Raymond E Zielinski

List of Publications by Year
in descending order

37	2,005	304743	361022
papers	citations	22 h-index	35 g-index

38	38	38	1887
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	tâ€šSNAREs bind the Rhg1 Î±â€šSNAP and mediate soybean cyst nematode resistance. Plant Journal, 2020, 104, 318-331.	5.7	24
2	Revisiting paradigms of Ca2+ signaling protein kinase regulation in plants. Biochemical Journal, 2018, 475, 207-223.	3.7	61
3	Autophosphorylation-based Calcium (Ca2+) Sensitivity Priming and Ca2+/Calmodulin Inhibition of Arabidopsis thaliana Ca2+-dependent Protein Kinase 28 (CPK28). Journal of Biological Chemistry, 2017, 292, 3988-4002.	3.4	48
4	Regulation of the Arabidopsis thaliana Ca2+â€dependent protein kinase, CPK28, by autophosphorylation and Calmodulinâ€binding. FASEB Journal, 2017, 31, 772.13.	0.5	0
5	The Plastid Casein Kinase 2 Phosphorylates Rubisco Activase at the Thr-78 Site but Is Not Essential for Regulation of Rubisco Activation State. Frontiers in Plant Science, 2016, 7, 404.	3.6	15
6	The role of invertases in plant compensatory responses to simulated herbivory. BMC Plant Biology, 2015, 15, 278.	3.6	11
7	Functional analysis of the BRI1 receptor kinase by Thr-for-Ser substitution in a regulatory autophosphorylation site. Frontiers in Plant Science, 2015, 6, 562.	3.6	10
8	Glutaredoxin AtGRXC2 catalyses inhibitory glutathionylation of Arabidopsis BRI1-associated receptor-like kinase 1 (BAK1) inÂvitro. Biochemical Journal, 2015, 467, 399-413.	3.7	37
9	Calcium/calmodulin inhibition of the Arabidopsis BRASSINOSTEROID-INSENSITIVE 1 receptor kinase provides a possible link between calcium and brassinosteroid signalling. Biochemical Journal, 2012, 443, 515-523.	3.7	66
10	CDPKs are dualâ€specificity protein kinases and tyrosine autophosphorylation attenuates kinase activity. FEBS Letters, 2012, 586, 4070-4075.	2.8	34
11	Enhancing Arabidopsis Leaf Growth by Engineering the BRASSINOSTEROID INSENSITIVE1 Receptor Kinase Â Â Â. Plant Physiology, 2011, 157, 120-131.	4.8	76
12	Spatial association of photosynthesis and chemical defense in Arabidopsis thaliana following herbivory by Trichoplusia ni. Physiologia Plantarum, 2009, 137, 115-124.	5.2	14
13	The differential effects of herbivory by first and fourth instars of Trichoplusia ni (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 527-536.	4.8	96
14	Expression of plant cyclic nucleotide-gated cation channels in yeast. Journal of Experimental Botany, 2006, 57, 125-138.	4.8	82
15	Functional interaction of calmodulin with a plant cyclic nucleotide gated cation channel. Plant Physiology and Biochemistry, 2003, 41, 945-954.	5.8	79
16	DRL1, a Homolog of the Yeast TOT4/KTI12 Protein, Has a Function in Meristem Activity and Organ Growth in Plants. Plant Cell, 2003, 15, 639-654.	6.6	84
17	Preparation of Recombinant Plant Calmodulin Isoforms. , 2002, 172, 143-149.		13
18	Characterization of three new members of the Arabidopsis thaliana calmodulin gene family: conserved and highly diverged members of the gene family functionally complement a yeast calmodulin null. Planta, 2002, 214, 446-455.	3.2	81

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19	Isolation of cDNA and genomic DNA clones encoding a calmodulin-binding protein related to a family of ATPases involved in cell division and vesicle fusion. Planta, 2001, 212, 774-781.	3.2	11
20	Interaction of a Kinesin-like Protein with Calmodulin Isoforms from Arabidopsis. Journal of Biological Chemistry, 1999, 274, 31727-31733.	3.4	59
21	CALMODULIN AND CALMODULIN-BINDING PROTEINS IN PLANTS. Annual Review of Plant Biology, 1998, 49, 697-725.	14.3	429
22	The contribution of drought-related decreases in foliar nitrogen concentration to decreases in photosynthetic capacity during and after drought in prairie grasses. Physiologia Plantarum, 1997, 101, 173-182.	5.2	71
23	The contribution of drought-related decreases in foliar nitrogen concentration to decreases in photosynthetic capacity during and after drought in prairie grasses. Physiologia Plantarum, 1997, 101, 173-182.	5.2	13
24	Differential Stimulation of NAD Kinase and Binding of Peptide Substrates by Wild-Type and Mutant Plant Calmodulin Isoforms. Archives of Biochemistry and Biophysics, 1996, 327, 53-60.	3.0	65
25	Calmodulin Isoforms Differentially Enhance the Binding of Cauliflower Nuclear Proteins and Recombinant TGA3 to a Region Derived from the Arabidopsis Cam-3 Promoter. Plant Cell, 1996, 8, 1069.	6.6	17
26	Chapter 34 Production of Recombinant Plant Calmodulin and Its Use to Detect Calmodulin-Binding Proteins. Methods in Cell Biology, 1995, 49, 487-500.	1.1	21
27	Isolation of an Arabidopsis cDNA sequence encoding a 22 kDa calcium-binding protein (CaBP-22) related to calmodulin. Plant Molecular Biology, 1993, 22, 207-214.	3.9	36
28	Calmodulin isoforms in Arabidopsis encoded by multiple divergent mRNAs. Plant Molecular Biology, 1993, 22, 215-225.	3.9	72
29	Synthesis and Accumulation of Calmodulin in Suspension Cultures of Carrot (Daucus carota L.). Plant Physiology, 1992, 100, 812-819.	4.8	22
30	Structure and expression of the Arabidopsis CaM-3 calmodulin gene. Plant Molecular Biology, 1992, 19, 649-664.	3.9	80
31	Primary Structures of Arabidopsis Calmodulin Isoforms Deduced from the Sequences of cDNA Clones. Plant Physiology, 1991, 96, 1196-1202.	4.8	97
32	Effect of Ca2+ and Calmodulin on Î”pH Formation in Tonoplast Vesicles from Corn Roots. Plant Physiology, 1990, 92, 850-854.	4.8	6
33	Expression of Maturationâ€Specific Genes in Soybean Seeds. Crop Science, 1990, 30, 1343-1350.	1.8	8
34	Protein Kinase Activities in Tonoplast and Plasmalemma Membranes from Corn Roots. Plant Physiology, 1989, 89, 151-158.	4.8	20
35	Coordinate Expression of Rubisco Activase and Rubisco during Barley Leaf Cell Development. Plant Physiology, 1989, 90, 516-521.	4.8	51
36	Cloning of cDNA Sequences Encoding the Calcium-Binding Protein, Calmodulin, from Barley (Hordeum vulgare L.). Plant Physiology, 1989, 90, 714-719.	4.8	65

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37	Calmodulin mRNA in Barley (Hordeum vulgare L.). Plant Physiology, 1987, 84, 937-943.	4.8	31