

Chia-Hung Kuo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

1,481
citations

21
h-index

37
g-index

69
ext. papers

1,797
ext. citations

5.2
avg, IF

5
L-index

#	Paper	IF	Citations
65	Continuous Production of DHA and EPA Ethyl Esters via Lipase-Catalyzed Transesterification in an Ultrasonic Packed-Bed Bioreactor. <i>Catalysts</i> , 2022 , 12, 404	4	0
64	A Novel Biocompatible Herbal Extract-Loaded Hydrogel for Acne Treatment and Repair. <i>Oxidative Medicine and Cellular Longevity</i> , 2021 , 2021, 5598291	6.7	0
63	Ultrasonic-Assisted Extraction and Structural Characterization of Chondroitin Sulfate Derived from Jumbo Squid Cartilage. <i>Foods</i> , 2021 , 10,	4.9	1
62	Effect of Oversulfation on the Composition, Structure, and In Vitro Anti-Lung Cancer Activity of Fucoidans Extracted from. <i>Marine Drugs</i> , 2021 , 19,	6	5
61	Potential-induced sonoelectrochemical graphene nanosheets with vacancies as hydrogen peroxide reduction catalysts and sensors. <i>Ultrasonics Sonochemistry</i> , 2021 , 72, 105444	8.9	0
60	Physicochemical and Antioxidant Properties of Gelatin and Gelatin Hydrolysates Obtained from Extrusion-Pretreated Fish (sp.) Scales. <i>Marine Drugs</i> , 2021 , 19,	6	4
59	Promising activities of defective black phosphorus nanosheets as non-enzymatic hydrogen peroxide sensors. <i>Applied Surface Science</i> , 2021 , 542, 148588	6.7	6
58	Defective graphene nanosheets with heteroatom doping as hydrogen peroxide reduction catalysts and sensors. <i>Sensors and Actuators B: Chemical</i> , 2021 , 328, 129015	8.5	4
57	Advances in micro- and nano bubbles technology for application in biochemical processes. <i>Environmental Technology and Innovation</i> , 2021 , 23, 101729	7	15
56	Role and significance of lytic polysaccharide monoxygenases (LPMOs) in lignocellulose deconstruction. <i>Bioresource Technology</i> , 2021 , 335, 125261	11	22
55	Enhanced Erinacine A Production by <i>Hericium erinaceus</i> Using Solid-State Cultivation. <i>Fermentation</i> , 2021 , 7, 182	4.7	0
54	Concentration of Docosahexaenoic and Eicosapentaenoic Acid from Cobia Liver Oil by Acetone Fractionation of Fatty Acid Salts. <i>Applied Biochemistry and Biotechnology</i> , 2020 , 192, 517-529	3.2	4
53	In Vitro Evaluation of Anti-Colon Cancer Potential of Crude Extracts of Fucoidan Obtained from <i>Sargassum Glaucescens</i> Pretreated by Compressional-Puffing. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3058	2.6	7
52	Seed-mediated growth of palladium/copper tetrapods on specific activity for oxygen reduction reaction. <i>Journal of Electroanalytical Chemistry</i> , 2020 , 876, 114514	4.1	2
51	Synthesis of DHA/EPA Ethyl Esters via Lipase-Catalyzed Acidolysis Using Novozym [®] 435: A Kinetic Study. <i>Catalysts</i> , 2020 , 10, 565	4	6
50	Enzyme-Assisted Aqueous Extraction of Cobia Liver Oil and Protein Hydrolysates with Antioxidant Activity. <i>Catalysts</i> , 2020 , 10, 1323	4	4
49	Degradation of Fucoidan by Ascorbic Acid and Hydrogen Peroxide, and Compositional, Structural, and In Vitro Anti-Lung Cancer Analyses of the Degradation Products. <i>Marine Drugs</i> , 2020 , 18,	6	6

48	Continuous Production of 2-Phenylethyl Acetate in a Solvent-Free System Using a Packed-Bed Reactor with Novozym \square 435. <i>Catalysts</i> , 2020 , 10, 714	4	6
47	Novel MoS quantum dots as a highly efficient visible-light driven photocatalyst in water remediation.. <i>RSC Advances</i> , 2020 , 10, 31794-31799	3.7	7
46	Optimization of Light Intensity, Temperature, and Nutrients to Enhance the Bioactive Content of Hyperforin and Rutin in St. John's Wort. <i>Molecules</i> , 2020 , 25,	4.8	2
45	Comparison of Artificial Neural Networks and Response Surface Methodology towards an Efficient Ultrasound-Assisted Extraction of Chlorogenic Acid from. <i>Molecules</i> , 2019 , 24,	4.8	11
44	The effect of extrusion puffing on the physicochemical properties of brown rice used for saccharification and Chinese rice wine fermentation. <i>Food Hydrocolloids</i> , 2019 , 94, 363-370	10.6	24
43	Bioprocessed Production of Resveratrol-Enriched Rice Wine: Simultaneous Rice Wine Fermentation, Extraction, and Transformation of Piceid to Resveratrol from Roots. <i>Foods</i> , 2019 , 8,	4.9	2
42	Hydrolysis of Orange Peel with Cellulase and Pectinase to Produce Bacterial Cellulose using <i>Gluconacetobacter xylinus</i> . <i>Waste and Biomass Valorization</i> , 2019 , 10, 85-93	3.2	32
41	Extraction of crude chitosans from squid (<i>Illex argentinus</i>) pen by a compressional puffing-pretreatment process and evaluation of their antibacterial activity. <i>Food Chemistry</i> , 2018 , 254, 217-223	8.5	19
40	Antibacterial and Antioxidant Capacities and Attenuation of Lipid Accumulation in 3T3-L1 Adipocytes by Low-Molecular-Weight Fucoindans Prepared from Compressional-Puffing-Pretreated <i>Sargassum Crassifolium</i> . <i>Marine Drugs</i> , 2018 , 16,	6	19
39	Predicting sugar content of candied watermelon rind during osmotic dehydration. <i>Food Science and Technology</i> , 2018 , 38, 228-235	2	3
38	Developing a High-Temperature Solvent-Free System for Efficient Biocatalysis of Octyl Ferulate. <i>Catalysts</i> , 2018 , 8, 338	4	10
37	Free Radical-Scavenging, Anti-Inflammatory, and Antibacterial Activities of Water and Ethanol Extracts Prepared from Compressional-Puffing Pretreated Mango (<i>Mangifera indica</i> L.) Peels. <i>Journal of Food Quality</i> , 2018 , 2018, 1-13	2.7	16
36	36H: A Novel Potent Inhibitor for Antimelanogenesis. <i>Oxidative Medicine and Cellular Longevity</i> , 2018 , 2018, 6354972	6.7	15
35	Highly efficient extraction of EPA/DHA-enriched oil from cobia liver using homogenization plus sonication. <i>European Journal of Lipid Science and Technology</i> , 2017 , 119, 1600466	3	18
34	RSM and ANN modeling-based optimization approach for the development of ultrasound-assisted liposome encapsulation of piceid. <i>Ultrasonics Sonochemistry</i> , 2017 , 36, 112-122	8.9	42
33	An Efficient Approach for Lipase-Catalyzed Synthesis of Retinyl Laurate Nutraceutical by Combining Ultrasound Assistance and Artificial Neural Network Optimization. <i>Molecules</i> , 2017 , 22,	4.8	6
32	Green Synthesis of Ultraviolet Absorber 2-Ethylhexyl Salicylate: Experimental Design and Artificial Neural Network Modeling. <i>Catalysts</i> , 2017 , 7, 342	4	3
31	Compressional-Puffing Pretreatment Enhances Neuroprotective Effects of Fucoindans from the Brown Seaweed <i>Sargassum hemiphyllum</i> on 6-Hydroxydopamine-Induced Apoptosis in SH-SY5Y Cells. <i>Molecules</i> , 2017 , 23,	4.8	26

30	Utilization of acetate buffer to improve bacterial cellulose production by <i>Gluconacetobacter xylinus</i> . <i>Food Hydrocolloids</i> , 2016 , 53, 98-103	10.6	59
29	A novel enzyme-assisted ultrasonic approach for highly efficient extraction of resveratrol from <i>Polygonum cuspidatum</i> . <i>Ultrasonics Sonochemistry</i> , 2016 , 32, 258-264	8.9	50
28	Highly Efficient Synthesis of an Emerging Lipophilic Antioxidant: 2-Ethylhexyl Ferulate. <i>Molecules</i> , 2016 , 21, 478	4.8	9
27	Production of Resveratrol by Piceid Deglycosylation Using Cellulase. <i>Catalysts</i> , 2016 , 6, 32	4	12
26	Formation of amide bond catalyzed by lipase in aqueous phase for peptide synthesis. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016 , 129, 15-20		5
25	Knock-out of glucose dehydrogenase gene in <i>Gluconacetobacter xylinus</i> for bacterial cellulose production enhancement. <i>Biotechnology and Bioprocess Engineering</i> , 2015 , 20, 18-25	3.1	31
24	Kinetics and optimization of lipase-catalyzed synthesis of rose fragrance 2-phenylethyl acetate through transesterification. <i>Process Biochemistry</i> , 2014 , 49, 437-444	4.8	38
23	Response surface methodology and artificial neural network optimized synthesis of enzymatic 2-phenylethyl acetate in a solvent-free system. <i>Biocatalysis and Agricultural Biotechnology</i> , 2014 , 3, 1-6	4.2	18
22	Simultaneous Saccharification and Fermentation of Waste Textiles for Ethanol Production. <i>BioResources</i> , 2014 , 9,	1.3	7
21	Optimized ultrasound-assisted extraction of phenolic compounds from <i>Polygonum cuspidatum</i> . <i>Molecules</i> , 2013 , 19, 67-77	4.8	28
20	Lipase-immobilized biocatalytic membranes for biodiesel production. <i>Bioresource Technology</i> , 2013 , 145, 229-32	11	37
19	Kinetic aspects of ultrasound-accelerated lipase catalyzed acetylation and optimal synthesis of 4-acetoxyresveratrol. <i>Ultrasonics Sonochemistry</i> , 2013 , 20, 546-52	8.9	38
18	Effect of membranes with various hydrophobic/hydrophilic properties on lipase immobilized activity and stability. <i>Journal of Bioscience and Bioengineering</i> , 2012 , 113, 166-72	3.3	35
17	A green peptide synthesis using a magnetic biocatalyst in a stirred-tank bioreactor. <i>Biocatalysis and Agricultural Biotechnology</i> , 2012 , 1, 20-24	4.2	3
16	Optimal covalent immobilization of α -chymotrypsin on Fe ₃ O ₄ -chitosan nanoparticles. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012 , 78, 9-15		35
15	Optimization of Lipase-Catalyzed Synthesis of Cetyl Octanoate in Supercritical Carbon Dioxide. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2012 , 89, 103-110	1.8	9
14	Product Selectivity and Optimization of Lipase-Catalyzed 1,3-Propylene Glycol Esters by Mixture Design and RSM. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2012 , 89, 231-241	1.8	5
13	Solvent selection and optimization of α -chymotrypsin-catalyzed synthesis of N-Ac-Phe-Tyr-NH ₂ using mixture design and response surface methodology. <i>Biotechnology Progress</i> , 2012 , 28, 1443-9	2.8	1

12	Lipase catalyzed acetylation of 3,5,4-trihydroxystilbene: optimization and kinetics study. <i>Bioprocess and Biosystems Engineering</i> , 2012 , 35, 1137-45	3.7	2
11	Optimum Lipase Immobilized on Diamine-Grafted PVDF Membrane and Its Characterization. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 5141-5147	3.9	27
10	Ultrasonic-assisted extraction of the botanical dietary supplement resveratrol and other constituents of <i>Polygonum cuspidatum</i> . <i>Journal of Natural Products</i> , 2012 , 75, 1810-3	4.9	38
9	Enzymatic synthesis of rose aromatic ester (2-phenylethyl acetate) by lipase. <i>Journal of the Science of Food and Agriculture</i> , 2012 , 92, 2141-7	4.3	19
8	Green and efficient production of octyl hydroxyphenylpropionate using an ultrasound-assisted packed-bed bioreactor. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012 , 39, 655-60	4.2	3
7	Optimum conditions for lipase immobilization on chitosan-coated Fe ₃ O ₄ nanoparticles. <i>Carbohydrate Polymers</i> , 2012 , 87, 2538-2545	10.3	166
6	High yield of wax ester synthesized from cetyl alcohol and octanoic acid by lipozyme RMIM and Novozym 435. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 11694-704	6.3	41
5	Optimization of Enzymatic Synthesis of Cetyl 2-Ethylhexanoate by Novozym 435. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2011 , 88, 1917-1923	1.8	13
4	A continuous ultrasound-assisted packed-bed bioreactor for the lipase-catalyzed synthesis of caffeic acid phenethyl ester. <i>Journal of Chemical Technology and Biotechnology</i> , 2011 , 86, 1289-1294	3.5	13
3	Enzymatic saccharification of dissolution pretreated waste cellulosic fabrics for bacterial cellulose production by <i>Gluconacetobacter xylinus</i> . <i>Journal of Chemical Technology and Biotechnology</i> , 2010 , 85, 1346-1352	3.5	43
2	Enhanced enzymatic hydrolysis of sugarcane bagasse by N-methylmorpholine-N-oxide pretreatment. <i>Bioresource Technology</i> , 2009 , 100, 866-71	11	130
1	Enhancement of enzymatic saccharification of cellulose by cellulose dissolution pretreatments. <i>Carbohydrate Polymers</i> , 2009 , 77, 41-46	10.3	214