Benedikt Kost

List of Publications by Year
in descending order

38	3,981	236833 25	330025 37
papers	citations	h-index	g-index

38	38	38	3230
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantitative Structural Organization of Bulk Apical Membrane Traffic in Pollen Tubes. Plant Physiology, 2020, 183, 1559-1585.	2.3	14
2	Durotropic Growth of Pollen Tubes. Plant Physiology, 2020, 183, 558-569.	2.3	25
3	Testing Pollen Tube Proteins for In Vivo Binding to Phosphatidic Acid by n-Butanol Treatment and Confocal Microscopy. Methods in Molecular Biology, 2020, 2160, 307-325.	0.4	0
4	Analysis of the Localization of Fluorescent PpROP1 and PpROP-GEF4 Fusion Proteins in Moss Protonemata Based on Genomic â€œKnock-Inâ€•and Estradiol-Titratable Expression. Frontiers in Plant Science, 2019, 10, 456.	1.7	13
5	Secretion and Endocytosis in Pollen Tubes: Models of Tip Growth in the Spot Light. Frontiers in Plant Science, 2017, 8, 154.	1.7	65
6	TETRASPANINs in Plants. Frontiers in Plant Science, 2017, 8, 545.	1.7	31
7	Direct Comparison of the Performance of Commonly Employed In Vivo F-actin Markers (Lifeact-YFP,) Tj ETQq1 1 0.784314 rgBT /Overlo	1.7	15
8	Transcriptome profiling of tobacco (Nicotiana tabacum) pollen and pollen tubes. BMC Genomics, 2017, 18, 581.	1.2	24
9	<i>In vivo</i> Rac/Rop localization as well as interaction with Rho<scp>GAP</scp> and Rho<scp>GDI</scp> in tobacco pollen tubes: analysis by lowâ€level expression of fluorescent fusion proteins and bimolecular fluorescence complementation. Plant Journal, 2015, 84, 83-98.	2.8	20
10	RISAP Is a TGN-Associated RAC5 Effector Regulating Membrane Traffic during Polar Cell Growth in Tobacco Â. Plant Cell, 2014, 26, 4426-4447.	3.1	54
11	Liveâ€cell imaging of phosphatidic acid dynamics in pollen tubes visualized by <scp>S</scp>po20pâ€derived biosensor. New Phytologist, 2014, 203, 483-494.	3.5	80
12	Evaluation of Reference Genes for RT qPCR Analyses of Structure-Specific and Hormone Regulated Gene Expression in Physcomitrella patens Gametophytes. PLoS ONE, 2013, 8, e70998.	1.1	68
13	NADPH oxidase activity in pollen tubes is affected by calcium ions, signaling phospholipids and Rac/Rop GTPases. Journal of Plant Physiology, 2012, 169, 1654-1663.	1.6	106
14	Structural characterization, solution stability, and potential health and environmental effects of the Nano-TiO2 bioencapsulation matrix and the model product of its biodegradation TiBALDH. RSC Advances, 2012, 2, 4228.	1.7	21
15	Physcomitrella patens: a model to investigate the role of RAC/ROP GTPase signalling in tip growth. Journal of Experimental Botany, 2010, 61, 1917-1937.	2.4	57
16	Regulatory and Cellular Functions of Plant RhoGAPs and RhoGDIs. Signaling and Communication in Plants, 2010, , 27-48.	0.5	5
17	Pollen Tube Development. Methods in Molecular Biology, 2010, 655, 155-176.	0.4	15
18	Elaborate spatial patterning of cellâ€wall PME and PMEI at the pollen tube tip involves PMEI endocytosis, and reflects the distribution of esterified and deâ€esterified pectins. Plant Journal, 2008, 53, 133-143.	2.8	213

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19	Spatial control of Rho (Rac-Rop) signaling in tip-growing plant cells. Trends in Cell Biology, 2008, 18, 119-127.	3.6	182
20	<i>Arabidopsis</i>Phosphatidylinositol-4-Monophosphate 5-Kinase 4 Regulates Pollen Tube Growth and Polarity by Modulating Membrane Recycling. Plant Cell, 2008, 20, 3050-3064.	3.1	137
21	Regulation of Membrane Trafficking, Cytoskeleton Dynamics, and Cell Polarity by ROP/RAC GTPases Â. Plant Physiology, 2008, 147, 1527-1543.	2.3	147
22	Pollen Tube Tip Growth Depends on Plasma Membrane Polarization Mediated by Tobacco PLC3 Activity and Endocytic Membrane Recycling. Plant Cell, 2007, 18, 3519-3534.	3.1	216
23	Nt-RhoGDI2 regulates Rac/Rop signaling and polar cell growth in tobacco pollen tubes. Plant Journal, 2006, 46, 1018-1031.	2.8	138
24	Tobacco RhoGTPase ACTIVATING PROTEIN1 Spatially Restricts Signaling of RAC/Rop to the Apex of Pollen Tubes. Plant Cell, 2006, 18, 3033-3046.	3.1	133
25	Preferential and Asymmetrical Accumulation of a Rac Small GTPase mRNA in Differentiating Xylem Cells of Zinnia elegans. Plant and Cell Physiology, 2002, 43, 1484-1492.	1.5	36
26	Cytoskeleton and plant organogenesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 777-789.	1.8	24
27	The Plant Cytoskeleton. Cell, 2002, 108, 9-12.	13.5	65
28	ADF Proteins Are Involved in the Control of Flowering and Regulate F-Actin Organization, Cell Expansion, and Organ Growth in Arabidopsis. Plant Cell, 2001, 13, 1333-1346.	3.1	184
29	Reduced expression of Î±-tubulin genes in Arabidopsis thaliana specifically affects root growth and morphology, root hair development and root gravitropism. Plant Journal, 2001, 28, 145-157.	2.8	109
30	Molecular identification and characterization of the Arabidopsis AtADF1, AtADFS and AtADF6 genes. Plant Molecular Biology, 2001, 45, 517-527.	2.0	71
31	KORRIGAN, an Arabidopsis Endo-1,4-Î²-Glucanase, Localizes to the Cell Plate by Polarized Targeting and Is Essential for Cytokinesis. Plant Cell, 2000, 12, 1137-1152.	3.1	258
32	Villin-Like Actin-Binding Proteins Are Expressed Ubiquitously in Arabidopsis. Plant Physiology, 2000, 122, 35-48.	2.3	111
33	Rac Homologues and Compartmentalized Phosphatidylinositol 4, 5-Bisphosphate Act in a Common Pathway to Regulate Polar Pollen Tube Growth. Journal of Cell Biology, 1999, 145, 317-330.	2.3	542
34	Cytoskeleton in plant development. Current Opinion in Plant Biology, 1999, 2, 462-470.	3.5	139
35	A GFP-mouse talin fusion protein labels plant actin filamentsin vivoand visualizes the actin cytoskeleton in growing pollen tubes. Plant Journal, 1998, 16, 393-401.	2.8	601
36	Transient marker-gene expression during zygotic in-vitro embryogenesis of Brassica juncea (Indian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	7

#	Article	IF	Citations
37	Non-destructive detection of firefly luciferase (LUC) activity in single plant cells using a cooled, slow-scan CCD camera and an optimized assay. Plant Journal, 1995, 8, 155-166.	2.8	39
38	High efficiency transient and stable transformation by optimized DNA microinjection intoNicotiana tabacumprotoplasts. Journal of Experimental Botany, 1995, 46, 1157-1167.	2.4	16