

Zeng-Fu Xu

List of Publications by Year in descending order

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82
papers

2,212
citations

185998

28
h-index

264894

42
g-index

86
all docs

86
docs citations

86
times ranked

2382
citing authors

#	ARTICLE	IF	CITATIONS
1	Gibberellin Promotes Shoot Branching in the Perennial Woody Plant <i>Jatropha curcas</i> . <i>Plant and Cell Physiology</i> , 2015, 56, 1655-1666.	1.5	110
2	Benzyladenine Treatment Significantly Increases the Seed Yield of the Biofuel Plant <i>Jatropha curcas</i> . <i>Journal of Plant Growth Regulation</i> , 2011, 30, 166-174.	2.8	101
3	Functional characterization of various algal carotenoid ketolases reveals that ketolating zeaxanthin efficiently is essential for high production of astaxanthin in transgenic <i>Arabidopsis</i> . <i>Journal of Experimental Botany</i> , 2011, 62, 3659-3669.	2.4	85
4	Determination of oil contents in Sacha inchi (<i>Plukenetia volubilis</i>) seeds at different developmental stages by two methods: Soxhlet extraction and time-domain nuclear magnetic resonance. <i>Industrial Crops and Products</i> , 2014, 56, 187-190.	2.5	72
5	Isolation and functional characterization of JcFT, a FLOWERING LOCUS T (FT) homologous gene from the biofuel plant <i>Jatropha curcas</i> . <i>BMC Plant Biology</i> , 2014, 14, 125.	1.6	58
6	Using silica particles to isolate total RNA from plant tissues recalcitrant to extraction in guanidine thiocyanate. <i>Analytical Biochemistry</i> , 2008, 374, 426-428.	1.1	56
7	Vacuolar sorting receptors (VSRs) and secretory carrier membrane proteins (SCAMPs) are essential for pollen tube growth. <i>Plant Journal</i> , 2010, 61, 826-838.	2.8	56
8	Selection of Reliable Reference Genes for Gene Expression Studies in the Biofuel Plant <i>Jatropha curcas</i> Using Real-Time Quantitative PCR. <i>International Journal of Molecular Sciences</i> , 2013, 14, 24338-24354.	1.8	55
9	Manipulation of Auxin Response Factor 19 affects seed size in the woody perennial <i>Jatropha curcas</i> . <i>Scientific Reports</i> , 2017, 7, 40844.	1.6	54
10	Improved expression and purification of recombinant human serum albumin from transgenic tobacco suspension culture. <i>Journal of Biotechnology</i> , 2011, 155, 164-172.	1.9	52
11	Ectopic Overexpression of an AUXIN/INDOLE-3-ACETIC ACID (Aux/IAA) Gene OsIAA4 in Rice Induces Morphological Changes and Reduces Responsiveness to Auxin. <i>International Journal of Molecular Sciences</i> , 2013, 14, 13645-13656.	1.8	52
12	Analysis of the transcriptional responses in inflorescence buds of <i>Jatropha curcas</i> exposed to cytokinin treatment. <i>BMC Plant Biology</i> , 2014, 14, 318.	1.6	52
13	Repression of chilling-induced ACC accumulation in transgenic citrus by over-production of antisense 1-aminocyclopropane-1-carboxylate synthase RNA. <i>Plant Science</i> , 2001, 161, 969-977.	1.7	51
14	Identification of cis-elements for ethylene and circadian regulation of the <i>Solanum melongena</i> gene encoding cysteine proteinase. <i>Plant Molecular Biology</i> , 2005, 57, 629-643.	2.0	50
15	Comparative chloroplast genomics and phylogenetics of nine <i>Lindera</i> species (Lauraceae). <i>Scientific Reports</i> , 2018, 8, 8844.	1.6	50
16	Transcriptome of the inflorescence meristems of the biofuel plant <i>Jatropha curcas</i> treated with cytokinin. <i>BMC Genomics</i> , 2014, 15, 974.	1.2	49
17	A proteinase inhibitor II of <i>Solanum americanum</i> is expressed in phloem. <i>Plant Molecular Biology</i> , 2001, 47, 727-738.	2.0	48
18	Overexpression of <i>Jatropha</i> Gibberellin 2-oxidase 6 (JcGA2ox6) Induces Dwarfism and Smaller Leaves, Flowers and Fruits in <i>Arabidopsis</i> and <i>Jatropha</i> . <i>Frontiers in Plant Science</i> , 2017, 8, 2103.	1.7	46

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19	Comparative transcriptome analysis of axillary buds in response to the shoot branching regulators gibberellin A3 and 6-benzyladenine in <i>Jatropha curcas</i> . <i>Scientific Reports</i> , 2017, 7, 11417.	1.6	43
20	Two genes encoding protein phosphatase 2A catalytic subunits are differentially expressed in rice. <i>Plant Molecular Biology</i> , 2003, 51, 295-311.	2.0	40
21	The Nightshade Proteinase Inhibitor IIb Gene is Constitutively Expressed in Glandular Trichomes. <i>Plant and Cell Physiology</i> , 2006, 47, 1274-1284.	1.5	39
22	Identification and expression analysis of cytokinin metabolic genes <i>i>IPTs</i>, <i>i>CYP735A</i> and <i>i>CKXs</i> in the biofuel plant <i>i>Jatropha curcas</i>. <i>PeerJ</i>, 2018, 6, e4812.</i></i></i></i>	0.9	39
23	Selection of Reliable Reference Genes for Gene Expression Studies of a Promising Oilseed Crop, <i>Plukenetia volubilis</i> , by Real-Time Quantitative PCR. <i>International Journal of Molecular Sciences</i> , 2015, 16, 12513-12530.	1.8	38
24	Serine proteinase inhibitor proteins: Exogenous and endogenous functions. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2006, 42, 100-108.	0.9	36
25	Analysis of expressed sequence tags from biodiesel plant <i>Jatropha curcas</i> embryos at different developmental stages. <i>Plant Science</i> , 2011, 181, 696-700.	1.7	35
26	Comparative Transcriptome Analysis between Gynoecious and Monoecious Plants Identifies Regulatory Networks Controlling Sex Determination in <i>Jatropha curcas</i> . <i>Frontiers in Plant Science</i> , 2016, 7, 1953.	1.7	35
27	Inhibition of endogenous trypsin- and chymotrypsin-like activities in transgenic lettuce expressing heterogeneous proteinase inhibitor SaPIN2a. <i>Planta</i> , 2004, 218, 623-629.	1.6	33
28	Overexpression of a Weed (<i>Solanum americanum</i>) Proteinase Inhibitor in Transgenic Tobacco Results in Increased Glandular Trichome Density and Enhanced Resistance to <i>Helicoverpa armigera</i> and <i>Spodoptera litura</i> . <i>International Journal of Molecular Sciences</i> , 2009, 10, 1896-1910.	1.8	33
29	Three TFL1 homologues regulate floral initiation in the biofuel plant <i>Jatropha curcas</i> . <i>Scientific Reports</i> , 2017, 7, 43090.	1.6	32
30	Benzyladenine treatment promotes floral feminization and fruiting in a promising oilseed crop <i>Plukenetia volubilis</i> . <i>Industrial Crops and Products</i> , 2014, 59, 295-298.	2.5	30
31	An ortholog of LEAFY in <i>Jatropha curcas</i> regulates flowering time and floral organ development. <i>Scientific Reports</i> , 2016, 6, 37306.	1.6	30
32	Identification and expression analysis of two small heat shock protein cDNAs from developing seeds of biodiesel feedstock plant <i>Jatropha curcas</i> . <i>Plant Science</i> , 2011, 181, 632-637.	1.7	29
33	A promoter analysis of MOTHER OF FT AND TFL1 1 (<i>JcMFT1</i>), a seed-preferential gene from the biofuel plant <i>Jatropha curcas</i> . <i>Journal of Plant Research</i> , 2014, 127, 513-524.	1.2	29
34	Isolation and characterization of an ubiquitin extension protein gene (<i>JcUEP</i>) promoter from <i>Jatropha curcas</i> . <i>Planta</i> , 2015, 241, 823-836.	1.6	28
35	miR172 Regulates both Vegetative and Reproductive Development in the Perennial Woody Plant <i>Jatropha curcas</i> . <i>Plant and Cell Physiology</i> , 2018, 59, 2549-2563.	1.5	28
36	An efficient protocol for <i>Agrobacterium</i> -mediated transformation of the biofuel plant <i>Jatropha curcas</i> by optimizing kanamycin concentration and duration of delayed selection. <i>Plant Biotechnology Reports</i> , 2015, 9, 405-416.	0.9	25

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37	Identification and characterization of tetraploid and octoploid <i>Jatropha curcas</i> induced by colchicine. <i>Caryologia</i> , 2016, 69, 58-66.	0.2	25
38	Ectopic expression of <i>Jatropha curcas</i> APETALA1 (<i>JcAP1</i>) caused early flowering in <i>Arabidopsis</i> , but not in <i>Jatropha</i> . <i>PeerJ</i> , 2016, 4, e1969.	0.9	25
39	Characterization and in vitro mineralization function of a soluble protein complex P60 from the nacre of <i>Pinctada fucata</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2007, 148, 201-208.	0.7	24
40	G-box binding coincides with increased <i>Solanum melongena</i> cysteine proteinase expression in senescent fruits and circadian-regulated leaves. <i>Plant Molecular Biology</i> , 2003, 51, 9-19.	2.0	22
41	Identification and Characterization of the FT/TFL1 Gene Family in the Biofuel Plant <i>Jatropha curcas</i> . <i>Plant Molecular Biology Reporter</i> , 2015, 33, 326-333.	1.0	22
42	Plant Bioreactors for Pharmaceuticals. <i>Biotechnology and Genetic Engineering Reviews</i> , 2008, 25, 363-380.	2.4	21
43	Thidiazuron increases fruit number in the biofuel plant <i>Jatropha curcas</i> by promoting pistil development. <i>Industrial Crops and Products</i> , 2016, 81, 202-210.	2.5	19
44	Dehydroascorbate reductase and glutathione reductase play an important role in scavenging hydrogen peroxide during natural and artificial dehydration of <i>Jatropha curcas</i> seeds. <i>Journal of Plant Biology</i> , 2012, 55, 469-480.	0.9	18
45	Gibberellin Inhibits Floral Initiation in the Perennial Woody Plant <i>Jatropha curcas</i> . <i>Journal of Plant Growth Regulation</i> , 2018, 37, 999-1006.	2.8	18
46	Ectopic Expression of <i>Jatropha curcas</i> TREHALOSE-6-PHOSPHATE PHOSPHATASE J Causes Late-Flowering and Heterostylous Phenotypes in <i>Arabidopsis</i> but not in <i>Jatropha</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 2165.	1.8	17
47	De novo transcriptome assembly and comparative analysis between male and benzyladenine-induced female inflorescence buds of <i>Plukenetia volubilis</i> . <i>Journal of Plant Physiology</i> , 2018, 221, 107-118.	1.6	16
48	De novo genome assembly and Hi-C analysis reveal an association between chromatin architecture alterations and sex differentiation in the woody plant <i>Jatropha curcas</i> . <i>GigaScience</i> , 2020, 9, .	3.3	16
49	Production and characterization of soluble human lysosomal enzyme α -iduronidase with high activity from culture media of transgenic tobacco BY-2 cells. <i>Plant Science</i> , 2009, 177, 668-675.	1.7	15
50	Flower-Specific Overproduction of Cytokinins Altered Flower Development and Sex Expression in the Perennial Woody Plant <i>Jatropha curcas</i> L.. <i>International Journal of Molecular Sciences</i> , 2020, 21, 640.	1.8	15
51	The Characterization of SaPIN2b, a Plant Trichome-Localized Proteinase Inhibitor from <i>Solanum americanum</i> . <i>International Journal of Molecular Sciences</i> , 2012, 13, 15162-15176.	1.8	14
52	De novo transcriptome assembly of the eight major organs of <i>Sacha Inchi</i> (<i>Plukenetia volubilis</i>) and the identification of genes involved in α -linolenic acid metabolism. <i>BMC Genomics</i> , 2018, 19, 380.	1.2	14
53	Developmental basis for flower sex determination and effects of cytokinin on sex determination in <i>Plukenetia volubilis</i> (Euphorbiaceae). <i>Plant Reproduction</i> , 2020, 33, 21-34.	1.3	14
54	Efficiency of graft-transmitted JcFT for floral induction in woody perennial species of the <i>Jatropha</i> genus depends on transport distance. <i>Tree Physiology</i> , 2022, 42, 189-201.	1.4	14

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55	Genome sequence and characterization of a new virus infecting <i>Mikania micrantha</i> H.B.K.. <i>Archives of Virology</i> , 2008, 153, 1765-1770.	0.9	13
56	Characterization of the <i>Sesbania rostrata</i> Phytochelatin Synthase Gene: Alternative Splicing and Function of Four Isoforms. <i>International Journal of Molecular Sciences</i> , 2009, 10, 3269-3282.	1.8	13
57	Culture of <i>Escherichia coli</i> in SOC medium improves the cloning efficiency of toxic protein genes. <i>Analytical Biochemistry</i> , 2009, 394, 144-146.	1.1	12
58	Identification and differential expression of two dehydrin cDNAs during maturation of <i>Jatropha curcas</i> seeds. <i>Biochemistry (Moscow)</i> , 2013, 78, 485-495.	0.7	11
59	Transcriptome analysis of two inflorescence branching mutants reveals cytokinin is an important regulator in controlling inflorescence architecture in the woody plant <i>Jatropha curcas</i> . <i>BMC Plant Biology</i> , 2019, 19, 468.	1.6	11
60	Overexpression of Type 1 and 2 Diacylglycerol Acyltransferase Genes (<i>JcDGAT1</i> and <i>JcDGAT2</i>) Enhances Oil Production in the Woody Perennial Biofuel Plant <i>Jatropha curcas</i> . <i>Plants</i> , 2021, 10, 699.	1.6	11
61	Selection and Validation of Reference Genes for qRT-PCR Analysis in the Oil-Rich Tuber Crop Tiger Nut (<i>Cyperus esculentus</i>) Based on Transcriptome Data. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2569.	1.8	10
62	Cloning and Characterization of an RNase-Related Protein Gene Preferentially Expressed in Rice Stems. <i>Bioscience, Biotechnology and Biochemistry</i> , 2006, 70, 1041-1045.	0.6	9
63	A 64 kDa sucrose binding protein is membrane-associated and tonoplast-localized in developing mung bean seeds. <i>Journal of Experimental Botany</i> , 2009, 60, 629-639.	2.4	9
64	Studies on the sensitivity of <i>Spirulina platensis</i> to antibiotics and herbicide: relationship with selectable markers for genetic transformation. <i>Bioresource Technology</i> , 1999, 70, 89-93.	4.8	8
65	Purification and characterization of native and recombinant SaPIN2a, a plant sieve element-localized proteinase inhibitor. <i>Plant Physiology and Biochemistry</i> , 2007, 45, 757-766.	2.8	8
66	First Report of Root and Basal Stem Rot in Sacha Inchi (<i>Plukenetia volubilis</i>) Caused by <i>Fusarium oxysporum</i> in China. <i>Plant Disease</i> , 2018, 102, 242-242.	0.7	8
67	Chloroplast-Like Organelles Were Found in Enucleate Sieve Elements of Transgenic Plants Overexpressing a Proteinase Inhibitor. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 2759-2765.	0.6	7
68	Isolation and characterization of the <i>Jatropha curcas</i> APETALA1 (<i>JcAP1</i>) promoter conferring preferential expression in inflorescence buds. <i>Planta</i> , 2016, 244, 467-478.	1.6	7
69	JCDB: a comprehensive knowledge base for <i>Jatropha curcas</i> , an emerging model for woody energy plants. <i>BMC Genomics</i> , 2019, 20, 958.	1.2	7
70	Silencing of the Ortholog of DEFECTIVE IN ANTER DEHISCENCE 1 Gene in the Woody Perennial <i>Jatropha curcas</i> Alters Flower and Fruit Development. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8923.	1.8	7
71	Effects of Mg ²⁺ on the growth and DNase activity of <i>Spirulina platensis</i> , a cyanobacterium. <i>Bioresource Technology</i> , 1999, 67, 287-290.	4.8	6
72	The complete chloroplast genome sequence of the biofuel plant Sacha Inchi, <i>Plukenetia volubilis</i> . <i>Mitochondrial DNA Part B: Resources</i> , 2018, 3, 328-329.	0.2	6

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73	Comparative transcriptome analysis of gynoeious and monoecious inflorescences reveals regulators involved in male flower development in the woody perennial plant <i>Jatropha curcas</i> . <i>Plant Reproduction</i> , 2020, 33, 191-204.	1.3	5
74	Genetic Transformation and Transgenics of <i>Jatropha curcas</i> , a Biofuel Plant. , 2019, , 79-93.		3
75	Physico-chemical parameters influencing DNase activity of the cyanobacterium <i>Spirulina platensis</i> . <i>Microbiological Research</i> , 2000, 155, 59-63.	2.5	2
76	The reversed terminator of octopine synthase gene on the <i>Agrobacterium</i> Ti plasmid has a weak promoter activity in prokaryotes. <i>Molecular Biology Reports</i> , 2010, 37, 2157-2162.	1.0	1
77	Fatty Acid Biosynthesis and Triacylglycerol Accumulation in the Biofuel Plant <i>Jatropha curcas</i> . , 2019, , 163-179.		1
78	First Report of Collar Rot in Purple Passion Fruit (<i>Passiflora edulis</i>) Caused by <i>Neocosmospora solani</i> in Yunnan Province, China. <i>Plant Disease</i> , 2021, 105, 3750.	0.7	1
79	Extended mining of the oil biosynthesis pathway in biofuel plant <i>Jatropha curcas</i> by combined analysis of transcriptome and gene interactome data. <i>BMC Bioinformatics</i> , 2021, 22, 409.	1.2	1
80	First Report of Powdery Mildew in <i>Jatropha curcas</i> Caused by <i>Erysiphe quercicola</i> in Yunnan Province, China. <i>Plant Disease</i> , 2019, 103, 2958.	0.7	1
81	An ortholog of the MADS-box gene <i>SEPALLATA3</i> regulates stamen development in the woody plant <i>Jatropha curcas</i> . <i>Planta</i> , 2022, 255, 111.	1.6	1
82	Characterization of the bark storage protein gene (<i>JcBSP</i>) family in the perennial woody plant <i>Jatropha curcas</i> and the function of <i>JcBSP1</i> in <i>Arabidopsis thaliana</i> . <i>PeerJ</i> , 2022, 10, e12938.	0.9	0