

Tobias I Baskin

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

2,793
citations

471509

17
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

3131
citing authors

#	ARTICLE	IF	CITATIONS
1	Oxygen uptake rates have contrasting responses to temperature in the root meristem and elongation zone. <i>Physiologia Plantarum</i> , 2022, 174, e13682.	5.2	2
2	Positioning the Root Elongation Zone Is Saltatory and Receives Input from the Shoot. <i>IScience</i> , 2020, 23, 101309.	4.1	4
3	Rtip: A Fully Automated Root Tip Tracker For Measuring Plant Growth With Intermittent Perturbations. , 2020, 2020, 2516-2520.		0
4	Kinematic Characterization of Root Growth by Means of Stripflow. <i>Methods in Molecular Biology</i> , 2019, 1992, 291-305.	0.9	5
5	Construction of a Functional Casparian Strip in Non-endodermal Lineages Is Orchestrated by Two Parallel Signaling Systems in <i>Arabidopsis thaliana</i> . <i>Current Biology</i> , 2018, 28, 2777-2786.e2.	3.9	45
6	Root hydrotropism is controlled via a cortex-specific growth mechanism. <i>Nature Plants</i> , 2017, 3, 17057.	9.3	183
7	Plant cell growth: Cellulose caught slipping. <i>Nature Plants</i> , 2017, 3, 17063.	9.3	1
8	Imaging cellulose synthase motility during primary cell wall synthesis in the grass <i>Brachypodium distachyon</i> . <i>Scientific Reports</i> , 2017, 7, 15111.	3.3	13
9	Temperature-compensated cell production rate and elongation zone length in the root of <i>Arabidopsis thaliana</i> . <i>Plant, Cell and Environment</i> , 2017, 40, 264-276.	5.7	57
10	Auxin inhibits expansion rate independently of cortical microtubules. <i>Trends in Plant Science</i> , 2015, 20, 471-472.	8.8	19
11	The Fragile Fiber1 Kinesin Contributes to Cortical Microtubule-Mediated Trafficking of Cell Wall Components. <i>Plant Physiology</i> , 2015, 167, 780-792.	4.8	104
12	The carrier AUXIN RESISTANT (AUX1) dominates auxin flux into <i>Arabidopsis</i> protoplasts. <i>New Phytologist</i> , 2014, 204, 536-544.	7.3	35
13	Sample Preparation for Scanning Electron Microscopy: The Surprising Case of Freeze Drying from Tertiary Butanol. <i>Microscopy Today</i> , 2014, 22, 36-39.	0.3	11
14	On the role of stress anisotropy in the growth of stems. <i>Journal of Experimental Botany</i> , 2013, 64, 4697-4707.	4.8	65
15	Perturbation of <i>Brachypodium distachyon</i> CELLULOSE SYNTHASE A4or7 results in abnormal cell walls. <i>BMC Plant Biology</i> , 2013, 13, 131.	3.6	81
16	Patterns of root growth acclimation: constant processes, changing boundaries. <i>Wiley Interdisciplinary Reviews: Developmental Biology</i> , 2013, 2, 65-73.	5.9	42
17	Making parallel lines meet. <i>Cell Adhesion and Migration</i> , 2012, 6, 404-408.	2.7	22
18	Cytoskeleton Methods and Protocols, Second Edition. <i>Methods in Molecular Biology</i> , 586. Edited by Ray H. Gavin. Springer, New York, 2009, 490 pages. ISBN 978-1-60761-376-3 (hard cover). Available as an e-book, doi:10.1007/978-1-60761-376-3.. <i>Microscopy and Microanalysis</i> , 2011, 17, 309-310.	0.4	0

#	ARTICLE	IF	CITATIONS
19	Shootward and rootward: peak terminology for plant polarity. Trends in Plant Science, 2010, 15, 593-594.	8.8	39
20	Auxin, actin and growth of the Arabidopsis thaliana primary root. Plant Journal, 2007, 50, 514-528.	5.7	259
21	Tailor-made composite functions as tools in model choice: the case of sigmoidal vs bi-linear growth profiles. Plant Methods, 2006, 2, 11.	4.3	25
22	ANISOTROPIC EXPANSION OF THE PLANT CELL WALL. Annual Review of Cell and Developmental Biology, 2005, 21, 203-222.	9.4	482
23	A New Algorithm for Computational Image Analysis of Deformable Motion at High Spatial and Temporal Resolution Applied to Root Growth. Roughly Uniform Elongation in the Meristem and Also, after an Abrupt Acceleration, in the Elongation Zone. Plant Physiology, 2003, 132, 1138-1148.	4.8	172
24	On the alignment of cellulose microfibrils by cortical microtubules: A review and a model. Protoplasma, 2001, 215, 150-171.	2.1	376
25	On the constancy of cell division rate in the root meristem. , 2000, 43, 545-554.		60
26	STUNTED PLANT 1 Mediates Effects of Cytokinin, But Not of Auxin, on Cell Division and Expansion in the Root of Arabidopsis. Plant Physiology, 2000, 124, 1718-1727.	4.8	168
27	Analysis of Cell Division and Elongation Underlying the Developmental Acceleration of Root Growth in Arabidopsis thaliana1. Plant Physiology, 1998, 116, 1515-1526.	4.8	523