

Longxiang Zhu

List of Publications by Year in descending order

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papers

616
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623734

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#	ARTICLE	IF	CITATIONS
1	Synthesis of Sodium Carboxymethyl Cellulose/Poly(acrylic acid) Microgels via Visible-Light-Triggered Polymerization as a Self-Sedimentary Cationic Basic Dye Adsorbent. <i>Langmuir</i> , 2022, 38, 3711-3719.	3.5	13
2	Highly-efficient isolation of cellulose microfiber from rice straw via gentle low-temperature phase transition. <i>Cellulose</i> , 2021, 28, 7021-7031.	4.9	8
3	Poly(acrylic acid)/palygorskite microgel via radical polymerization in aqueous phase for reinforcing poly(vinyl alcohol) hydrogel. <i>Applied Clay Science</i> , 2020, 185, 105421.	5.2	18
4	Highly temperature resistant cellulose nanofiber/polyvinyl alcohol hydrogel using aldehyde cellulose nanofiber as cross-linker. <i>Cellulose</i> , 2019, 26, 5291-5303.	4.9	41
5	Mechanical and thermal properties of rice Straw/PLA modified by nano Attapulgit/PLA interfacial layer. <i>Composites Communications</i> , 2019, 13, 18-21.	6.3	39
6	Tannic acid-induced crosslinking of epoxidized soybean oil for toughening poly(lactic acid) via dynamic vulcanization. <i>Polymer</i> , 2018, 148, 109-118.	3.8	44
7	Design of a Rubbery Carboxymethyl Cellulose/Polyacrylic Acid Hydrogel via Visible-Light-Triggered Polymerization. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1600509.	3.6	12
8	Rapid Recovery Double Cross-Linking Hydrogel with Stable Mechanical Properties and High Resilience Triggered by Visible Light. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13593-13601.	8.0	51
9	A high modulus hydrogel obtained from hydrogen bond reconstruction and its application in vibration damper. <i>RSC Advances</i> , 2017, 7, 43755-43763.	3.6	46
10	Possible Application of Tough Hydrogel in Machinery. <i>Advances in Automobile Engineering</i> , 2017, 06, .	0.2	0
11	Novel strategy for palygorskite/poly(acrylic acid) nanocomposite hydrogels from bi-functionalized palygorskite nanorods as easily separable adsorbent for cationic basic dye. <i>Applied Clay Science</i> , 2016, 121-122, 29-35.	5.2	27
12	Effects of length and organic modification of attapulgit nanorods on attapulgit/polystyrene nanocomposite via in-situ radical bulk polymerization. <i>Applied Clay Science</i> , 2016, 119, 87-95.	5.2	24
13	Synthesis of covalently crosslinked attapulgit/poly(acrylic acid-co-acrylamide) nanocomposite hydrogels and their evaluation as adsorbent for heavy metal ions. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 23, 188-193.	5.8	77
14	Novel approach for attapulgit/poly(acrylic acid) (ATP/PAA) nanocomposite microgels as selective adsorbent for Pb(II) Ion. <i>Reactive and Functional Polymers</i> , 2014, 74, 72-80.	4.1	57
15	Attapulgit/Poly(acrylic acid) Nanocomposite (ATP/PAA) Hydrogels with Multifunctionalized Attapulgit (org-ATP) Nanorods as Unique Cross-linker: Preparation Optimization and Selective Adsorption of Pb(II) Ion. <i>ACS Sustainable Chemistry and Engineering</i> , 2014, 2, 643-651.	6.7	48
16	Novel Covalently Cross-Linked Attapulgit/Poly(acrylic acid-co-acrylamide) Hybrid Hydrogels by Inverse Suspension Polymerization: Synthesis Optimization and Evaluation as Adsorbents for Toxic Heavy Metals. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 4277-4285.	3.7	48
17	High Clay-Content Attapulgit/Poly(acrylic acid) Nanocomposite Hydrogel via Surface-Initiated Redox Radical Polymerization with Modified Attapulgit Nanorods as Initiator and Cross-Linker. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 2067-2071.	3.7	38
18	Palygorskite/polystyrene nanocomposites via facile in-situ bulk polymerization: Gelation and thermal properties. <i>Applied Clay Science</i> , 2014, 100, 95-101.	5.2	15

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19	Attapulgite/polylactide nanocomposites: Effect of polymer brush length. Materials Letters, 2014, 117, 214-216.	2.6	10