

Yikai Yu

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	A Highly Expanded Polycarboxylate Gel and New Environmental Response Effects for Efficiently Adsorbing and Recovering Cu(II) from Water. <i>ACS Omega</i> , 2021, 6, 5318-5334.	1.6	2
2	Synthesis of a new polyunsaturated cationic crosslinker by a new microεpolycondensation reaction as a critical modifier of polycationic flocculant for purifying dyeing wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 3052-3065.	1.6	3
3	Sucrose hybridization modification of polycationic gel to realize super-high adsorption of lignins for reusable purification of wastewater. <i>Journal of Cleaner Production</i> , 2021, 314, 127932.	4.6	2
4	Facilely Synthesized, Highly Permeable, and Efficiently Recyclable Polycationic Gel with Cohesive State Transformations for Purifying Dyeing Wastewater. <i>ACS Omega</i> , 2020, 5, 8046-8055.	1.6	3
5	Superefficient removal of lignins from papermaking wastewater by polycationic adsorption and direct reuse of wastes: structureεactivity relationships and interaction mechanisms. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 2991-3002.	1.6	4
6	Synthesis and surface gelεadsorption effect of multidimensional crossεlinking cationic cotton for enhancing purification of dyeing wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 120-127.	1.6	11
7	Switch Effect, WaterεLike State, and New Interaction Mechanism of an HεBonded PolycationεPolyacrylamide System to Realize Instant Decolorization of Dyeing Wastewater. <i>Advanced Sustainable Systems</i> , 2019, 3, 1900029.	2.7	2
8	A facilely synthesized polyanionic gel adsorbent with high adaptability and new adsorption effects for purification of Cu(II)εcontaining wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 3661-3675.	1.6	2
9	Homologousεheterogeneous structure control and intelligent adsorption effect of a polycationic gel for super-efficient purification of dyeing wastewater. <i>RSC Advances</i> , 2019, 9, 9421-9434.	1.7	10
10	Synthesis, microstructure transformations, and long-distance inductive effect of poly(acrylethyltrimethylammonium chloride) cotton with super-high adsorption ability for purifying dyeing wastewater. <i>Cellulose</i> , 2019, 26, 3987-4004.	2.4	12
11	One-Pot Synthesis and Combined Use of Modified Cotton Adsorbent and Flocculant for Purifying Dyeing Wastewater. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6876-6888.	3.2	20
12	Construction of polycationic film coated cotton and new inductive effect to remove water-soluble dyes in water. <i>Materials and Design</i> , 2017, 124, 1-15.	3.3	15
13	Synthesis of strongly cationic hydrophobic polyquaternium flocculants to enhance removal of water-soluble dyes in wastewater. <i>Research on Chemical Intermediates</i> , 2017, 43, 3395-3413.	1.3	14
14	Controlling supermolecular structures and improving colorfastness in cotton fibers. <i>Fibers and Polymers</i> , 2017, 18, 1124-1133.	1.1	2
15	A green four-component synthesis of 2-amino-3-cyano-4-aryl-6-sulfanepyrimidine in water solvent using phase-transfer catalyst. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 597-604.	1.2	6
16	Determination of the dye-fixing mechanism of poly(dimethyldiallylammonium chloride)s on cotton fabric. <i>Journal of Vinyl and Additive Technology</i> , 2013, 19, 219-224.	1.8	4
17	Synthesis and properties of novel poly(aryl ether ketone)s containing both 2,6εnaphthylene moieties and amide linkages in the main chains. <i>Polymers for Advanced Technologies</i> , 2013, 24, 466-472.	1.6	15
18	Synthesis and properties of novel copolymers of poly(ether ketone ether ketone ketone) and poly(ether amide amide ether ketone ketone). <i>Polymer Engineering and Science</i> , 2013, 53, 2353-2359.	1.5	3

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19	Controlled synthesis of novel reactive cationic copolymers of 3-chloro-2-hydroxypropylmethylallylammonium chloride and dimethylallylammonium chloride [P(CMDA-DMDAAC)s]: designed as useful polycationic dye-fixatives on cotton fabric. <i>Research on Chemical Intermediates</i> , 2012, 38, 2097-2109.	1.3	10
20	Controlled Synthesis, Dye-fixing Performance and Dye-fixing Mechanisms on Cotton Fabric of Novel Reactive Cationic Copolymers of N,N-Diallyl-3-hydroxy-azetidinium Chloride and Dimethylallylammonium Chloride (P(DHAC-DMDAAC)s). <i>Australian Journal of Chemistry</i> , 2012, 65, 351.	0.5	5
21	Controlled-synthesis of Slightly Crosslinked Poly(dimethylallylammonium chloride)s Used as Useful Polycationic Dye-fixatives on Cotton Fabric. <i>Journal of the Chinese Chemical Society</i> , 2011, 58, 428-434.	0.8	3
22	Structure-controlled synthesis of novel soluble and thermally stable poly (aryl ether nitrile ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 polycondensation. <i>Polymers for Advanced Technologies</i> , 2011, 22, 2543-2549.	1.6	0
23	Study on synthesis of novel soluble aromatic polyamides with pendant cyano groups. <i>Polymer Bulletin</i> , 2010, 65, 309-318.	1.7	8
24	Molecular-weight-controlled synthesis and dye-fixing properties of poly(dimethylallylammonium) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	1.8	8
25	Synthesis and characterization of poly(ether ketone ether ketone)/poly(ether ether ketone) Tj ETQq1 1 0.784314 rgBT /Overlock Science, 2009, 112, 3225-3231.	1.3	2
26	Synthesis and properties of poly(aryl ether ketone ketone)/poly(aryl ether ether ketone ketone) copolymers with pendant cyano groups. <i>Journal of Applied Polymer Science</i> , 2007, 104, 3601-3606.	1.3	20