

Hongbin Zhao

List of Publications by Year in descending order

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14
papers

237
citations

1040056

9
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

240
citing authors

#	ARTICLE	IF	CITATIONS
1	Expanded graphite/paraffin/silica phase change composites with high thermal conductivity and low permeability prepared by the solid-state wet grinding method. <i>Solar Energy Materials and Solar Cells</i> , 2022, 236, 111484.	6.2	11
2	Effect of alkyltriethoxysilane on the performance of sodium silicate-based silica shell phase change microcapsules. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 608, 125503.	4.7	8
3	Preparation of nano Fe ₃ O ₄ pigment using CO ₃ ²⁻ /HCO ₃ ⁻ as precipitant and DFT study on the formation process of its intermediate product FeOOH. <i>Journal of Materials Science</i> , 2021, 56, 3663-3674.	3.7	2
4	The evaluation and selection of core materials for microencapsulation: A case study with fragrances. <i>Flavour and Fragrance Journal</i> , 2021, 36, 652.	2.6	2
5	Solute selectivity, separation mechanism and application performance of freezing wastewater treatment: Focus on air cooling and direct contact cooling. <i>Journal of Water Process Engineering</i> , 2021, 44, 102445.	5.6	3
6	Preparation of phthalocyanine blue/rutile TiO ₂ composite pigment with a ball milling method and study on its NIR reflectivity. <i>Dyes and Pigments</i> , 2020, 173, 107879.	3.7	19
7	Changes in microcapsules under heating: the effect of particle size on thermal stability and breakability. <i>Journal of Materials Science</i> , 2020, 55, 3902-3911.	3.7	7
8	Enhanced mechanical properties and thermal conductivity of paraffin microcapsules shelled by hydrophobic-silicon carbide modified melamine-formaldehyde resin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125219.	4.7	24
9	Controlling the size of fragrance microcapsules using designed agitator paddles: Experiment and CFD simulation. <i>Particuology</i> , 2019, 43, 38-45.	3.6	10
10	Relation between the particle size and release characteristics of aromatic melamine microcapsules in functional textile applications. <i>RSC Advances</i> , 2019, 9, 25225-25231.	3.6	15
11	The Fabrication of Fragrance Microcapsules and Their Sustained and Broken Release Behavior. <i>Materials</i> , 2019, 12, 393.	2.9	20
12	Environmental substitution for PbCrO ₄ pigment with inorganic-organic hybrid pigment. <i>Dyes and Pigments</i> , 2017, 142, 100-107.	3.7	24
13	Microencapsulation mechanism and size control of fragrance microcapsules with melamine resin shell. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 469, 300-306.	4.7	72
14	Inorganic-organic hybrid pigment fabricated in the preparation process of organic pigment: Preparation and characterization. <i>Dyes and Pigments</i> , 2015, 119, 75-83.	3.7	20