

Jun Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8411186/publications.pdf>

Version: 2024-02-01

95
papers

1,449
citations

361413

20
h-index

414414

32
g-index

97
all docs

97
docs citations

97
times ranked

1580
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein hydrolysates from silkworm (<i>Bombyx mori</i>) pupae protein treated with a novel neutral protease. <i>Journal of Insects As Food and Feed</i> , 2022, 8, 295-311.	3.9	3
2	W/W droplet-based microfluidic interfacial catalysis of xylanase-polymer conjugates for xylooligosaccharides production. <i>Chemical Engineering Science</i> , 2022, 248, 117110.	3.8	6
3	Sweet-flavored peptides with biological activities from mulberry seed protein treated by multifrequency countercurrent ultrasonic technology. <i>Food Chemistry</i> , 2022, 367, 130647.	8.2	13
4	Lowering energy consumption for fermentable sugar production from <i>Ramulus mori</i> : Engineered xylanase synergy and improved pretreatment strategy. <i>Bioresource Technology</i> , 2022, 344, 126368.	9.6	6
5	The role of Glutathione-S-transferases in phoxim and chlorfenapyr tolerance in a major mulberry pest, <i>Glyphodes pyloalis</i> walker (Lepidoptera: Pyralidae). <i>Pesticide Biochemistry and Physiology</i> , 2022, 181, 105004.	3.6	12
6	Microfluidic fatty acid rearrangement in silkworm pupae oil with magnetically responsive lipase under continuous-flow condition. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 26, 100616.	3.3	1
7	Kitchen Waste Oil Convert to Biodiesel via W/O Interface Biocatalysis with <i>Thermomyces Lanuginosus</i> Lipase-PNIPAAm Conjugates. <i>Waste and Biomass Valorization</i> , 2022, 13, 3945-3956.	3.4	1
8	Antioxidant peptides derived from mulberry seed protein by ionic liquid-enhanced microfluidic hydrolysis with immobilized protease. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 4435-4447.	4.6	6
9	Asn57 N-glycosylation promotes the degradation of hemicellulose by β -1,3-glucanase from <i>Rhizopus homothallicus</i> . <i>Environmental Science and Pollution Research</i> , 2022, , 1.	5.3	2
10	Microfluidic preparation of a novel phoxim nanoemulsion pesticide against <i>Spodoptera litura</i> . <i>Environmental Science and Pollution Research</i> , 2022, , 1.	5.3	0
11	Fatty acid synthases and desaturases are essential for the biosynthesis of ω -3 linolenic acid and metamorphosis in a major mulberry pest, <i>Glyphodes pyloalis</i> walker (Lepidoptera: Pyralidae). <i>Environmental Science and Pollution Research</i> , 2022, 28, 24432-24440.	10.7843	10
12	Identification of candidate chemosensory genes by antennal transcriptome analysis in an ectoparasitoid wasp. <i>Journal of Applied Entomology</i> , 2022, 146, 335-351.	1.8	4
13	Formulation and stability of silkworm pupae oil microemulsion. <i>Sustainable Chemistry and Pharmacy</i> , 2022, 27, 100702.	3.3	2
14	Characteristics of Mulberry Leaf Powder Enriched With β -Aminobutyric Acid and Its Antioxidant Capacity as a Potential Functional Food Ingredient. <i>Frontiers in Nutrition</i> , 2022, 9, .	3.7	7
15	Defatted silkworm pupae hydrolysates as a nitrogen source to produce polysaccharides and flavonoids using <i>Phellinus baumii</i> . <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 527-537.	4.6	5
16	Enrichment and purification of red pigments from defective mulberry fruits using biotransformation in a liquid-liquid-solid three-phase system. <i>Environmental Science and Pollution Research</i> , 2021, 28, 24432-24440.	5.3	7
17	Ultrasound-assisted extraction ameliorates the physicochemical properties of defatted mulberry seed protein to promote lipid production in <i>Schizochytrium</i> sp. SR21. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 489-502.	4.6	6
18	Nutritional targeting modification of silkworm pupae oil catalyzed by a smart hydrogel immobilized lipase. <i>Food and Function</i> , 2021, 12, 6240-6253.	4.6	10

#	ARTICLE	IF	CITATIONS
19	An alternative solution for $\hat{\pm}$ -linolenic acid supplements: <i>in vitro</i> digestive properties of silkworm pupae oil in a pH-stat system. <i>Food and Function</i> , 2021, 12, 2428-2441.	4.6	13
20	Characterization and Functional Analysis of trehalase Related to Chitin Metabolism in <i>Glyphodes pyloalis</i> Walker (Lepidoptera: Pyralidae). <i>Insects</i> , 2021, 12, 370.	2.2	11
21	Novel Poly-(Lactic-Co-Glycolic Acid) Targeted Nanoparticles Conjoint with Antibody for the Enhancement of Antibacterial Activity against <i>Ralstonia solanacearum</i> . <i>Agronomy</i> , 2021, 11, 1159.	3.0	1
22	Analysis of the <i>Glyphodes pyloalis</i> larvae immune transcriptome in response to parasitization by its endoparasitoid, <i>Aulacocentrum confusum</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 38, 100803.	1.0	6
23	Cytochrome P450s Are Essential for Insecticide Tolerance in the Endoparasitoid Wasp <i>Meteorus pulchricornis</i> (Hymenoptera: Braconidae). <i>Insects</i> , 2021, 12, 651.	2.2	11
24	Xylanase-polymer conjugates as new catalysts for xylooligosaccharides production from lignocellulose. <i>Biochemical Engineering Journal</i> , 2021, 171, 108025.	3.6	5
25	A role of peptidoglycan recognition protein in mediating insecticide detoxification in <i>Glyphodes pyloalis</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2021, 108, e21842.	1.5	0
26	UDP-glycosyltransferases contribute to the tolerance of parasitoid wasps towards insecticides. <i>Pesticide Biochemistry and Physiology</i> , 2021, 179, 104967.	3.6	10
27	Improvement of XYL10C_â†N catalytic performance through loop engineering for lignocellulosic biomass utilization in feed and fuel industries. <i>Biotechnology for Biofuels</i> , 2021, 14, 195.	6.2	9
28	Loop engineering of a thermostable GH10 xylanase to improve low-temperature catalytic performance for better synergistic biomass-degrading abilities. <i>Bioresource Technology</i> , 2021, 342, 125962.	9.6	16
29	Identification of chemosensory genes by antennal transcriptome analysis and expression profiles of odorant-binding proteins in parasitoid wasp <i>Aulacocentrum confusum</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021, 40, 100881.	1.0	15
30	Evaluation of Sensitivity to Phoxim and Cypermethrin in an Endoparasitoid, <i>Meteorus pulchricornis</i> (Wesmael) (Hymenoptera: Braconidae), and Its Parasitization Efficiency Under Insecticide Stress. <i>Journal of Insect Science</i> , 2021, 21, .	1.5	10
31	Characterization, and Functional Analysis of Hsp70 and Hsp90 Gene Families in <i>Glyphodes pyloalis</i> Walker (Lepidoptera: Pyralidae). <i>Frontiers in Physiology</i> , 2021, 12, 753914.	2.8	4
32	One hour enzymatic synthesis of structure lipids enriched unsaturated fatty acids from silkworm pupae oil under microwave irradiation. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 363-372.	3.2	13
33	Enhanced permeability of recombinant <i>E. coli</i> cells with deep eutectic solvent for transformation of rutin. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 384-393.	3.2	18
34	Effect of Pyrola extract on the stability of palm biodiesel upon exposure to copper. <i>Renewable Energy</i> , 2020, 149, 1282-1289.	8.9	2
35	Synthesis and characterization of structural lipids with a balanced ratio of n-6/n-3 from mulberry seed oil and $\hat{\pm}$ -linolenic acid using a microfluidic enzyme reactor. <i>Food and Bioprocess Processing</i> , 2020, 120, 21-32.	3.6	9
36	Lipid Dynamics, Identification, and Expression Patterns of Fatty Acid Synthase Genes in an Endoparasitoid, <i>Meteorus pulchricornis</i> (Hymenoptera: Braconidae). <i>International Journal of Molecular Sciences</i> , 2020, 21, 6228.	4.1	7

#	ARTICLE	IF	CITATIONS
37	Identifications, Characteristics, and Expression Patterns of Small Heat Shock Protein Genes in a Major Mulberry Pest, <i>Glyphodes pyloalis</i> (Lepidoptera: Pyralidae). <i>Journal of Insect Science</i> , 2020, 20, .	1.5	13
38	Evaluation of inhibitory activities of two medicinal plant extracts <i>Parkia biglobosa</i> and <i>Lonicera japonica</i> against spoilage microorganisms isolated from mulberry fruit. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14630.	2.0	4
39	Dual promoter strategy enhances co-expression of α -L-rhamnosidase and enhanced fluorescent protein for whole-cell catalysis and bioresource valorization. <i>Science of the Total Environment</i> , 2020, 722, 137865.	8.0	1
40	Identification and Functional Study of Chitin Metabolism and Detoxification-Related Genes in <i>Glyphodes pyloalis</i> Walker (Lepidoptera: Pyralidae) Based on Transcriptome Analysis. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1904.	4.1	14
41	Microencapsulation and Antimicrobial Activity of Plant Essential Oil Against <i>Ralstonia solanacearum</i> . <i>Waste and Biomass Valorization</i> , 2020, 11, 5273-5282.	3.4	14
42	Identification, Characterization, and Functional Analysis of Chitin Synthase Genes in <i>Glyphodes pyloalis</i> Walker (Lepidoptera: Pyralidae). <i>International Journal of Molecular Sciences</i> , 2020, 21, 4656.	4.1	11
43	A novel nanoparticle loaded with methyl caffeate and caffeic acid phenethyl ester against <i>Ralstonia solanacearum</i> a plant pathogenic bacteria. <i>RSC Advances</i> , 2020, 10, 3978-3990.	3.6	10
44	Flavonoid Glycoside Transformation Catalyzed by Whole-Cell Catalysts Using a PVDF Membrane Reactor Coupled with Reaction and Separation. <i>Waste and Biomass Valorization</i> , 2020, 11, 5321-5332.	3.4	1
45	A novel microfluidic aqueous two-phase system with immobilized enzyme enhances cyanidin-3-O-glucoside content in red pigments from mulberry fruits. <i>Biochemical Engineering Journal</i> , 2020, 158, 107556.	3.6	14
46	Inositol as a new enhancer for improving lipid production and accumulation in <i>Schizochytrium</i> sp. SR21. <i>Environmental Science and Pollution Research</i> , 2019, 26, 35497-35508.	5.3	10
47	Immunoregenerative effects of the bionically cultured <i>Sanghuang</i> mushrooms (<i>Inonotus sanghuagn</i>) on the immunodeficient mice. <i>Journal of Ethnopharmacology</i> , 2019, 245, 112047.	4.1	18
48	Identification of glutathione-S-transferase genes by transcriptome analysis in <i>Meteorus pulchricornis</i> (Hymenoptera: Braconidae) and their expression patterns under stress of phoxim and cypermethrin. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 31, 100607.	1.0	9
49	Microfluidic tools for lipid production and modification: a review. <i>Environmental Science and Pollution Research</i> , 2019, 26, 35482-35496.	5.3	5
50	Ionic liquid groups modified 3D porous cellulose microspheres for selective adsorption of AO7 dye. <i>Journal of Cleaner Production</i> , 2019, 240, 118201.	9.3	41
51	Effect of six sugars on the longevity, oviposition performance and nutrition accumulation in an endoparasitoid, <i>Meteorus pulchricornis</i> (Hymenoptera: Braconidae). <i>Journal of Asia-Pacific Entomology</i> , 2019, 22, 263-268.	0.9	4
52	Enzyme immobilization on photopatterned temperature-responsive poly (N-isopropylacrylamide) for microfluidic biocatalysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 1670-1678.	3.2	9
53	Enzyme immobilized on the surface geometry pattern of groove-typed microchannel reactor enhances continuous flow catalysis. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 2569-2579.	3.2	10
54	Improvement in catalytic activity and thermostability of a GH10 xylanase and its synergistic degradation of biomass with cellulase. <i>Biotechnology for Biofuels</i> , 2019, 12, 278.	6.2	24

#	ARTICLE	IF	CITATIONS
55	Enzymatic synthesis of 1-caffeoylglycerol with deep eutectic solvent under continuous microflow conditions. <i>Biochemical Engineering Journal</i> , 2019, 142, 41-49.	3.6	24
56	Generation of \pm -Linolenic Acid Ethyl Ester Microparticles from Silkworm Pupae Oil by Microfluidic Droplet. <i>Waste and Biomass Valorization</i> , 2019, 10, 3781-3791.	3.4	5
57	Enzymatic Synthesis and Antioxidant Activity of 1-Caffeoylglycerol Prepared from Alkyl Caffeates and Glycerol. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2018, 95, 149-159.	1.9	5
58	The combined use of a continuous-flow microchannel reactor and ionic liquid cosolvent for efficient biocatalysis of unpurified recombinant enzyme. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2671-2680.	3.2	12
59	Recombinant <i>Escherichia coli</i> BL21-pET28a-egfp Cultivated with Nanomaterials in a Modified Microchannel for Biofilm Formation. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2590.	4.1	4
60	Fed-Batch Fermentation of <i>Yarrowia Lipolytica</i> Using Defatted Silkworm Pupae Hydrolysate: A Dynamic Model-Based Approach for High Yield of Lipid Production. <i>Waste and Biomass Valorization</i> , 2018, 9, 2399-2411.	3.4	18
61	Generic DART-MS platform for monitoring the on-demand continuous-flow production of pharmaceuticals: Advancing the quantitative protocol for caffeates in microfluidic biocatalysis. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 137, 243-251.	2.8	2
62	Moving and unsinkable graphene sheets immobilized enzyme for microfluidic biocatalysis. <i>Scientific Reports</i> , 2017, 7, 4309.	3.3	52
63	Converting defatted silkworm pupae by <i>Yarrowia lipolytica</i> for enhanced lipid production. <i>European Journal of Lipid Science and Technology</i> , 2017, 119, 1600120.	1.5	5
64	Cooperative Reinforcement of Ionic Liquid and Reactive Solvent on Enzymatic Synthesis of Caffeic Acid Phenethyl Ester as an In Vitro Inhibitor of Plant Pathogenic Bacteria. <i>Molecules</i> , 2017, 22, 72.	3.8	8
65	Selective synthesis of human milk fat-style structured triglycerides from microalgal oil in a microfluidic reactor packed with immobilized lipase. <i>Bioresource Technology</i> , 2016, 220, 132-141.	9.6	39
66	Isoquercitrin production from rutin catalyzed by naringinase under ultrasound irradiation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2016, 134, 186-195.	1.8	14
67	Enhanced biocatalysis mechanism under microwave irradiation in isoquercitrin production revealed by circular dichroism and surface plasmon resonance spectroscopy. <i>Bioresource Technology</i> , 2016, 205, 48-57.	9.6	9
68	Enzymatic modification of chitosan by cinnamic acids: Antibacterial activity against <i>Ralstonia solanacearum</i> . <i>International Journal of Biological Macromolecules</i> , 2016, 87, 577-585.	7.5	70
69	Microfluidic biocatalysis enhances the esterification of caffeic acid and methanol under continuous-flow conditions. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 555-562.	3.2	23
70	APA-style human milk fat analogue from silkworm pupae oil: Enzymatic production and improving storage stability using alkyl caffeates. <i>Scientific Reports</i> , 2015, 5, 17909.	3.3	21
71	Structured lipids enriched with unsaturated fatty acids produced by enzymatic acidolysis of silkworm pupae oil using oleic acid. <i>European Journal of Lipid Science and Technology</i> , 2015, 117, 879-889.	1.5	28
72	An effective biphasic system accelerates hesperidinase-catalyzed conversion of rutin to isoquercitrin. <i>Scientific Reports</i> , 2015, 5, 8682.	3.3	20

#	ARTICLE	IF	CITATIONS
73	A peculiar segmented flow microfluidics for isoquercitrin biosynthesis based on coupling of reaction and separation. <i>Bioresource Technology</i> , 2015, 193, 498-506.	9.6	10
74	Ultrasound irradiation accelerates the lipase-catalyzed synthesis of methyl caffeate in an ionic liquid. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 111, 21-28.	1.8	32
75	From microalgae oil to produce novel structured triacylglycerols enriched with unsaturated fatty acids. <i>Bioresource Technology</i> , 2015, 184, 405-414.	9.6	72
76	Alkyl Caffeates Improve the Antioxidant Activity, Antitumor Property and Oxidation Stability of Edible Oil. <i>PLoS ONE</i> , 2014, 9, e95909.	2.5	20
77	(+)-Cyclophenol, a new naturally occurring 7-membered 2,5-dioxopiperazine alkaloid from the fungus <i>Penicillium sclerotiorum</i> endogenous with the Chinese mangrove <i>Bruguiera gymnorrhiza</i> . <i>Journal of Asian Natural Products Research</i> , 2014, 16, 542-548.	1.4	21
78	Enhancement of Lipase-catalyzed Synthesis of Caffeic Acid Phenethyl Ester in Ionic Liquid with DMSO Co-solvent. <i>Chinese Journal of Chemical Engineering</i> , 2014, 22, 1314-1321.	3.5	12
79	A novel continuous flow biosynthesis of caffeic acid phenethyl ester from alkyl caffeate and phenethanol in a packed bed microreactor. <i>Bioresource Technology</i> , 2014, 158, 39-47.	9.6	55
80	A novel chemoenzymatic synthesis of propyl caffeate using lipase-catalyzed transesterification in ionic liquid. <i>Bioresource Technology</i> , 2013, 139, 337-342.	9.6	50
81	Two-step in situ biodiesel production from microalgae with high free fatty acid content. <i>Bioresource Technology</i> , 2013, 136, 8-15.	9.6	124
82	Lipase-catalyzed Synthesis of Caffeic Acid Phenethyl Ester in Ionic Liquids: Effect of Specific Ions and Reaction Parameters. <i>Chinese Journal of Chemical Engineering</i> , 2013, 21, 1376-1385.	3.5	13
83	Rapid synthesis of propyl caffeate in ionic liquid using a packed bed enzyme microreactor under continuous-flow conditions. <i>Bioresource Technology</i> , 2013, 149, 367-374.	9.6	37
84	Enhancement of the selective enzymatic biotransformation of rutin to isoquercitrin using an ionic liquid as a co-solvent. <i>Bioresource Technology</i> , 2013, 128, 156-163.	9.6	51
85	Enrichment process for γ -linolenic acid from silkworm pupae oil. <i>European Journal of Lipid Science and Technology</i> , 2013, 115, 791-799.	1.5	24
86	Hexyl (E)-3-(3,4-dihydroxyphenyl)acrylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o78-o78.	0.2	2
87	(E)-Isopentyl 3-(3,4-dihydroxyphenyl)acrylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012, 68, o557-o557.	0.2	0
88	Numerical Simulation of Effect of Internals on Slugging Fluidization and Analysis of Nonuniformity Index. <i>International Journal of Chemical Reactor Engineering</i> , 2012, 10, .	1.1	0
89	Selective hydrolysis by commercially available hesperidinase for isoquercitrin production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 81, 37-42.	1.8	26
90	Reactive extraction and recovery of mono-caffeoylquinic acids from tobacco wastes by trialkylphosphine oxide. <i>Chemical Engineering Science</i> , 2012, 78, 53-62.	3.8	16

#	ARTICLE	IF	CITATIONS
91	Isolation of monoâ€œcaffeoylquinic acids from tobacco waste using continuous resinâ€œbased preâ€œseparation and preparative <scp>HPLC</scp>. Journal of Separation Science, 2012, 35, 1379-1387.	2.5	10
92	Pentyl (E)-3-(3,4-dihydroxyphenyl)acrylate. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, o2871-o2871.	0.2	9
93	Investigation of the kinetics and mechanism of the glycerol chlorination reaction using gas chromatography-mass spectrometry. Journal of the Serbian Chemical Society, 2010, 75, 101-112.	0.8	3
94	Discrimination and classification of tobacco wastes by identification and quantification of polyphenols with LC-MS/MS. Journal of the Serbian Chemical Society, 2010, 75, 875-891.	0.8	25
95	Simultaneous Determination of Four Active Components in Tobacco Wastes by LC. Chromatographia, 2009, 69, 561-566.	1.3	11