

Bin Mu

List of Publications by Year in descending order

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papers

564
citations

623188

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#	ARTICLE	IF	CITATIONS
1	Facile and green fabrication of magnetically recyclable carboxyl-functionalized attapulgite/carbon nanocomposites derived from spent bleaching earth for wastewater treatment. <i>Chemical Engineering Journal</i> , 2017, 322, 102-114.	6.6	81
2	Facile fabrication of well-defined microtubular carbonized kapok fiber/NiO composites as electrode material for supercapacitor. <i>Electrochimica Acta</i> , 2016, 194, 84-94.	2.6	60
3	Bright blue halloysite/CoAl ₂ O ₄ hybrid pigments: Preparation, characterization and application in water-based painting. <i>Dyes and Pigments</i> , 2017, 139, 473-481.	2.0	57
4	Recent researches on natural pigments stabilized by clay minerals: A review. <i>Dyes and Pigments</i> , 2021, 190, 109322.	2.0	38
5	Cobalt blue hybrid pigment doped with magnesium derived from sepiolite. <i>Applied Clay Science</i> , 2018, 157, 111-120.	2.6	33
6	From waste hot-pot oil as carbon precursor to development of recyclable attapulgite/carbon composites for wastewater treatment. <i>Journal of Environmental Sciences</i> , 2019, 75, 346-358.	3.2	27
7	A facile approach to fabricate bright blue heat-resisting paint with self-cleaning ability based on CoAl ₂ O ₄ /kaolin hybrid pigment. <i>Applied Clay Science</i> , 2018, 160, 153-161.	2.6	26
8	Acid/base reversible allochroic anthocyanin/palygorskite hybrid pigments: Preparation, stability and potential applications. <i>Dyes and Pigments</i> , 2019, 171, 107738.	2.0	25
9	A Comparative Study on Color Stability of Anthocyanin Hybrid Pigments Derived from 1D and 2D Clay Minerals. <i>Materials</i> , 2019, 12, 3287.	1.3	25
10	Insights into the relationship between the color and photocatalytic property of attapulgite/CdS nanocomposites. <i>Applied Surface Science</i> , 2018, 439, 202-212.	3.1	23
11	Reversible Thermochromic Superhydrophobic BiVO ₄ Hybrid Pigments Coatings with Self-Cleaning Performance and Environmental Stability Based on Kaolinite. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 3228-3236.	4.0	23
12	Preparation of effective carvacrol/attapulgite hybrid antibacterial materials by mechanical milling. <i>Journal of Porous Materials</i> , 2020, 27, 843-853.	1.3	21
13	Formation and Coloring Mechanism of Typical Aluminosilicate Clay Minerals for CoAl ₂ O ₄ Hybrid Pigment Preparation. <i>Frontiers in Chemistry</i> , 2018, 6, 125.	1.8	20
14	Resource and sustainable utilization of quartz sand waste by turning into cobalt blue composite pigments. <i>Ceramics International</i> , 2021, 47, 13806-13813.	2.3	20
15	A comparative study on surface/interface mechanism and antibacterial properties of different hybrid materials prepared with essential oils active ingredients and palygorskite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 618, 126455.	2.3	16
16	All-solid-state high-energy asymmetric supercapacitor based on natural tubular fibers. <i>Journal of Materials Science</i> , 2018, 53, 11659-11670.	1.7	15
17	Morphology control of polyaniline by dopant grown on hollow carbon fibers as high-performance supercapacitor electrodes. <i>Cellulose</i> , 2017, 24, 5579-5592.	2.4	12
18	Comparative study on photocatalytic degradation of Congo red using different clay mineral/CdS nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 5383-5392.	1.1	9

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19	Bio-template synthesis of three-dimensional microtubular nickel-cobalt layered double hydroxide composites for energy storage. <i>Cellulose</i> , 2018, 25, 4121-4131.	2.4	8
20	Preparation and coloring mechanism of $\text{MAl}_2\text{O}_4/\text{CoAl}_2\text{O}_4$ /quartz sand (M = Ca or Ba) composite pigments. <i>Materials Chemistry and Physics</i> , 2022, 276, 125413.	2.0	8
21	Mechanochemical preparation of low-cost cobalt blue composite pigments with good color and acid resistance based on desert sands. <i>Ceramics International</i> , 2022, 48, 27182-27191.	2.3	6
22	Preparation of high-performance bismuth yellow hybrid pigments by doping with inorganic oxides. <i>Powder Technology</i> , 2020, 373, 411-420.	2.1	5
23	Amino-acid-assisted preparation of CoAl_2O_4 /kaolin hybrid pigments. <i>Applied Clay Science</i> , 2020, 191, 105611.	2.6	3
24	Utilization of Sea Sand for Preparation of High-Performance CoAl_2O_4 Composite Pigments <i>via</i> a Cleaner Mechanochemistry Route. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9553-9564.	3.2	3