Jianhan Huang

List of Publications by Year
in descending order

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113	4,146	94269	143772
papers	citations	37 h-index	57 g-index

114	114	114	2973
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adsorption of CO₂, CH₄, and N₂ on Ordered Mesoporous Carbon: Approach for Greenhouse Gases Capture and Biogas Upgrading. Environmental Science & Technology, 2013, 47, 5474-5480.	4.6	265
2	Benzimidazole-based hyper-cross-linked poly(ionic liquid)s for efficient CO2 capture and conversion. Chemical Engineering Journal, 2020, 385, 123973.	6.6	156
3	Synthesis of Triazine-Based Porous Organic Polymers Derived N-Enriched Porous Carbons for CO₂ Capture. Industrial & Engineering Chemistry Research, 2018, 57, 2856-2865.	1.8	102
4	Triazine-based hyper-cross-linked polymers derived porous carbons for CO2 capture. Chemical Engineering Journal, 2018, 339, 509-518.	6.6	99
5	Adsorption properties of tea polyphenols onto three polymeric adsorbents with amide group. Journal of Colloid and Interface Science, 2007, 315, 407-414.	5.0	95
6	Catalyst-free synthesis of triazine-based porous organic polymers for Hg2+ adsorptive removal from aqueous solution. Chemical Engineering Journal, 2019, 371, 260-266.	6.6	94
7	N-rich porous organic polymers based on Schiff base reaction for CO2 capture and mercury(II) adsorption. Journal of Colloid and Interface Science, 2021, 587, 121-130.	5.0	89
8	CO2 capture by nitrogen-doped porous carbons derived from nitrogen-containing hyper-cross-linked polymers. Journal of Colloid and Interface Science, 2018, 513, 304-313.	5.0	85
9	Oxygen-rich hyper-cross-linked polymers with hierarchical porosity for aniline adsorption. Chemical Engineering Journal, 2019, 368, 29-36.	6.6	77
10	Synthesis, characterization, and adsorption behavior of aniline modified polystyrene resin for phenol in hexane and in aqueous solution. Journal of Colloid and Interface Science, 2008, 317, 434-441.	5.0	76
11	Phenol adsorption on an N-methylacetamide-modified hypercrosslinked resin from aqueous solutions. Chemical Engineering Journal, 2012, 192, 192-200.	6.6	75
12	Triazine-based hyper-cross-linked polymers with inorganic-organic hybrid framework derived porous carbons for CO2 capture. Chemical Engineering Journal, 2018, 353, 1-14.	6.6	75
13	Synthesis, characterization and adsorption properties of diethylenetriamine-modified hypercrosslinked resins for efficient removal of salicylic acid from aqueous solution. Journal of Hazardous Materials, 2012, 217-218, 406-415.	6.5	71
14	Phenol-modified hyper-cross-linked resins with almost all micro/mesopores and their adsorption to aniline. Journal of Colloid and Interface Science, 2017, 487, 31-37.	5.0	70
15	Adsorption of Rhodamine B on two novel polar-modified post-cross-linked resins: Equilibrium and kinetics. Journal of Colloid and Interface Science, 2016, 467, 230-238.	5.0	67
16	Polar-modified post-cross-linked polystyrene and its adsorption towards salicylic acid from aqueous solution. Chemical Engineering Journal, 2016, 286, 400-407.	6.6	65
17	Removal of p-nitrophenol by a water-compatible hypercrosslinked resin functionalized with formaldehyde carbonyl groups and XAD-4 in aqueous solution: A comparative study. Journal of Colloid and Interface Science, 2009, 332, 60-64.	5.0	64
18	One-pot synthesis of melamine-based porous polyamides for CO2 capture. Microporous and Mesoporous Materials, 2019, 285, 105-111.	2.2	64

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19	Imidazole-based hyper-cross-linked polymers derived porous carbons for CO2 capture. Microporous and Mesoporous Materials, 2019, 275, 131-138.	2.2	62
20	Adsorption behavior, thermodynamics, and mechanism of phenol on polymeric adsorbents with amide group in cyclohexane. Journal of Colloid and Interface Science, 2007, 316, 10-18.	5.0	58
21	Ethylene glycol dimethacrylate modified hyper-cross-linked resins: Porogen effect on pore structure and adsorption performance. Chemical Engineering Journal, 2018, 339, 278-287.	6.6	57
22	A novel hydrophilicâ€“hydrophobic magnetic interpenetrating polymer networks (IPNs) and its adsorption towards salicylic acid from aqueous solution. Chemical Engineering Journal, 2015, 279, 250-257.	6.6	55
23	Adsorption of p-chlorophenol on three amino-modified hyper-cross-linked resins. Journal of Colloid and Interface Science, 2017, 505, 585-592.	5.0	54
24	One-pot synthesis of hyper-cross-linked polymers chemically modified with pyrrole, furan, and thiophene for phenol adsorption from aqueous solution. Journal of Colloid and Interface Science, 2019, 538, 499-506.	5.0	53
25	Treatment of phenol and p-cresol in aqueous solution by adsorption using a carbonylated hypercrosslinked polymeric adsorbent. Journal of Hazardous Materials, 2009, 168, 1028-1034.	6.5	52
26	O-containing hyper-cross-linked polymers and porous carbons for CO 2 capture. Microporous and Mesoporous Materials, 2018, 264, 104-111.	2.2	52
27	Melamine-supported porous organic polymers for efficient CO2 capture and Hg2+ removal. Chemical Engineering Journal, 2020, 387, 124070.	6.6	50
28	One-step synthesis of N-containing hyper-cross-linked polymers by two crosslinking strategies and their CO2 adsorption and iodine vapor capture. Separation and Purification Technology, 2021, 262, 118352.	3.9	48
29	Aniline modified hypercrosslinked polystyrene resins and their adsorption equilibriums, kinetics and dynamics towards salicylic acid from aqueous solutions. Chemical Engineering Journal, 2013, 233, 124-131.	6.6	47
30	Magnetic polar post-cross-linked resin and its adsorption towards salicylic acid from aqueous solution. Chemical Engineering Journal, 2015, 273, 240-246.	6.6	47
31	Enhanced adsorption of salicylic acid onto a Î²-naphthol-modified hyper-cross-linked poly(styrene-co-divinylbenzene) resin from aqueous solution. Chemical Engineering Journal, 2011, 168, 715-721.	6.6	45
32	Postfunctionalization of Porous Organic Polymers Based on Friedelâ€“Crafts Acylation for CO₂ and Hg²⁺ Capture. ACS Applied Materials & Interfaces, 2020, 12, 36652-36659.	4.0	45
33	Application of an easily water-compatible hypercrosslinked polymeric adsorbent for efficient removal of catechol and resorcinol in aqueous solution. Journal of Hazardous Materials, 2009, 167, 69-74.	6.5	44
34	Adsorption behaviors of a novel carbonyl and hydroxyl groups modified hyper-cross-linked poly(styrene-co-divinylbenzene) resin for Î²-naphthol from aqueous solution. Journal of Hazardous Materials, 2010, 180, 634-639.	6.5	43
35	Design of well-defined shellâ€“core covalent organic frameworks/metal sulfide as an efficient Z-scheme heterojunction for photocatalytic water splitting. Chemical Science, 2021, 12, 16065-16073.	3.7	43
36	Controllable synthesis of N-vinylimidazole-modified hyper-cross-linked resins and their efficient adsorption of p-nitrophenol and o-nitrophenol. Journal of Colloid and Interface Science, 2017, 507, 42-50.	5.0	42

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37	Hierarchical porous hyper-cross-linked polymers modified with phenolic hydroxyl groups and their efficient adsorption of aniline from aqueous solution. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 558, 80-87.	2.3	41
38	Synthesis of Î³-LiV2O5 nanorods as a high-performance cathode for Li ion battery. Journal of Solid State Electrochemistry, 2012, 16, 2555-2561.	1.2	39
39	Tunable porosity and polarity of polar post-cross-linked resins and selective adsorption. Journal of Colloid and Interface Science, 2017, 487, 231-238.	5.0	39
40	Facile preparation of oxygen-rich porous polymer microspheres from lignin-derived phenols for selective CO2 adsorption and iodine vapor capture. Chemosphere, 2022, 288, 132499.	4.2	39
41	Controllable Synthesis of Polar Modified Hyper-Cross-Linked Resins and Their Adsorption of 2-Naphthol and 4-Hydroxybenzoic Acid from Aqueous Solution. Industrial & Engineering Chemistry Research, 2017, 56, 2984-2992.	1.8	38
42	Polar hyper-cross-linked resin with abundant micropores/mesopores and its enhanced adsorption toward salicylic acid: Equilibrium, kinetics, and dynamic operation. Fluid Phase Equilibria, 2017, 438, 1-9.	1.4	37
43	Surface modification on a hyper-cross-linked polymeric adsorbent by multiple phenolic hydroxyl groups to be used as a specific adsorbent for adsorptive removal of p-nitroaniline from aqueous solution. Journal of Colloid and Interface Science, 2010, 342, 462-466.	5.0	36
44	Efficient adsorptive removal of phenol by a diethylenetriamine-modified hypercrosslinked styreneâ€“divinylbenzene (PS) resin from aqueous solution. Chemical Engineering Journal, 2012, 195-196, 40-48.	6.6	36
45	A novel post-cross-linked polystyrene/polyacryldiethylenetriamine (PST_pc/PADETA) interpenetrating polymer networks (IPNs) and its adsorption towards salicylic acid from aqueous solutions. Chemical Engineering Journal, 2014, 248, 216-222.	6.6	34
46	Gallic acid modified hyper-cross-linked resin and its adsorption equilibria and kinetics toward salicylic acid from aqueous solution. Chemical Engineering Journal, 2012, 191, 195-201.	6.6	33
47	Hydrophobicâ€“hydrophilic post-cross-linked polystyrene/poly (methyl acryloyl diethylenetriamine) interpenetrating polymer networks and its adsorption properties. Journal of Colloid and Interface Science, 2016, 463, 61-68.	5.0	33
48	Anisole-modified hyper-cross-linked resins for efficient adsorption of aniline from aqueous solution. Journal of Colloid and Interface Science, 2020, 569, 177-183.	5.0	33
49	Amino-modified hyper-cross-linked polymers with hierarchical porosity for adsorption of salicylic acid from aqueous solution. Journal of Chemical Thermodynamics, 2019, 131, 1-8.	1.0	31
50	Selectable Microporous Carbons Derived from Poplar Wood by Three Preparation Routes for CO₂ Capture. ACS Omega, 2020, 5, 17450-17462.	1.6	31
51	Synthesis, characterization, and adsorption properties of phenolic hydroxyl group modified hyper-cross-linked polymeric adsorbent. Journal of Colloid and Interface Science, 2009, 337, 19-23.	5.0	30
52	Hypercrosslinked poly(styrene-co-divinylbenzene) resin as a specific polymeric adsorbent for purification of berberine hydrochloride from aqueous solutions. Journal of Colloid and Interface Science, 2013, 400, 78-87.	5.0	30
53	Hyper-cross-linked Polystyrene-co-divinylbenzene Resin Modified with Acetanilide: Synthesis, Structure, and Adsorptive Removal of Salicylic Acid from Aqueous Solution. Industrial & Engineering Chemistry Research, 2011, 50, 2891-2897.	1.8	29
54	An ethylenediamine-modified hypercrosslinked polystyrene resin: Synthesis, adsorption and separation properties. Chemical Engineering Journal, 2014, 242, 19-26.	6.6	29

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55	A novel polar-modified post-cross-linked resin and its enhanced adsorption to salicylic acid: Equilibrium, kinetics and breakthrough studies. Journal of Colloid and Interface Science, 2016, 470, 1-9.	5.0	29
56	Melamineâ€Based Metalâ€Chelating Porous Organic Polymers for Efficient CO₂ Capture and Conversion. European Journal of Inorganic Chemistry, 2018, 2018, 4175-4180.	1.0	29
57	A hypercrosslinked poly(styrene-co-divinylbenzene) PS resin as a specific polymeric adsorbent for adsorption of 2-naphthol from aqueous solutions. Chemical Engineering Journal, 2013, 218, 267-275.	6.6	28
58	Recent progress in porous organic polymers and their application for CO2 capture. Chinese Journal of Chemical Engineering, 2022, 42, 91-103.	1.7	28
59	Hollow Hyper-Cross-Linked Polymer Microspheres for Efficient Rhodamine B Adsorption and CO₂ Capture. Journal of Chemical & Engineering Data, 2019, 64, 1662-1670.	1.0	27
60	Phenol adsorption on Î±,Î±â€²-dichloro-p-xylene (DCX) and 4,4â€²-bis(chloromethyl)-1,1â€²-biphenyl (BCMBP) modified XAD-4 resins from aqueous solutions. Chemical Engineering Journal, 2013, 222, 1-8.	6.6	26
61	Tunable synthesis of the polar modified hyper-cross-linked resins and application to the adsorption. Journal of Colloid and Interface Science, 2017, 505, 383-391.	5.0	26
62	N -vinylimidazole modified hyper-cross-linked resins and their adsorption toward Rhodamine B: Effect of the cross-linking degree. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 293-300.	2.7	26
63	Adsorption of p-nitroaniline by phenolic hydroxyl groups modified hyper-cross-linked polymeric adsorbent and XAD-4: A comparative study. Chemical Engineering Journal, 2009, 155, 722-727.	6.6	25
64	A novel polar-modified post-cross-linked resin: Effect of the porogens on the structure and adsorption performance. Journal of Colloid and Interface Science, 2016, 466, 322-329.	5.0	25
65	4-Vinylpyridine-modified post-cross-linked resins and their adsorption of phenol and Rhodamine B. Journal of Colloid and Interface Science, 2018, 531, 394-403.	5.0	25
66	Alkoxy-Modified Hyper-Cross-Linked Polymers with Hierarchical Porosity and Their Adsorption of Salicylic Acid from Aqueous Solution. Industrial & Engineering Chemistry Research, 2018, 57, 12420-12428.	1.8	23
67	Dendritic post-cross-linked resin for the adsorption of crystal violet from aqueous solution. Journal of Chemical Thermodynamics, 2019, 130, 235-242.	1.0	23
68	Fabrication of O-enriched HyperCross-Linked Polymers and Their Adsorption of Aniline from Aqueous Solution. Industrial & Engineering Chemistry Research, 2020, 59, 11705-11712.	1.8	23
69	Porphyrin-Based Triazine Polymers and Their Derived Porous Carbons for Efficient CO₂ Capture. Industrial & Engineering Chemistry Research, 2020, 59, 3205-3212.	1.8	23
70	Resorcinol modified hypercrosslinked poly(styrene-co-divinlybenzene) resin and its adsorption equilibriums, kinetics and dynamics towards p-hydroxylbenzaldehyde from aqueous solution. Chemical Engineering Journal, 2013, 219, 238-244.	6.6	22
71	Imidazolium Salt Incorporated Poly(N-vinylimidazole-co-ethylene glycol dimethacrylate) for Efficient Adsorption of Congo Red and Hg2+ from Aqueous Solution. Journal of Chemical & Engineering Data, 2019, 64, 2627-2633.	1.0	22
72	Oxygen-rich porous carbons from carbonyl modified hyper-cross-linked polymers for efficient CO2 capture. Journal of Polymer Research, 2020, 27, 1.	1.2	22

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73	Adsorption of Berberine Hydrochloride, Ligustrazine Hydrochloride, Colchicine, and Matrine Alkaloids on Macroporous Resins. Journal of Chemical & Engineering Data, 2013, 58, 1271-1279.	1.0	21
74	Polar modified post-cross-linked resin and its adsorption toward salicylic acid from aqueous solution: Equilibrium, kinetics and breakthrough studies. Journal of Colloid and Interface Science, 2015, 451, 1-6.	5.0	21
75	Tunable Porosity and Polarity of the Polar Hyper-Cross-Linked Resins and the Enhanced Adsorption toward Phenol. Industrial & Engineering Chemistry Research, 2016, 55, 12213-12221.	1.8	21
76	Amino-Functionalized Porphyrin-Based Porous Organic Polymers for CO₂ Capture and Hg²⁺ Removal. Energy & Fuels, 2020, 34, 9771-9778.	2.5	21
77	Hyper-Cross-Linked Phenolic Hydroxyl Polymers with Hierarchical Porosity and Their Efficient Adsorption Performance. Industrial & Engineering Chemistry Research, 2020, 59, 11275-11283.	1.8	21
78	Adsorption properties of a microporous and mesoporous hyper-crosslinked polymeric adsorbent functionalized with phenoxy groups for phenol in aqueous solution. Journal of Colloid and Interface Science, 2009, 339, 296-301.	5.0	19
79	Bisphenol-A modified hyper-cross-linked polystyrene resin for salicylic acid removal from aqueous solution: Adsorption equilibrium, kinetics and breakthrough studies. Journal of Colloid and Interface Science, 2012, 372, 108-112.	5.0	19
80	Macroporous crosslinked polydivinylbenzene/polyacryldiethylenetriamine (PDVB/PADETA) interpenetrating polymer networks (IPNs) and their efficient adsorption to o-aminobenzoic acid from aqueous solutions. Journal of Colloid and Interface Science, 2014, 429, 83-87.	5.0	19
81	Synthesis of Hollow BiVO₄/Ag Composite Microspheres and Their Photocatalytic and Surfaceâ€Enhanced Raman Scattering Properties. ChemPlusChem, 2015, 80, 871-877.	1.3	19
82	Pd-SnO2 interface enables synthesis of syngas with controllable H2/CO ratios by electrocatalytic reduction of CO2. Applied Catalysis B: Environmental, 2022, 312, 121392.	10.8	18
83	Hydrophobic-hydrophilic interpenetrating polymer networks (IPNs) composed of hydrophobic polystyrene (PST) and hydrophilic polyacryldiethylenetriamine (PADETA) networks and their high efficient adsorption to salicylic acid. Fluid Phase Equilibria, 2016, 427, 384-389.	1.4	17
84	Synthesis and adsorption property of hydrophilicâ€“hydrophobic macroporous crosslinked poly(methyl acryloyl diethylenetriamine)/poly(divinylbenzene) (PMADETA/PDVB) interpenetrating polymer networks (IPNs). RSC Advances, 2015, 5, 26616-26624.	1.7	16
85	Hyper-cross-linked polymers functionalized with primary amine and its efficient adsorption of salicylic acid from aqueous solution. Journal of Chemical Thermodynamics, 2019, 131, 387-392.	1.0	16
86	Furan- and Thiophene-Modified Hyper-Crosslinked Polymers and Their Adsorption of Phenol from Aqueous Solution. Industrial & Engineering Chemistry Research, 2021, 60, 931-938.	1.8	15
87	Tertiary amino groups modified macroporous crosslinked poly(styrene-co-divinylbenzene) and its oxidized adsorbent: Synthesis, characterization, and adsorption behavior. Journal of Hazardous Materials, 2009, 162, 771-776.	6.5	13
88	Hydroquinone modified hyperâ€crossâ€linked resin to be used as a polymeric adsorbent for adsorption of salicylic acid from aqueous solution. Journal of Applied Polymer Science, 2011, 121, 3717-3723.	1.3	13
89	Synthesis, characterization and adsorption properties of an amide-modified hyper-cross-linked resin. RSC Advances, 2014, 4, 41172-41178.	1.7	13
90	Methylaminoâ€groupâ€modified hypercrosslinked polystyrene resin for the removal of phenol from aqueous solution. Journal of Applied Polymer Science, 2011, 119, 1435-1442.	1.3	12

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91	Bifunctional Porous Organic Polymers Based on Postfunctionalization of the Ketone-Based Polymers. Industrial & Engineering Chemistry Research, 2020, 59, 19117-19125.	1.8	12
92	Acetamido-functionalized hyper-crosslinked polymers for efficient removal of phenol in aqueous solution. Separation and Purification Technology, 2022, 287, 120566.	3.9	12
93	Acetamideâ€modified hyperâ€crossâ€linked resin: Synthesis, characterization, and adsorption performance to phenol from aqueous solution. Journal of Applied Polymer Science, 2015, 132, .	1.3	11
94	Comparison of hyper-cross-linked polystyrene/polyacryldiethylenetriamine (HCP/PADETA) interpenetrating polymer networks (IPNs) with hyper-cross-linked polystyrene (HCP): structure, adsorption and separation properties. RSC Advances, 2016, 6, 32340-32348.	1.7	11
95	Promoting H₂ Activation over Molybdenum Carbide by Modulation of Metalâ€Support Interaction for Efficient Catalytic Hydrogenation. ChemCatChem, 2021, 13, 3283-3289.	1.8	11
96	Thioether-functionalized porphyrin-based polymers for Hg2+ efficient removal in aqueous solution. Journal of Hazardous Materials, 2022, 429, 128303.	6.5	11
97	Unraveling the Hydrolysis of Merocyanine-Based Probes in Biological Assay. Analytical Chemistry, 2016, 88, 9136-9142.	3.2	10
98	Imidazolium Salt-Incorporated Postcross-Linked Porous Polymers for Efficient Adsorption of Rhodamine B and Cd²⁺ from Aqueous Solution. Journal of Chemical & Engineering Data, 2020, 65, 1850-1856.	1.0	10
99	Hydroquinone-modified hyper-crosslinked polymer and its adsorption of aniline. Chemical Engineering Journal Advances, 2020, 1, 100004.	2.4	9
100	A comparative adsorption study of Î²-naphthol on four polymeric adsorbents from aqueous solutions. Journal of Colloid and Interface Science, 2012, 380, 166-172.	5.0	8
101	Hydrogen Bonding of Acylamino-Modified Macroporous Cross-Linked Polystyrene Resins with Phenol. Journal of Chemical & Engineering Data, 2018, 63, 1917-1924.	1.0	8
102	Inside-mode indium oxide/carbon nanotubes for efficient carbon dioxide electroreduction by suppressing hydrogen evolution. Chemical Communications, 2021, 57, 1234-1237.	2.2	7
103	Dual-active sites design of Snx-Sby-O-GO nanosheets for enhancing electrochemical CO2 reduction via Sb-accelerating water activation. Applied Catalysis B: Environmental, 2022, 307, 121171.	10.8	7
104	A Î²-naphthol-modified hyper-cross-linked resin for adsorption ofp-aminobenzoic acid from aqueous solutions. Desalination and Water Treatment, 2015, 54, 1893-1902.	1.0	6
105	N-Vinylimidazole-Modified Post-Cross-Linked Resin with Pendent Vinyl Groups and Their Adsorption of Phenol from Aqueous Solution. Journal of Chemical & Engineering Data, 2018, 63, 3584-3591.	1.0	6
106	Nitrogen-Doped Ultrahigh Microporous Carbons Derived from Two Nitrogen-Containing Post-Cross-Linked Polymers for Efficient CO₂ Capture. Journal of Chemical & Engineering Data, 2020, 65, 2238-2250.	1.0	6
107	Carbonyl functionalized hyper-cross-linked polymers for CO2 capture. Journal of Polymer Research, 2020, 27, 1.	1.2	5
108	Filling the Pores of the Postâ€Crossâ€Linked Polymers with Different Rigid Crossâ€Linking Bridges. ChemistrySelect, 2020, 5, 7941-7946.	0.7	4

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109	Greatly improved adsorption of Nâ€methylated modified macroporous crossâ€linked polyacrylamide toward tannin from aqueous solution. Journal of Applied Polymer Science, 2011, 122, 2033-2038.	1.3	3
110	Post-Crosslinked Poly(<I>meta</I>-divinylbenzene) and Its Adsorption to Phenol from Aqueous Solutions. Journal of Nanoscience and Nanotechnology, 2016, 16, 6810-6815.	0.9	3
111	Ru Nanoclusters Supported on Ti₃C₂T_x Nanosheets for Catalytic Hydrogenation of Quinolines. ACS Applied Nano Materials, 2022, 5, 6213-6220.	2.4	3
112	Imidazole-modified polymers and their adsorption of salicylic acid from aqueous solution. Journal of Polymer Research, 2022, 29, .	1.2	1
113	Polar modified dendritic post-cross-linked polymer for Cu²⁺ adsorption. Environmental Technology (United Kingdom), 2021, 42, 1402-1410.	1.2	0