and heat treatment on residual formaldehyde contents of melamine-formaldehyde microcapsules. Colloid and Polymer Science, 2007, 285, 1691-1697.	1.0	53
8	Synthesis and characterization of thermal energy storage microencapsulated n-dodecanol with acrylic polymer shell. Energy, 2015, 87, 86-94.	4.5	48
9	Novel Dual-Component Microencapsulated Hydrophobic Amine and Microencapsulated Isocyanate Used for Self-Healing Anti-Corrosion Coating. Polymers, 2018, 10, 319.	2.0	38
10	Effects of oil-soluble etherified melamine-formaldehyde prepolymers on in situ microencapsulation and macroencapsulation of n-dodecanol. New Journal of Chemistry, 2017, 41, 9424-9437.	1.4	32
11	Fabrication, characterization, and supercooling suppression of nanoencapsulated n-octadecane with methyl methacrylateâ€“octadecyl methacrylate copolymer shell. Colloid and Polymer Science, 2013, 291, 1705-1712.	1.0	28
12	Microstructure regulation of microencapsulated bio-based n-dodecanol as phase change materials via in situ polymerization. New Journal of Chemistry, 2017, 41, 14696-14707.	1.4	27
13	Effect of N-isopropylacrylamide on the preparation and properties of microencapsulated phase change materials. Energy, 2016, 106, 221-230.	4.5	24
14	A Novel Method for the Preparation of Narrow-Disperse Nanoencapsulated Phase Change Materials by Phase Inversion Emulsification and Suspension Polymerization. Industrial & Engineering Chemistry Research, 2015, 54, 9307-9313.	1.8	23
15	Design, controlled fabrication and characterization of narrow-disperse macrocapsules containing Micro/NanoPCMs. Materials and Design, 2016, 99, 225-234.	3.3	22
16	Fabrication and characterization of coreâ€“shell novel PU microcapsule using TDI trimer for release system. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 550, 138-144.	2.3	22
17	Preparation and Properties of Narrowly Dispersed Polyurethane Nanocapsules Containing Essential Oil via Phase Inversion Emulsification. Journal of Agricultural and Food Chemistry, 2018, 66, 10799-10807.	2.4	17
18	Microencapsulation of oil soluble polyaspartic acid ester and isophorone diisocyanate and their application in selfâ€healing anticorrosive epoxy resin. Journal of Applied Polymer Science, 2020, 137, 48478.	1.3	14

#	Article	IF	Citations
19	Microencapsulated Comb-Like Polymeric Solid-Solid Phase Change Materials via In-Situ Polymerization. Polymers, 2018, 10, 172.	2.0	11
20	Fabrication and Performance of Composite Microencapsulated Phase Change Materials with Palmitic Acid Ethyl Ester as Core. Polymers, 2018, 10, 726.	2.0	10
21	Reversible Photochromic Nanofiber Membrane Containing Combâ€Like Poly(octadecyl acrylate) Nanoparticles Used for Ultraviolet Intensity Indicator. Macromolecular Materials and Engineering, 2019, 304, 1900299.	1.7	9
22	Effects of Polyvinyl Alcohol Modification on Microstructure, Thermal Properties and Impermeability of Microencapsulated n -Dodecanol as Phase Change Material. ChemistrySelect, 2017, 2, 9369-9376.	0.7	8
23	Fabrication, Characterization and Suppression of Supercooling in Microencapsulated n-Octadecane with Methyl Methacrylate-Octadecyl Methacrylate Copolymer as Shell. Science of Advanced Materials, 2014, 6, 120-127.	0.1	7