

Zhijian Tan

List of Publications by Year in descending order

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50
papers

1,587
citations

236612

25
h-index

301761

39
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51
all docs

51
docs citations

51
times ranked

1621
citing authors

#	ARTICLE	IF	CITATIONS
1	Recyclable aqueous two-phase system formed by two temperature-responsive polymers for the chiral resolution of mandelic acid enantiomers. <i>Journal of Molecular Liquids</i> , 2022, 352, 118738.	2.3	4
2	Polarity-controlled deep eutectic solvents-based biphasic system for the selective separation of geniposidic acid and aucubin from <i>Eucommia ulmoides</i> male flowers. <i>Journal of Molecular Liquids</i> , 2022, 358, 119200.	2.3	3
3	Direct pretreatment of raw ramie fibers using an acidic deep eutectic solvent to produce cellulose nanofibrils in high purity. <i>Cellulose</i> , 2021, 28, 175-188.	2.4	42
4	Two birds with one stone: Porous poly(ionic liquids) membrane with high efficiency for the separation of amino acids mixture and its antibacterial properties. <i>Journal of Colloid and Interface Science</i> , 2021, 584, 866-874.	5.0	16
5	Selective separation of the homologues of baicalin and baicalein from <i>Scutellaria baicalensis</i> Georgi using a recyclable ionic liquid-based liquid-liquid extraction system. <i>Process Biochemistry</i> , 2021, 103, 1-8.	1.8	7
6	Supramolecular Adhesive Materials from Natural Acids and Sugars with Tough and Organic Solvent-Resistant Adhesion. <i>CCS Chemistry</i> , 2021, 3, 1690-1700.	4.6	24
7	Enantioselective liquid-liquid extraction of tryptophan enantiomers by a recyclable aqueous biphasic system based on stimuli-responsive polymers. <i>Journal of Chromatography A</i> , 2021, 1656, 462532.	1.8	7
8	A LCST-type ionic liquid used as the recyclable extractant for the extraction and separation of liquiritin and glycyrrhizic acid from licorice (<i>Glycyrrhiza uralensis</i> Fisch). <i>Journal of Molecular Liquids</i> , 2021, 340, 117295.	2.3	6
9	β -Cyclodextrin-based poly(ionic liquids) membranes enable the efficient separation of the amino acids mixture. <i>Journal of Industrial and Engineering Chemistry</i> , 2021, 103, 322-328.	2.9	6
10	Light-colored cellulose nanofibrils produced from raw sisal fibers without costly bleaching. <i>Industrial Crops and Products</i> , 2021, 172, 114009.	2.5	13
11	Three-phase partitioning based on CO ₂ -responsive deep eutectic solvents for the green and sustainable extraction of lipid from <i>Nannochloropsis</i> sp. <i>Separation and Purification Technology</i> , 2021, 279, 119685.	3.9	22
12	On-Site Supramolecular Adhesion to Wet and Soft Surfaces via Solvent Exchange. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 53083-53090.	4.0	27
13	Extraction and preliminary purification of polysaccharides from <i>Camellia oleifera</i> Abel. seed cake using a thermoseparating aqueous two-phase system based on EOPO copolymer and deep eutectic solvents. <i>Food Chemistry</i> , 2020, 313, 126164.	4.2	51
14	Deep-eutectic solvents simultaneously used as the phase-forming components and chiral selectors for enantioselective liquid-liquid extraction of tryptophan enantiomers. <i>Journal of Molecular Liquids</i> , 2020, 319, 114106.	2.3	21
15	Temperature-responsive deep eutectic solvents as green and recyclable media for the efficient extraction of polysaccharides from <i>Ganoderma lucidum</i> . <i>Journal of Cleaner Production</i> , 2020, 274, 123047.	4.6	72
16	Ionic liquids simultaneously used as accelerants, stabilizers and extractants for improving the cannabidiol extraction from industrial hemp. <i>Industrial Crops and Products</i> , 2020, 155, 112796.	2.5	9
17	Deep Eutectic Supramolecular Polymers: Bulk Supramolecular Materials. <i>Angewandte Chemie</i> , 2020, 132, 11969-11973.	1.6	8
18	Comparison of Deep Eutectic Solvents on Pretreatment of Raw Ramie Fibers for Cellulose Nanofibril Production. <i>ACS Omega</i> , 2020, 5, 5580-5588.	1.6	38

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19	PEGylated Thermo-Sensitive Bionic Magnetic Core-Shell Structure Molecularly Imprinted Polymers Based on Halloysite Nanotubes for Specific Adsorption and Separation of Bovine Serum Albumin. <i>Polymers</i> , 2020, 12, 536.	2.0	20
20	Effects of applying ramie fiber nonwoven films on root-zone soil nutrient and bacterial community of rice seedlings for mechanical transplanting. <i>Scientific Reports</i> , 2020, 10, 3440.	1.6	4
21	Deep Eutectic Supramolecular Polymers: Bulk Supramolecular Materials. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 11871-11875.	7.2	112
22	Deep eutectic solvents used as adjuvants for improving the salting-out extraction of ursolic acid from <i>Cynomorium songaricum</i> Rupr. in aqueous two-phase system. <i>Separation and Purification Technology</i> , 2019, 209, 112-118.	3.9	40
23	Enantioselective liquid-liquid extraction of valine enantiomers in the aqueous two-phase system formed by the cholinium amino acid ionic liquid copper complexes and salt. <i>Journal of Molecular Liquids</i> , 2019, 294, 111599.	2.3	20
24	Deep eutectic solvents used as the green media for the efficient extraction of caffeine from Chinese dark tea. <i>Separation and Purification Technology</i> , 2019, 227, 115723.	3.9	56
25	Green extraction of cannabidiol from industrial hemp (<i>Cannabis sativa</i> L.) using deep eutectic solvents coupled with further enrichment and recovery by macroporous resin. <i>Journal of Molecular Liquids</i> , 2019, 287, 110957.	2.3	50
26	Assessment of the toxicity and biodegradation of amino acid-based ionic liquids. <i>RSC Advances</i> , 2019, 9, 10100-10108.	1.7	37
27	Choline chloride-based deep eutectic solvent systems as a pretreatment for nanofibrillation of ramie fibers. <i>Cellulose</i> , 2019, 26, 3069-3082.	2.4	55
28	Biphasic recognition chiral extraction of threonine enantiomers in a two-phase system formed by hydrophobic and hydrophilic deep-eutectic solvents. <i>Separation and Purification Technology</i> , 2019, 215, 102-107.	3.9	40
29	Assessment of the cytotoxicity of ionic liquids on <i>Spodoptera frugiperda</i> 9 (Sf-9) cell lines via in vitro assays. <i>Journal of Hazardous Materials</i> , 2018, 348, 1-9.	6.5	42
30	Salting-out extraction of sinomenine from <i>Sinomenium acutum</i> by an alcohol/salt aqueous two-phase system using ionic liquids as additives. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1925-1930.	1.6	14
31	Enantioselective Extraction of Phenylalanine Enantiomers Using Environmentally Friendly Aqueous Two-Phase Systems. <i>Processes</i> , 2018, 6, 212.	1.3	24
32	A Biodegradable Ramie Fiber-Based Nonwoven Film Used for Increasing Oxygen Supply to Cultivated Soil. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 1813.	1.3	6
33	Ultrasonic-assisted extraction of sinomenine from <i>Sinomenium acutum</i> using magnetic ionic liquids coupled with further purification by reversed micellar extraction. <i>Process Biochemistry</i> , 2017, 58, 282-288.	1.8	35
34	Comparative transcriptomics provide insight into the morphogenesis and evolution of fistular leaves in <i>Allium</i> . <i>BMC Genomics</i> , 2017, 18, 60.	1.2	24
35	Salting-out extraction of allicin from garlic (<i>Allium sativum</i> L.) based on ethanol/ammonium sulfate in laboratory and pilot scale. <i>Food Chemistry</i> , 2017, 217, 91-97.	4.2	53
36	Chiral separation of mandelic acid enantiomers using an aqueous two-phase system based on a thermo-sensitive polymer and dextran. <i>Separation and Purification Technology</i> , 2017, 172, 382-387.	3.9	40

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37	A novel combined process for extracting, separating and recovering flavonoids from flos sophorae immaturus. Separation and Purification Technology, 2017, 172, 422-432.	3.9	25
38	Ultrasonic Assisted Extraction of Paclitaxel from Taxus x media Using Ionic Liquids as Adjuvants: Optimization of the Process by Response Surface Methodology. Molecules, 2017, 22, 1483.	1.7	19
39	Simultaneous Extraction, Enrichment and Removal of Dyes from Aqueous Solutions Using a Magnetic Aqueous Micellar Two-Phase System. Applied Sciences (Switzerland), 2017, 7, 1257.	1.3	5
40	Physical and Degradable Properties of Mulching Films Prepared from Natural Fibers and Biodegradable Polymers. Applied Sciences (Switzerland), 2016, 6, 147.	1.3	55
41	Extraction, Preconcentration and Isolation of Flavonoids from Apocynum venetum L. Leaves Using Ionic Liquid-Based Ultrasonic-Assisted Extraction Coupled with an Aqueous Biphasic System. Molecules, 2016, 21, 262.	1.7	47
42	An effective method for the extraction and purification of chlorogenic acid from ramie (Boehmeria) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	2.5	44
43	Extraction of Oil from Flaxseed (Linum usitatissimum L.) Using Enzyme-Assisted Three-Phase Partitioning. Applied Biochemistry and Biotechnology, 2016, 179, 1325-1335.	1.4	42
44	Preparation and Corresponding Properties of a Novel Aqueous Derivative of Lutein. Chemistry Letters, 2016, 45, 586-588.	0.7	1
45	Phase behavior of aqueous biphasic systems composed of novel choline amino acid ionic liquids and salts. Journal of Molecular Liquids, 2016, 222, 836-844.	2.3	29
46	Applications of choline amino acid ionic liquid in extraction and separation of flavonoids and pectin from ponkan peels. Separation Science and Technology, 2016, 51, 1093-1102.	1.3	58
47	Ionic Liquid-Based Ultrasonic-Assisted Extraction of Secoisolariciresinol Diglucoside from Flaxseed (Linum usitatissimum L.) with Further Purification by an Aqueous Two-Phase System. Molecules, 2015, 20, 17929-17943.	1.7	32
48	Extraction and purification of chlorogenic acid from ramie (Boehmeria nivea L. Gaud) leaf using an ethanol/salt aqueous two-phase system. Separation and Purification Technology, 2014, 132, 396-400.	3.9	76
49	Isolation and purification of aloe anthraquinones based on an ionic liquid/salt aqueous two-phase system. Separation and Purification Technology, 2012, 98, 150-157.	3.9	70
50	Separation and Purification of Aloe Anthraquinones Using PEG/Salt Aqueous Two-Phase System. Separation Science and Technology, 2011, 46, 1503-1510.	1.3	36