

Jing Gao

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

580
citations

759233

12
h-index

713466

21
g-index

21
all docs

21
docs citations

21
times ranked

804
citing authors

#	ARTICLE	IF	CITATIONS
1	Ionic liquid pretreatment to enhance the anaerobic digestion of lignocellulosic biomass. <i>Bioresource Technology</i> , 2013, 150, 352-358.	9.6	90
2	Effect of ionic liquid pretreatment on the composition, structure and biogas production of water hyacinth (<i>Eichhornia crassipes</i>). <i>Bioresource Technology</i> , 2013, 132, 361-364.	9.6	84
3	Ionic liquids as solvents for dissolution of corn starch and homogeneous synthesis of fatty-acid starch esters without catalysts. <i>Carbohydrate Polymers</i> , 2012, 89, 1215-1221.	10.2	64
4	Changes in the myosin secondary structure and shrimp surimi gel strength induced by dense phase carbon dioxide. <i>Food Chemistry</i> , 2017, 227, 219-226.	8.2	59
5	Enhanced extraction of astaxanthin using aqueous biphasic systems composed of ionic liquids and potassium phosphate. <i>Food Chemistry</i> , 2020, 309, 125672.	8.2	36
6	Similarity of aroma attributes in hot-air-dried shrimp (<i>Penaeus vannamei</i>) and its different parts using sensory analysis and GC-MS. <i>Food Research International</i> , 2020, 137, 109517.	6.2	35
7	Recovery of astaxanthin from shrimp (<i>Penaeus vannamei</i>) waste by ultrasonic-assisted extraction using ionic liquid-in-water microemulsions. <i>Food Chemistry</i> , 2020, 325, 126850.	8.2	33
8	Improved enzymatic hydrolysis of lignocellulosic biomass through pretreatment with plasma electrolysis. <i>Bioresource Technology</i> , 2014, 171, 469-471.	9.6	22
9	Extraction of dimethyl sulfoxide using ionic-liquid-based aqueous biphasic systems. <i>Separation and Purification Technology</i> , 2014, 124, 107-116.	7.9	21
10	LCST-Type Phase Behavior of Aqueous Biphasic Systems Composed of Phosphonium-Based Ionic Liquids and Potassium Phosphate. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 1335-1340.	1.9	19
11	Evaluation of Flavor Improvement in Antarctic Krill Defluoridated Hydrolysate by Maillard Reaction Using Sensory Analysis, E-nose, and GC-MS. <i>Journal of Aquatic Food Product Technology</i> , 2020, 29, 279-292.	1.4	17
12	A GRAPHENE/ENZYME-BASED ELECTROCHEMICAL SENSOR FOR SENSITIVE DETECTION OF ORGANOPHOSPHORUS PESTICIDES. <i>Surface Review and Letters</i> , 2016, 23, 1550103.	1.1	15
13	Effect of ionic liquid/inorganic salt/water pretreatment on the composition, structure and enzymatic hydrolysis of rice straw. <i>Bioresource Technology Reports</i> , 2019, 5, 355-358.	2.7	13
14	Improvement of solubility, stability and antioxidant activity of carotenoids using deep eutectic solvent-based microemulsions. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 217, 112591.	5.0	13
15	Ionic Liquid-Based Aqueous Biphasic Systems with Controlled Hydrophobicity: The Polar Solvent Effect. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 2150-2158.	1.9	12
16	Phase Behavior of Aqueous Biphasic Systems Composed of Ionic Liquids and Organic Salts. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 464-470.	1.9	12
17	Utilization of inorganic salts as adjuvants for ionic liquid-water pretreatment of lignocellulosic biomass: enzymatic hydrolysis and ionic liquid recycle. <i>3 Biotech</i> , 2019, 9, 264.	2.2	12
18	Influence of Aprotic Solvents on the Phase Behavior of Ionic Liquid Based Aqueous Biphasic Systems. <i>Journal of Chemical & Engineering Data</i> , 2013, 58, 1535-1541.	1.9	8

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19	Enhanced saccharification of rice straw using combined ultra-high pressure and ionic liquid microemulsion pretreatments. <i>3 Biotech</i> , 2018, 8, 208.	2.2	7
20	Enhanced enzymatic hydrolysis of rice straw via pretreatment with deep eutectic solvents-based microemulsions. <i>Bioresource Technology Reports</i> , 2020, 10, 100404.	2.7	6
21	Effect of Amino Acids on the Phase Behavior of Aqueous Biphasic Systems Composed of 1-Butyl-3-methylimidazolium Tetrafluoroborate and Sodium Citrate. <i>Journal of Solution Chemistry</i> , 2018, 47, 1037-1047.	1.2	2