

Erzheng Su

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89
papers

1,702
citations

21
h-index

37
g-index

95
ext. papers

2,089
ext. citations

4.9
avg. IF

5.32
L-index

#	Paper	IF	Citations
89	Well-Designed Hydrophobic Deep Eutectic Solvents As Green and Efficient Media for the Extraction of Artemisinin From <i>Artemisia annua</i> Leaves. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 3270-3278	8.3	129
88	Two-phase systems developed with hydrophilic and hydrophobic deep eutectic solvents for simultaneously extracting various bioactive compounds with different polarities. <i>Green Chemistry</i> , 2018 , 20, 1879-1886	10	94
87	Lipase-catalyzed irreversible transesterification of vegetable oils for fatty acid methyl esters production with dimethyl carbonate as the acyl acceptor. <i>Biochemical Engineering Journal</i> , 2007 , 36, 167-173	4.73	91
86	Tailor-made hydrophobic deep eutectic solvents for cleaner extraction of polyprenyl acetates from <i>Ginkgo biloba</i> leaves. <i>Journal of Cleaner Production</i> , 2017 , 152, 399-405	10.3	89
85	Efficient extraction of proanthocyanidin from <i>Ginkgo biloba</i> leaves employing rationally designed deep eutectic solvent-water mixture and evaluation of the antioxidant activity. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018 , 158, 317-326	3.5	73
84	Significantly improving the solubility of non-steroidal anti-inflammatory drugs in deep eutectic solvents for potential non-aqueous liquid administration. <i>MedChemComm</i> , 2016 , 7, 955-959	5	72
83	In situ lipase-catalyzed reactive extraction of oilseeds with short-chained dialkyl carbonates for biodiesel production. <i>Bioresource Technology</i> , 2009 , 100, 5813-7	11	72
82	Immobilization of α -glucosidase and its aroma-increasing effect on tea beverage. <i>Food and Bioproducts Processing</i> , 2010 , 88, 83-89	4.9	71
81	Encapsulation of flavonoids in liposomal delivery systems: the case of quercetin, kaempferol and luteolin. <i>Food and Function</i> , 2017 , 8, 3198-3208	6.1	66
80	Improvement in lipase-catalyzed methanolysis of triacylglycerols for biodiesel production using a solvent engineering method. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008 , 55, 118-125		55
79	Development of recombinant <i>Escherichia coli</i> whole-cell biocatalyst expressing a novel alkaline lipase-coding gene from <i>Proteus</i> sp. for biodiesel production. <i>Journal of Biotechnology</i> , 2009 , 139, 169-175	7.7	52
78	Lipase-catalyzed in situ reactive extraction of oilseeds with short-chained alkyl acetates for fatty acid esters production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2007 , 48, 28-32		35
77	Improvement in biodiesel production from soapstock oil by one-stage lipase catalyzed methanolysis. <i>Energy Conversion and Management</i> , 2014 , 88, 60-65	10.6	31
76	Improving flavonoid extraction from <i>Ginkgo biloba</i> leaves by prefermentation processing. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 5783-91	5.7	31
75	Hydrophobic deep eutectic solvents: the new generation of green solvents for diversified and colorful applications in green chemistry. <i>Journal of Cleaner Production</i> , 2021 , 314, 127965	10.3	27
74	Improvement of Animal Feed Additives of <i>Ginkgo</i> Leaves through Solid-state Fermentation using. <i>International Journal of Biological Sciences</i> , 2018 , 14, 736-747	11.2	26
73	Efficient Extraction of Bioactive Flavonoids from <i>Ginkgo biloba</i> Leaves Using Deep Eutectic Solvent/Water Mixture as Green Media. <i>Chemical and Biochemical Engineering Quarterly</i> , 2018 , 32, 315-324	1.8	26

72	Combined cross-linked enzyme aggregates (combi-CLEAs) for efficient integration of a ketoreductase and a cofactor regeneration system. <i>Journal of Biotechnology</i> , 2014 , 184, 7-10	3.7	25
71	Deep eutectic solvents as green media for efficient extraction of terpene trilactones from Ginkgo biloba leaves. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2017 , 40, 385-391	1.3	24
70	Magnetic combined cross-linked enzyme aggregates (Combi-CLEAs) for cofactor regeneration in the synthesis of chiral alcohol. <i>Journal of Biotechnology</i> , 2018 , 271, 1-7	3.7	24
69	Efficient saccharification of agave biomass using <i>Aspergillus niger</i> produced low-cost enzyme cocktail with hyperactive pectinase activity. <i>Bioresource Technology</i> , 2019 , 272, 26-33	11	23
68	<i>Carica papaya</i> lipase-catalyzed synthesis of terpene esters. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011 , 71, 152-158		21
67	A new fermentation strategy for S-adenosylmethionine production in recombinant <i>Pichia pastoris</i> . <i>Biochemical Engineering Journal</i> , 2008 , 41, 74-78	4.2	21
66	Tailor-Made Deep Eutectic Solvents for Simultaneous Extraction of Five Aromatic Acids from Leaves. <i>Molecules</i> , 2018 , 23,	4.8	21
65	Improving the catalytic activity of lipase LipK107 from <i>Proteus</i> sp. by site-directed mutagenesis in the lid domain based on computer simulation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011 , 68, 286-291		19
64	Solubility improvement of phytochemicals using (natural) deep eutectic solvents and their bioactivity evaluation. <i>Journal of Molecular Liquids</i> , 2020 , 318, 113997	6	19
63	Inactivation of bacteria by electric current in the presence of carbon nanotubes embedded within a polymeric membrane. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 175, 666-76	3.2	18
62	<i>Alcaligenes faecalis</i> penicillin G acylase-catalyzed enantioselective acylation of dl-phenylalanine and derivatives in aqueous medium. <i>Tetrahedron Letters</i> , 2011 , 52, 5398-5402	2	18
61	Purification and in situ immobilization of papain with aqueous two-phase system. <i>PLoS ONE</i> , 2010 , 5, e15168	3.7	18
60	<i>Carica papaya</i> Lipase Catalysed Resolution of β Amino Esters for the Highly Enantioselective Synthesis of (S)-Dapoxetine. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 557-565	3.2	16
59	Cloning, overexpression and characterization of a thermostable β xylosidase from <i>Thermotoga petrophila</i> and cooperated transformation of ginsenoside extract to ginsenoside 20(S)-Rg3 with a β glucosidase. <i>Bioorganic Chemistry</i> , 2019 , 85, 159-167	5.1	16
58	High yield synthesis of d-phenylglycine and its derivatives by nitrilase mediated dynamic kinetic resolution in aqueous-1-octanol biphasic system. <i>Tetrahedron Letters</i> , 2014 , 55, 1448-1451	2	15
57	Delignification overmatches hemicellulose removal for improving hydrolysis of wheat straw using the enzyme cocktail from <i>Aspergillus niger</i> . <i>Bioresource Technology</i> , 2019 , 274, 459-467	11	15
56	Lipase-Catalyzed Irreversible Transesterification of <i>Jatropha Curcas</i> L. Seed Oil to Fatty Acid Esters: An Optimization Study. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2011 , 88, 793-800	1.8	14
55	Production of fatty acid butyl esters using the low cost naturally immobilized <i>Carica papaya</i> lipase. <i>Journal of Agricultural and Food Chemistry</i> , 2014 , 62, 6375-81	5.7	13

54	Cloning, overexpression, and characterization of a high enantioselective nitrilase from <i>Sphingomonas wittichii</i> RW1 for asymmetric synthesis of (R)-phenylglycine. <i>Applied Biochemistry and Biotechnology</i> , 2014 , 173, 365-77	3.2	13
53	Efficient hydration of 2-amino-2,3-dimethylbutyronitrile to 2-amino-2,3-dimethylbutyramide in a biphasic system via an easily prepared whole-cell biocatalyst. <i>Green Chemistry</i> , 2015 , 17, 3992-3999	10	13
52	One-pot enzymatic production of deacetyl-7-aminocephalosporanic acid from cephalosporin C via immobilized cephalosporin C acylase and deacetylase. <i>Biochemical Engineering Journal</i> , 2015 , 95, 1-8	4.2	12
51	Characterization and identification of three novel aldo-keto reductases from <i>Lodderomyces elongisporus</i> for reducing ethyl 4-chloroacetoacetate. <i>Archives of Biochemistry and Biophysics</i> , 2014 , 564, 219-28	4.1	12
50	High-level expression of glutaryl-7-aminocephalosporanic acid acylase from <i>Pseudomonas diminuta</i> NK703 in <i>Escherichia coli</i> by combined optimization strategies. <i>Journal of Biotechnology</i> , 2013 , 168, 607-13	3.7	12
49	Efficient cascade synthesis of ampicillin from penicillin G potassium salt using wild and mutant penicillin G acylase from <i>Alcaligenes faecalis</i> . <i>Journal of Biotechnology</i> , 2016 , 219, 142-8	3.7	11
48	Efficient enzymatic synthesis of ampicillin using mutant Penicillin G acylase with bio-based solvent glycerol. <i>Catalysis Communications</i> , 2016 , 79, 31-34	3.2	11
47	Characterization of a nitrilase from <i>Arthrobacter aurescens</i> CYC705 for synthesis of iminodiacetic acid. <i>Journal of General and Applied Microbiology</i> , 2014 , 60, 207-14	1.5	11
46	Immobilization and Characterization of Tannase and its Haze-removing. <i>Food Science and Technology International</i> , 2009 , 15, 545-552	2.6	11
45	Effective Release of Intracellular Enzymes by Permeating the Cell Membrane with Hydrophobic Deep Eutectic Solvents. <i>ChemBioChem</i> , 2020 , 21, 672-680	3.8	11
44	Synthesis of (S)-3-chloro-1-phenylpropanol by permeabilized recombinant <i>Escherichia coli</i> harboring <i>Saccharomyces cerevisiae</i> YOL151W reductase in 2-methyltetrahydrofuran cosolvent system. <i>Catalysis Communications</i> , 2017 , 97, 56-59	3.2	10
43	Insight into the transformation of 4EO-methylpyridoxine and 4EO-methylpyridoxine-5β-glucoside in <i>Ginkgo biloba</i> seeds undergoing the heat treatment. <i>Industrial Crops and Products</i> , 2019 , 140, 111622	5.9	10
42	Efficient asymmetric synthesis of d-N-formyl-phenylglycine via cross-linked nitrilase aggregates catalyzed dynamic kinetic resolution. <i>Catalysis Communications</i> , 2014 , 51, 19-23	3.2	10
41	Efficient enzymatic synthesis of ampicillin by mutant <i>Alcaligenes faecalis</i> penicillin G acylase. <i>Journal of Biotechnology</i> , 2015 , 199, 62-8	3.7	10
40	Efficient removal of ginkgolic acids from <i>Ginkgo biloba</i> leaves crude extract by using hydrophobic deep eutectic solvents. <i>Industrial Crops and Products</i> , 2021 , 166, 113462	5.9	10
39	Cyclodextrin glucosyltransferase immobilization on polydopamine-coated Fe ₃ O ₄ nanoparticles in the presence of polyethyleneimine for efficient β-cyclodextrin production. <i>Biochemical Engineering Journal</i> , 2019 , 150, 107264	4.2	9
38	High-level soluble expression of <i>Serratia marcescens</i> H30 lipase in <i>Escherichia coli</i> . <i>Biotechnology and Applied Biochemistry</i> , 2015 , 62, 79-86	2.8	9
37	High-level soluble and functional expression of <i>Trigonopsis variabilis</i> D-amino acid oxidase in <i>Escherichia coli</i> . <i>Bioprocess and Biosystems Engineering</i> , 2014 , 37, 1517-26	3.7	9

36	In vivo functional expression of a screened <i>P. aeruginosa</i> chaperone-dependent lipase in <i>E. coli</i> . <i>BMC Biotechnology</i> , 2012 , 12, 58	3.5	9
35	Functional expression of <i>Serratia marcescens</i> H30 lipase in <i>Escherichia coli</i> for efficient kinetic resolution of racemic alcohols in organic solvents. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014 , 106, 11-16		8
34	Removal of ginkgotoxin from the <i>Ginkgo biloba</i> seeds powder by adopting membrane separation technology. <i>Journal of Cleaner Production</i> , 2021 , 280, 124452	10.3	8
33	Submerged fermentation of <i>Ginkgo biloba</i> seed powder using <i>Eurotium cristatum</i> for the development of ginkgo seeds fermented products. <i>Journal of the Science of Food and Agriculture</i> , 2021 , 101, 1782-1791	4.3	8
32	Low-Transition-Temperature Mixtures (LTTMs) for Dissolving Proteins and for Drug Formulation. <i>Applied Biochemistry and Biotechnology</i> , 2015 , 177, 753-8	3.2	7
31	Disparity in productive binding mode of the slow-reacting enantiomer determines the novel catalytic behavior of <i>Candida antarctica</i> lipase B. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010 , 62, 288-296		7
30	Phenanthrene biodegradation by an indigenous <i>Pseudomonas</i> sp. ZJF08 with TX100 as surfactant. <i>Annals of Microbiology</i> , 2008 , 58, 439-442	3.2	7
29	Current advances in the biosynthesis of hyaluronic acid with variable molecular weights. <i>Carbohydrate Polymers</i> , 2021 , 269, 118320	10.3	6
28	Improvement of the Quality of <i>Ginkgo biloba</i> Leaves Fermented by <i>Eurotium cristatum</i> as High Value-Added Feed. <i>Processes</i> , 2019 , 7, 627	2.9	5
27	Optimization of the lipase-catalyzed irreversible transesterification of <i>Pistacia chinensis</i> Bunge seed oil for biodiesel production. <i>Russian Chemical Bulletin</i> , 2014 , 63, 2719-2728	1.7	5
26	The recent development of nanozymes for food quality and safety detection.. <i>Journal of Materials Chemistry B</i> , 2022 ,	7.3	4
25	Combination of Adsorption and Cellulose Derivative Membrane Coating for Efficient Immobilization of Laccase. <i>Applied Biochemistry and Biotechnology</i> , 2021 , 193, 446-462	3.2	4
24	Efficient removal of ginkgotoxin from <i>Ginkgo biloba</i> seed powder by combining endogenous enzymatic hydrolysis with resin adsorption. <i>Journal of the Science of Food and Agriculture</i> , 2021 , 101, 1589-1597	4.3	4
23	Synthesis of Isorhamnetin-3--Rhamnoside by a Three-Enzyme (Rhamnosyltransferase, Glycine Max Sucrose Synthase, UDP-Rhamnose Synthase) Cascade Using a UDP-Rhamnose Regeneration System. <i>Molecules</i> , 2019 , 24,	4.8	3
22	Efficient production of aggregation prone 4- β -glucanotransferase by combined use of molecular chaperones and chemical chaperones in <i>Escherichia coli</i> . <i>Journal of Biotechnology</i> , 2019 , 292, 68-75	3.7	3
21	Soluble recombinant pyruvate oxidase production in <i>Escherichia coli</i> can be enhanced and inclusion bodies minimized by avoiding pH stress. <i>Journal of Chemical Technology and Biotechnology</i> , 2019 , 94, 2661-2670	3.5	3
20	High-level production of <i>Arthrobacter aurescens</i> CYC705 nitrilase in <i>Escherichia coli</i> for biosynthesis of iminodiacetic acid. <i>Biotechnology and Applied Biochemistry</i> , 2016 , 63, 564-71	2.8	3
19	Integrating a light-driven coenzyme regeneration system by expression of an alcohol dehydrogenase in phototrophic bacteria for synthesis of chiral alcohol. <i>Journal of Biotechnology</i> , 2017 , 259, 120-125	3.7	3

18	http://pierre.fkit.hr/hdki/cabeq/pdf/28_3_2014/Cabeq%202014-03-10.pdf . <i>Chemical and Biochemical Engineering Quarterly</i> , 2014 , 28, 349-355	1.8	3
17	The effects of angiotensin I-converting enzyme inhibitory peptide VGINYW and the hydrolysate of β -lactalbumin on blood pressure, oxidative stress and gut microbiota of spontaneously hypertensive rats.. <i>Food and Function</i> , 2022 ,	6.1	3
16	In vitro-in silico screening strategy and mechanism of angiotensin I-converting enzyme inhibitory peptides from β -lactalbumin. <i>LWT - Food Science and Technology</i> , 2022 , 156, 112984	5.4	3
15	Ginkgo Seed Proteins: Characteristics, Functional Properties and Bioactivities. <i>Plant Foods for Human Nutrition</i> , 2021 , 76, 281-291	3.9	3
14	High-level expression of Cephalosporin C deacetylase from <i>Bacillus subtilis</i> SIL3 in <i>Escherichia coli</i> by a multilevel collaborative strategy. <i>Biochemical Engineering Journal</i> , 2016 , 114, 183-190	4.2	2
13	A facile pretreatment method for efficient immobilization of penicillin G acylase. <i>Biochemical Engineering Journal</i> , 2011 , 56, 17-22	4.2	2
12	How to improve the efficiency of biocatalysis in non-aqueous pure deep eutectic solvents: A case study on the lipase-catalyzed transesterification reaction. <i>Biochemical Engineering Journal</i> , 2022 , 179, 108336	4.2	2
11	Enzymes in nearly anhydrous deep eutectic solvents: Insight into the biocompatibility and thermal stability.. <i>Enzyme and Microbial Technology</i> , 2022 , 157, 110022	3.8	2
10	An effective method for extraction of glutaryl-7-aminocephalosporanic acid acylase from recombinant <i>E. coli</i> cells. <i>Biotechnology and Bioprocess Engineering</i> , 2015 , 20, 718-724	3.1	1
9	Recent Strategies for the Biosynthesis of Ergothioneine. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 13682-13690	5.7	1
8	A Facile Method to Determine the Native Contents of 4'-Methylpyridoxine and 4'-Methylpyridoxine-5'-glucoside in Seeds. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 14270-14277	5.7	1
7	Insight into the physicochemical properties of deep eutectic solvents by systematically investigating the components. <i>Journal of Molecular Liquids</i> , 2022 , 346, 118315	6	1
6	Improvement of quality of Ginkgo biloba seeds powder by solid-state fermentation with <i>Eurotium cristatum</i> for developing high-value ginkgo seeds products. <i>Journal of Bioresources and Bioproducts</i> , 2022 , 7, 135-144	18.7	1
5	Application of comparative proteome analysis to reveal influence of cultivation conditions on asymmetric bioreduction of beta-keto ester by <i>Saccharomyces cerevisiae</i> . <i>Applied Microbiology and Biotechnology</i> , 2008 , 80, 831-9	5.7	0
4	High-level soluble expression of phospholipase D from <i>Streptomyces chromofuscus</i> in <i>Escherichia coli</i> by combinatorial optimization. <i>Electronic Journal of Biotechnology</i> , 2021 , 50, 1-9	3.1	0
3	Optimizing the Desorption Technology of Total Flavonoids of from Separating Materials of Activated Carbon.. <i>ACS Omega</i> , 2021 , 6, 35002-35013	3.9	0
2	Solubilization of phytocomplex using natural deep eutectic solvents: A case study of Ginkgo biloba leaves extract. <i>Industrial Crops and Products</i> , 2022 , 177, 114455	5.9	
1	High-Level Expression of Nitrile Hydratase in <i>Escherichia coli</i> for 2-Amino-2,3-Dimethylbutyramide Synthesis. <i>Processes</i> , 2022 , 10, 544	2.9	

