Kalika Prasad

List of Publications by Year
in descending order

40 papers	3,000 citations	279798 23 h-index	289244 40 g-index
46 all docs	46 docs citations	46 times ranked	3338 citing authors

#	Article	IF	Citations
1	PLETHORA gradient formation mechanism separates auxin responses. Nature, 2014, 515, 125-129.	27.8	329
2	PLETHORA Genes Control Regeneration by a Two-Step Mechanism. Current Biology, 2015, 25, 1017-1030.	3.9	240
3	Generation of cell polarity in plants links endocytosis, auxin distribution and cell fate decisions. Nature, 2008, 456, 962-966.	27.8	228
4	Plasma membrane-bound AGC3 kinases phosphorylate PIN auxin carriers at TPRXS(N/S) motifs to direct apical PIN recycling. Development (Cambridge), 2010, 137, 3245-3255.	2.5	201
5	Distinct regulatory role for <i>RFL</i> , the rice <i>LFY</i> homolog, in determining flowering time and plant architecture. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3646-3651.	7.1	198
6	OsMADS1, a rice MADS-box factor, controls differentiation of specific cell types in the lemma and palea and is an early-acting regulator of inner floral organs. Plant Journal, 2005, 43, 915-928.	5.7	178
7	Local auxin biosynthesis regulation by PLETHORA transcription factors controls phyllotaxis in <i>Arabidopsis</i>. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1107-1112.	7.1	146
8	Ectopic expression of rice OsMADS1 reveals a role in specifying the lemma and palea, grass floral organs analogous to sepals. Development Genes and Evolution, 2001, 211, 281-290.	0.9	140
9	The PLETHORA Gene Regulatory Network Guides Growth and Cell Differentiation in Arabidopsis Roots. Plant Cell, 2016, 28, 2937-2951.	6.6	127
10	Arabidopsis PLETHORA Transcription Factors Control Phyllotaxis. Current Biology, 2011, 21, 1123-1128.	3.9	124
11	MultiSite Gateway-Compatible Cell Type-Specific Gene-Inducible System for Plants. Plant Physiology, 2016, 170, 627-641.	4.8	119
12	Phyllotaxis and Rhizotaxis in Arabidopsis Are Modified by Three PLETHORA Transcription Factors. Current Biology, 2013, 23, 956-962.	3.9	105
13	The WOX11â€“LBD16 Pathway Promotes Pluripotency Acquisition in Callus Cells During De Novo Shoot Regeneration in Tissue Culture. Plant and Cell Physiology, 2018, 59, 739-748.	3.1	99
14	Double-Stranded RNA Interference of a Rice <i>PI</i>/<i>GLO</i> Paralog, <i>OsMADS2</i>, Uncovers Its Second-Whorl-Specific Function in Floral Organ Patterning. Genetics, 2003, 165, 2301-2305.	2.9	83
15	Divergent Regulatory OsMADS2 Functions Control Size, Shape and Differentiation of the Highly Derived Rice Floret Second-Whorl Organ. Genetics, 2007, 176, 283-294.	2.9	72
16	Competence and regulatory interactions during regeneration in plants. Frontiers in Plant Science, 2014, 5, 142.	3.6	72
17	The Arabidopsis B-sister MADS-box protein, GORDITA, represses fruit growth and contributes to integument development. Plant Journal, 2010, 62, 203-214.	5.7	62
18	Shoot regeneration: a journey from acquisition of competence to completion. Current Opinion in Plant Biology, 2018, 41, 23-31.	7.1	61

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19	De novo assembly of plant body plan: a step ahead of Deadpool. Regeneration (Oxford, England), 2016, 3, 182-197.	6.3	55
20	A conserved function for Arabidopsis SUPERMAN in regulating floral-whorl cell proliferation in rice, a monocotyledonous plant. Current Biology, 2000, 10, 215-218.	3.9	51
21	Gradient Expression of Transcription Factor Imposes a Boundary on Organ Regeneration Potential in Plants. Cell Reports, 2019, 29, 453-463.e3.	6.4	33
22	Mechanism underlying regulated expression of RFL, a conserved transcription factor, in the developing rice inflorescence. Mechanisms of Development, 2003, 120, 491-502.	1.7	28
23	A coherent feed forward loop drives vascular regeneration in damaged aerial organs growing in normal developmental-context. Development (Cambridge), 2020, 147, .	2.5	24
24	Protocol: a method to study the direct reprogramming of lateral root primordia to fertile shoots. Plant Methods, 2016, 12, 27.	4.3	22
25	Fungal Production and Manipulation of Plant Hormones. Current Medicinal Chemistry, 2018, 25, 253-267.	2.4	21
26	PtWOX11 acts as master regulator conducting the expression of key transcription factors to induce de novo shoot organogenesis in poplar. Plant Molecular Biology, 2018, 98, 389-406.	3.9	21
27	Genome-Wide Transcript Profiling Reveals an Auxin-Responsive Transcription Factor, OsAP2/ERF-40, Promoting Rice Adventitious Root Development. Plant and Cell Physiology, 2019, 60, 2343-2355.	3.1	21
28	Model systems for regeneration:<i>Arabidopsis</i>. Development (Cambridge), 2021, 148, .	2.5	20
29	Shaping up the fruit. Plant Signaling and Behavior, 2010, 5, 899-902.	2.4	15
30	Polar Auxin Transport: Cell Polarity to Patterning. Signaling and Communication in Plants, 2013, , 25-44.	0.7	10
31	Species-specific function of conserved regulators in orchestrating rice root architecture. Development (Cambridge), 2022, , .	2.5	10
32	Regrowing the damaged or lost body parts. Current Opinion in Plant Biology, 2020, 53, 117-127.	7.1	9
33	Regulation of touch-stimulated de novo root regeneration from Arabidopsis leaves. Plant Physiology, 2021, 187, 52-58.	4.8	6
34	Intermediate Developmental Phases During Regeneration. Plant and Cell Physiology, 2018, 59, 707-712.	3.1	3
35	A mathematical basis for plant patterning derived from physicoâ€chemical phenomena. BioEssays, 2013, 35, 366-376.	2.5	2
36	The making of a bushy grass with a branched flowering stem. Plant Signaling and Behavior, 2008, 3, 981-983.	2.4	1

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37	Age, Wound Size and Position of Injury â€“ Dependent Vascular Regeneration Assay in Growing Leaves. Bio-protocol, 2021, 11, e4010.	0.4	1
38	Gradient Expression of Transcription Factor Imposes a Boundary on Organ Regenerative Potential in Plant. SSRN Electronic Journal, 0, , .	0.4	1
39	Insights into the art of recreation. Developmental Biology, 2018, 442, 1-2.	2.0	0
40	A Functionally Conserved Regulatory Module Confers Universal Regeneration Potential to Plant Tissues in Response to Injury. SSRN Electronic Journal, 0, , .	0.4	0