

Xiaodong Xu

List of Publications by Year in descending order

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36
papers

2,290
citations

331670

21
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

3122
citing authors

#	ARTICLE	IF	CITATIONS
1	OsBRI1 Activates BR Signaling by Preventing Binding between the TPR and Kinase Domains of OsBSK3 via Phosphorylation. <i>Plant Physiology</i> , 2016, 170, 1149-1161.	4.8	337
2	Systems approach identifies an organic nitrogen-responsive gene network that is regulated by the master clock control gene <i>CCA1</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4939-4944.	7.1	333
3	SKIP Is a Component of the Spliceosome Linking Alternative Splicing and the Circadian Clock in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2012, 24, 3278-3295.	6.6	198
4	LNK1 and LNK2 Are Transcriptional Coactivators in the <i>Arabidopsis</i> Circadian Oscillator. <i>Plant Cell</i> , 2014, 26, 2843-2857.	6.6	148
5	Imaging protein interactions with bioluminescence resonance energy transfer (BRET) in plant and mammalian cells and tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10264-10269.	7.1	130
6	The <i>Arabidopsis</i> repressor of light signaling, COP1, is regulated by nuclear exclusion: Mutational analysis by bioluminescence resonance energy transfer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6798-6802.	7.1	119
7	The Presence of a Heterotrimeric G Protein and Its Role in Signal Transduction of Extracellular Calmodulin in Pollen Germination and Tube Growth. <i>Plant Cell</i> , 1999, 11, 1351-1363.	6.6	115
8	Ubiquitin-Specific Proteases UBP12 and UBP13 Act in Circadian Clock and Photoperiodic Flowering Regulation in <i>Arabidopsis</i> . <i>Plant Physiology</i> , 2013, 162, 897-906.	4.8	101
9	Daily rhythms of phyto melatonin signaling modulate diurnal stomatal closure via regulating reactive oxygen species dynamics in <i>Arabidopsis</i> . <i>Journal of Pineal Research</i> , 2020, 68, e12640.	7.4	81
10	Distinct Light and Clock Modulation of Cytosolic Free Ca ²⁺ Oscillations and Rhythmic <i>CHLOROPHYLL A/B BINDING PROTEIN2</i> Promoter Activity in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2007, 19, 3474-3490.	6.6	77
11	A critical role of the soybean evening complex in the control of photoperiod sensitivity and adaptation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	75
12	A suite of tools and application notes for in vivo protein interaction assays using bioluminescence resonance energy transfer (BRET). <i>Plant Journal</i> , 2006, 48, 138-152.	5.7	71
13	Light and temperature-entrainable circadian clock in soybean development. <i>Plant, Cell and Environment</i> , 2020, 43, 637-648.	5.7	52
14	Transcription Factors FHY3 and FAR1 Regulate Light-Induced <i>CIRCADIAN CLOCK ASSOCIATED1</i> Gene Expression in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2020, 32, 1464-1478.	6.6	50
15	The Genetic Architecture of Ecophysiological and Circadian Traits in <i>Brassica rapa</i> . <i>Genetics</i> , 2011, 189, 375-390.	2.9	47
16	Heterotrimeric G α protein participation in <i>Arabidopsis</i> pollen germination through modulation of a plasma membrane hyperpolarization-activated Ca ²⁺ -permeable channel. <i>New Phytologist</i> , 2007, 176, 550-559.	7.3	46
17	<i>COR27</i> and <i>COR28</i> encode nighttime repressors integrating <i>Arabidopsis</i> circadian clock and cold response. <i>Journal of Integrative Plant Biology</i> , 2017, 59, 78-85.	8.5	39
18	BBX19 fine-tunes the circadian rhythm by interacting with PSEUDO-RESPONSE REGULATOR proteins to facilitate their repressive effect on morning-phased clock genes. <i>Plant Cell</i> , 2021, 33, 2602-2617.	6.6	38

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19	Robust Circadian Rhythms of Gene Expression in <i>Brassica rapa</i> Tissue Culture. <i>Plant Physiology</i> , 2010, 153, 841-850.	4.8	30
20	Bioluminescence Resonance Energy Transfer (BRET) Imaging in Plant Seedlings and Mammalian Cells. <i>Methods in Molecular Biology</i> , 2011, 680, 3-28.	0.9	28
21	The nodulation and nyctinastic leaf movement is orchestrated by clock gene LHY in <i>Medicago truncatula</i> . <i>Journal of Integrative Plant Biology</i> , 2020, 62, 1880-1895.	8.5	26
22	Circadian clock in plants: Linking timing to fitness. <i>Journal of Integrative Plant Biology</i> , 2022, 64, 792-811.	8.5	26
23	GmLCLs negatively regulate ABA perception and signalling genes in soybean leaf dehydration response. <i>Plant, Cell and Environment</i> , 2021, 44, 412-424.	5.7	22
24	The circadian clock ticks in plant stress responses. <i>Stress Biology</i> , 2022, 2, 1.	3.1	20
25	LNK1 and LNK2 recruitment to the evening element require morning expressed circadian related MYB-like transcription factors. <i>Plant Signaling and Behavior</i> , 2015, 10, e1010888.	2.4	17
26	Molecular investigation of organ-autonomous expression of Arabidopsis circadian oscillators. <i>Plant, Cell and Environment</i> , 2020, 43, 1501-1512.	5.7	15
27	Comment on "The Arabidopsis Circadian Clock Incorporates a cADPR-Based Feedback Loop". <i>Science</i> , 2009, 326, 230-230.	12.6	12
28	Recognition of CCA1 alternative protein isoforms during temperature acclimation. <i>Plant Cell Reports</i> , 2021, 40, 421-432.	5.6	10
29	PRR9 and PRR7 negatively regulate the expression of EC components under warm temperature in roots. <i>Plant Signaling and Behavior</i> , 2021, 16, 1855384.	2.4	8
30	Are there multiple circadian clocks in plants?. <i>Plant Signaling and Behavior</i> , 2008, 3, 342-344.	2.4	7
31	Effects of extracellular calmodulin on pollen germination and tube growth. <i>Science Bulletin</i> , 1998, 43, 143-146.	1.7	5
32	XAP5 CIRCADIAN TIMEKEEPER specifically modulates 3' splice site recognition and is important for circadian clock regulation partly by alternative splicing of LHY and TIC. <i>Plant Physiology and Biochemistry</i> , 2022, 172, 151-157.	5.8	4
33	Circadian Rhythm: Phase Response Curve and Light Entrainment. <i>Methods in Molecular Biology</i> , 2022, 2398, 1-13.	0.9	2
34	Measurement of Luciferase Rhythms in Soybean Hairy Roots. <i>Methods in Molecular Biology</i> , 2022, 2398, 65-73.	0.9	1
35	Activation effect of extracellular calmodulin on heterotrimeric G protein in pollen plasma membrane. <i>Science Bulletin</i> , 1999, 44, 190-191.	1.7	0
36	Firefly Luciferase Complementation-Based Analysis of Dynamic Protein-Protein Interactions Under Diurnal and Circadian Conditions in Arabidopsis. <i>Methods in Molecular Biology</i> , 2022, 2398, 205-213.	0.9	0