

Xiao-Hong Yu

List of Publications by Year in descending order

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33
papers

1,609
citations

361413

20
h-index

395702

33
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35
all docs

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docs citations

35
times ranked

2502
citing authors

#	ARTICLE	IF	CITATIONS
1	Regioselectivity mechanism of the <i>Thunbergia alata</i> Δ^6 -16:0-acyl carrier protein desaturase. <i>Plant Physiology</i> , 2022, 188, 1537-1549.	4.8	3
2	Biotin attachment domain-containing proteins mediate hydroxy fatty acid-dependent inhibition of acetyl CoA carboxylase. <i>Plant Physiology</i> , 2021, 185, 892-901.	4.8	7
3	Monolignol acyltransferase for lignin p-hydroxybenzoylation in <i>Populus</i> . <i>Nature Plants</i> , 2021, 7, 1288-1300.	9.3	30
4	A consensus-based ensemble approach to improve transcriptome assembly. <i>BMC Bioinformatics</i> , 2021, 22, 513.	2.6	3
5	The Inducible Accumulation of Cell Wall-Bound p-Hydroxybenzoates Is Involved in the Regulation of Gravitropic Response of <i>Poplar</i> . <i>Frontiers in Plant Science</i> , 2021, 12, 755576.	3.6	3
6	Solving a furan fatty acid biosynthesis puzzle. <i>Journal of Biological Chemistry</i> , 2020, 295, 9802-9803.	3.4	4
7	Structural basis for Ca ²⁺ -dependent activation of a plant metacaspase. <i>Nature Communications</i> , 2020, 11, 2249.	12.8	38
8	A conserved evolutionary mechanism permits Δ^9 desaturation of very-long-chain fatty acyl lipids. <i>Journal of Biological Chemistry</i> , 2020, 295, 11337-11345.	3.4	7
9	Expression of a Lychee <i>PHOSPHATIDYLCHOLINE:DIACYLGLYCEROL CHOLINEPHOSPHOTRANSFERASE</i> with an <i>Escherichia coli</i> <i>CYCLOPROPANE SYNTHASE</i> Enhances Cyclopropane Fatty Acid Accumulation in <i>Camelina</i> Seeds. <i>Plant Physiology</i> , 2019, 180, 1351-1361.	4.8	14
10	Tissue-specific differences in metabolites and transcripts contribute to the heterogeneity of ricinoleic acid accumulation in <i>Ricinus communis</i> L. (castor) seeds. <i>Metabolomics</i> , 2019, 15, 6.	3.0	21
11	Identification of bottlenecks in the accumulation of cyclic fatty acids in <i>Camelina</i> seed oil. <i>Plant Biotechnology Journal</i> , 2018, 16, 926-938.	8.3	32
12	Two clusters of residues contribute to the activity and substrate specificity of Fm1, a bifunctional oleate and linoleate desaturase of fungal origin. <i>Journal of Biological Chemistry</i> , 2018, 293, 19844-19853.	3.4	11
13	Coexpressing <i>Escherichia coli</i> Cyclopropane Synthase with <i>Sterculia foetida</i> Lysophosphatidic Acid Acyltransferase Enhances Cyclopropane Fatty Acid Accumulation. <i>Plant Physiology</i> , 2014, 164, 455-465.	4.8	41
14	Increased accumulation of the cardio-cerebrovascular disease treatment drug tanshinone in <i>Salvia miltiorrhiza</i> hairy roots by the enzymes 3-hydroxy-3-methylglutaryl CoA reductase and 1-deoxy-d-xylulose 5-phosphate reductoisomerase. <i>Functional and Integrative Genomics</i> , 2014, 14, 603-615.	3.5	101
15	Characterization and Ectopic Expression of a <i>Populus</i> Hydroxyacid Hydroxycinnamoyltransferase. <i>Molecular Plant</i> , 2013, 6, 1889-1903.	8.3	27
16	Fusing catalase to an alkane-producing enzyme maintains enzymatic activity by converting the inhibitory byproduct H ₂ O ₂ to the cosubstrate O ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 3191-3196.	7.1	109
17	Acetyltransferase-Mediated Deacetylation of Pectin Impairs Cell Elongation, Pollen Germination, and Plant Reproduction. <i>Plant Cell</i> , 2012, 24, 50-65.	6.6	132
18	Conjugated Fatty Acid Synthesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 16230-16237.	3.4	24

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19	Structural basis for modification of flavonol and naphthol glucoconjugates by <i>Nicotiana tabacum</i> malonyltransferase (NtMaT1). <i>Planta</i> , 2012, 236, 781-793.	3.2	23
20	Characterization and analysis of the cotton cyclopropane fatty acid synthase family and their contribution to cyclopropane fatty acid synthesis. <i>BMC Plant Biology</i> , 2011, 11, 97.	3.6	51
21	<i>Defective Pollen Wall</i> Is Required for Anther and Microspore Development in Rice and Encodes a Fatty Acyl Carrier Protein Reductase. <i>Plant Cell</i> , 2011, 23, 2225-2246.	6.6	226
22	<i>Male Sterile2</i> Encodes a Plastid-Localized Fatty Acyl Carrier Protein Reductase Required for Pollen Exine Development in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2011, 157, 842-853.	4.8	188
23	A hydroxycinnamoyltransferase responsible for synthesizing suberin aromatics in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18855-18860.	7.1	153
24	BAHD superfamily of acyl-CoA dependent acyltransferases in <i>Populus</i> and <i>Arabidopsis</i> : bioinformatics and gene expression. <i>Plant Molecular Biology</i> , 2009, 70, 421-442.	3.9	82
25	Stability and inheritance of endosperm-specific expression of two transgenes in progeny from crossing independently transformed barley plants. <i>Plant Cell Reports</i> , 2009, 28, 1265-1272.	5.6	12
26	Compositional characterization and imaging of cell-wall-bound acylesters of <i>Populus trichocarpa</i> reveal differential accumulation of acyl molecules in normal and reactive woods. <i>Planta</i> , 2008, 229, 15-24.	3.2	45
27	Nucleocytoplasmic-localized acyltransferases catalyze the malonylation of 7-O-glycosidic (iso)flavones in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2008, 55, 382-396.	5.7	59
28	Nucleocytoplasmic-localized acyltransferases catalyze the malonylation of 7-O-glycosidic (iso)flavones in <i>Medicago truncatula</i> . <i>Plant Journal</i> , 2008, 55, 080414150319983.	5.7	26
29	Expression of 3-OH trichothecene acetyltransferase in barley (<i>Hordeum vulgare</i> L.) and effects on deoxynivalenol. <i>Plant Science</i> , 2006, 171, 699-706.	3.6	48
30	Development of an analytical method for genome-wide functional identification of plant acyl-coenzyme A-dependent acyltransferases. <i>Analytical Biochemistry</i> , 2006, 358, 146-148.	2.4	22
31	A Protease Activity Displaying Some Thrombin-like Characteristics in Conditioned Medium of <i>Zinnia</i> Mesophyll Cells Undergoing Tracheary Element Differentiation. <i>Journal of Plant Growth Regulation</i> , 2004, 23, 292-300.	5.1	2
32	Molecular cloning and characterization of betaine aldehyde dehydrogenase gene from <i>Suaeda liaotungensis</i> and its use in improved tolerance to salinity in transgenic tobacco. <i>Biotechnology Letters</i> , 2003, 25, 1431-1436.	2.2	61
33	Final and Fatal Step of Tracheary Element Differentiation. <i>Progress in Biotechnology</i> , 2001, 18, 29-42.	0.2	2