

Dong-Hwan Kim

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,560
citations

567281

15
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

1853
citing authors

#	ARTICLE	IF	CITATIONS
1	Vernalization: Winter and the Timing of Flowering in Plants. <i>Annual Review of Cell and Developmental Biology</i> , 2009, 25, 277-299.	9.4	507
2	Vernalization-Triggered Intragenic Chromatin Loop Formation by Long Noncoding RNAs. <i>Developmental Cell</i> , 2017, 40, 302-312.e4.	7.0	249
3	Coordination of the Vernalization Response through a <i>VIN3</i> and <i>FLC</i> Gene Family Regulatory Network in <i>Arabidopsis</i> . <i>Plant Cell</i> , 2013, 25, 454-469.	6.6	133
4	Modular function of long noncoding RNA, COLDAIR, in the vernalization response. <i>PLoS Genetics</i> , 2017, 13, e1006939.	3.5	115
5	Genetic and Epigenetic Mechanisms Underlying Vernalization. <i>The Arabidopsis Book</i> , 2014, 12, e0171.	0.5	70
6	The Plant Homeo Domain finger protein, VIN3-LIKE 2, is necessary for photoperiod-mediated epigenetic regulation of the floral repressor, MAF5. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 17029-17034.	7.1	63
7	The catalytic subunit of <i>Arabidopsis</i> DNA polymerase β ensures stable maintenance of histone modification. <i>Development (Cambridge)</i> , 2013, 140, 156-166.	2.5	59
8	Environmentally coordinated epigenetic silencing of FLC by protein and long noncoding RNA components. <i>Current Opinion in Plant Biology</i> , 2012, 15, 51-56.	7.1	49
9	Vernalization-Mediated <i>VIN3</i> Induction Overcomes the LIKE-HETEROCHROMATIN PROTEIN1/POLYCOMB REPRESSION COMPLEX2-Mediated Epigenetic Repression. <i>Plant Physiology</i> , 2010, 154, 949-957.	4.8	48
10	NO FLOWERING IN SHORT DAY (NFL) is a bHLH transcription factor that promotes flowering specifically under short-day in <i>Arabidopsis</i> . <i>Development (Cambridge)</i> , 2016, 143, 682-90.	2.5	35
11	Polycomb-Mediated Gene Silencing in <i>Arabidopsis thaliana</i> . <i>Molecules and Cells</i> , 2014, 37, 841-850.	2.6	33
12	Transcriptome and epigenome analyses of vernalization in <i>Arabidopsis thaliana</i> . <i>Plant Journal</i> , 2020, 103, 1490-1502.	5.7	29
13	Current understanding of flowering pathways in plants: focusing on the vernalization pathway in <i>Arabidopsis</i> and several vegetable crop plants. <i>Horticulture Environment and Biotechnology</i> , 2020, 61, 209-227.	2.1	27
14	The Binding Specificity of the PHD-Finger Domain of VIN3 Moderates Vernalization Response. <i>Plant Physiology</i> , 2017, 173, 1258-1268.	4.8	21
15	Spatio-temporal analysis of coding and long noncoding transcripts during maize endosperm development. <i>Scientific Reports</i> , 2017, 7, 3838.	3.3	19
16	Differential expression of major genes involved in the biosynthesis of aliphatic glucosinolates in intergeneric <i>Baemoochae</i> (Brassicaceae) and its parents during development. <i>Plant Molecular Biology</i> , 2020, 102, 171-184.	3.9	19
17	Mechanisms underlying vernalization-mediated <i>VIN3</i> induction in <i>Arabidopsis</i> . <i>Plant Signaling and Behavior</i> , 2010, 5, 1457-1459.	2.4	17
18	Transcriptome analysis revealed that jasmonic acid biosynthesis/signaling is involved in plant response to Strontium stress. <i>Ecotoxicology and Environmental Safety</i> , 2022, 237, 113552.	6.0	10

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19	Role of <i>VIN3-LIKE 2</i> in facultative photoperiodic flowering response in Arabidopsis. <i>Plant Signaling and Behavior</i> , 2010, 5, 1672-1673.	2.4	8
20	Accelerated vernalization response by an altered PHD-finger protein in Arabidopsis. <i>Plant Signaling and Behavior</i> , 2017, 12, e1308619.	2.4	8
21	Isolation of putative pepper defense-related genes against the pathogen <i>Phytophthora capsici</i> using suppression subtractive hybridization/microarray and RNA-sequencing analyses. <i>Horticulture Environment and Biotechnology</i> , 2019, 60, 685-699.	2.1	8
22	Transcriptomic and metabolic analyses revealed the modulatory effect of vernalization on glucosinolate metabolism in radish (<i>Raphanus sativus</i> L.). <i>Scientific Reports</i> , 2021, 11, 24023.	3.3	7
23	DEK domain-containing proteins control flowering time in Arabidopsis. <i>New Phytologist</i> , 2021, 231, 182-192.	7.3	6
24	The BrGI Circadian Clock Gene Is Involved in the Regulation of Glucosinolates in Chinese Cabbage. <i>Genes</i> , 2021, 12, 1664.	2.4	4
25	An efficient <i>Agrobacterium tumefaciens</i> -mediated transformation of apical meristem in radish (<i>Raphanus sativus</i> L.) using a needle perforation. <i>Plant Cell, Tissue and Organ Culture</i> , 2022, 148, 305-318.	2.3	4
26	A premature stop codon in BrFLC2 transcript results in early flowering in oilseed-type <i>Brassica rapa</i> plants. <i>Plant Molecular Biology</i> , 2022, 108, 241-255.	3.9	4
27	<i>ABI3</i> and <i>PIF1</i> -mediated regulation of <i>GIG1</i> enhances seed germination by detoxification of methylglyoxal in Arabidopsis. <i>Plant Journal</i> , 2022, , .	5.7	4
28	Vernalization Regulates Flowering Genes and Modulates Glucosinolates Biosynthesis in Chinese Cabbage. <i>Journal of Plant Biology</i> , 2022, 65, 157.	2.1	3
29	Epigenetic repression and resetting of a floral repressor, FLC, in the life cycle of winter-annual Arabidopsis. <i>Plant Biotechnology Reports</i> , 2022, 16, 133.	1.5	0