

Kyle W Bender

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

1,147
citations

623734

14
h-index

839539

18
g-index

26
all docs

26
docs citations

26
times ranked

1473
citing authors

#	ARTICLE	IF	CITATIONS
1	Breaking the code: Ca ²⁺ sensors in plant signalling. <i>Biochemical Journal</i> , 2010, 425, 27-40.	3.7	433
2	Mutation of the Arabidopsis Calmodulin-Like Protein CML37 Deregulates the Jasmonate Pathway and Enhances Susceptibility to Herbivory. <i>Molecular Plant</i> , 2014, 7, 1712-1726.	8.3	119
3	Calmodulin-Related Proteins Step Out from the Shadow of Their Namesake. <i>Plant Physiology</i> , 2013, 163, 486-495.	4.8	104
4	Revisiting paradigms of Ca ²⁺ signaling protein kinase regulation in plants. <i>Biochemical Journal</i> , 2018, 475, 207-223.	3.7	61
5	The Arabidopsis calmodulin-like protein, CML39, functions during early seedling establishment. <i>Plant Journal</i> , 2013, 76, 634-647.	5.7	48
6	Autophosphorylation-based Calcium (Ca ²⁺) Sensitivity Priming and Ca ²⁺ /Calmodulin Inhibition of Arabidopsis thaliana Ca ²⁺ -dependent Protein Kinase 28 (CPK28). <i>Journal of Biological Chemistry</i> , 2017, 292, 3988-4002.	3.4	48
7	Allosteric Control of a Plant Receptor Kinase through S-Glutathionylation. <i>Biophysical Journal</i> , 2017, 113, 2354-2363.	0.5	47
8	The calmodulin-like protein CML43 functions as a salicylic-acid-inducible root-specific Ca ²⁺ sensor in Arabidopsis. <i>Biochemical Journal</i> , 2014, 457, 127-136.	3.7	46
9	Molecular dynamics simulations reveal the conformational dynamics of Arabidopsis thaliana BRI1 and BAK1 receptor-like kinases. <i>Journal of Biological Chemistry</i> , 2017, 292, 12643-12652.	3.4	45
10	Phosphorylation-dependent subfunctionalization of the calcium-dependent protein kinase CPK28. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	39
11	Glutaredoxin AtGRXC2 catalyses inhibitory glutathionylation of Arabidopsis BRI1-associated receptor-like kinase 1 (BAK1) in vitro. <i>Biochemical Journal</i> , 2015, 467, 399-413.	3.7	37
12	Endocytosis of BRASSINOSTEROID INSENSITIVE1 Is Partly Driven by a Canonical Tyr-Based Motif. <i>Plant Cell</i> , 2020, 32, 3598-3612.	6.6	30
13	Characterization of Peptidyl-Prolyl Cis-Trans Isomerase- and Calmodulin-Binding Activity of a Cytosolic Arabidopsis thaliana Cyclophilin AtCyp19-3. <i>PLoS ONE</i> , 2015, 10, e0136692.	2.5	28
14	The Plastid Casein Kinase 2 Phosphorylates Rubisco Activase at the Thr-78 Site but Is Not Essential for Regulation of Rubisco Activation State. <i>Frontiers in Plant Science</i> , 2016, 7, 404.	3.6	15
15	Plant G-protein activation: connecting to plant receptor kinases. <i>Cell Research</i> , 2018, 28, 697-698.	12.0	12
16	Activation loop phosphorylation of a non-RD receptor kinase initiates plant innate immune signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12
17	Importance of tyrosine phosphorylation for transmembrane signaling in plants. <i>Biochemical Journal</i> , 2021, 478, 2759-2774.	3.7	11
18	Functional analysis of the BRI1 receptor kinase by Thr-for-Ser substitution in a regulatory autophosphorylation site. <i>Frontiers in Plant Science</i> , 2015, 6, 562.	3.6	10

#	ARTICLE	IF	CITATIONS
19	Regulation of the Arabidopsis thaliana Ca ²⁺ -dependent protein kinase, CPK28, by autophosphorylation and Calmodulin-binding. FASEB Journal, 2017, 31, 772.13.	0.5	0