

Stefan Kircher

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

2,259
citations

567281

15
h-index

752698

20
g-index

21
all docs

21
docs citations

21
times ranked

2057
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoactivated Phytochrome Induces Rapid PIF3 Phosphorylation Prior to Proteasome-Mediated Degradation. <i>Molecular Cell</i> , 2006, 23, 439-446.	9.7	481
2	Constitutive Photomorphogenesis 1 and Multiple Photoreceptors Control Degradation of Phytochrome Interacting Factor 3, a Transcription Factor Required for Light Signaling in Arabidopsis. <i>Plant Cell</i> , 2004, 16, 1433-1445.	6.6	396
3	Light Quality-Dependent Nuclear Import of the Plant Photoreceptors Phytochrome A and B. <i>Plant Cell</i> , 1999, 11, 1445-1456.	6.6	338
4	Nucleocytoplasmic Partitioning of the Plant Photoreceptors Phytochrome A, B, C, D, and E Is Regulated Differentially by Light and Exhibits a Diurnal Rhythm. <i>Plant Cell</i> , 2002, 14, 1541-1555.	6.6	285
5	Photosynthetic sucrose acts as cotyledon-derived long-distance signal to control root growth during early seedling development in <i>Arabidopsis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11217-11221.	7.1	219
6	An Integrative Model for Phytochrome B Mediated Photomorphogenesis: From Protein Dynamics to Physiology. <i>PLoS ONE</i> , 2010, 5, e10721.	2.5	84
7	Molecular mechanisms for mediating light-dependent nucleo/cytoplasmic partitioning of phytochrome photoreceptors. <i>New Phytologist</i> , 2015, 206, 965-971.	7.3	83
8	Systematic analysis of how phytochrome B dimerization determines its specificity. <i>Nature Plants</i> , 2015, 1, 15090.	9.3	77
9	Photocontrol of subcellular partitioning of phytochrome-B:GFP fusion protein in tobacco seedlings. <i>Plant Journal</i> , 2000, 22, 135-145.	5.7	74
10	In planta analysis of protein-protein interactions related to light signaling by bimolecular fluorescence complementation. <i>Protoplasma</i> , 2005, 226, 137-146.	2.1	44
11	Priming and positioning of lateral roots in Arabidopsis. An approach for an integrating concept. <i>Journal of Experimental Botany</i> , 2016, 67, 1411-1420.	4.8	39
12	Altered Dark- and Photoconversion of Phytochrome B Mediate Extreme Light Sensitivity and Loss of Photoreversibility of the phyB-401 Mutant. <i>PLoS ONE</i> , 2011, 6, e27250.	2.5	33
13	Comparative functional analysis of full-length and N-terminal fragments of phytochrome C, D and E in red light-induced signaling. <i>New Phytologist</i> , 2013, 200, 86-96.	7.3	25
14	Characterization of photomorphogenic responses and signaling cascades controlled by phytochrome-A expressed in different tissues. <i>New Phytologist</i> , 2016, 211, 584-598.	7.3	20
15	The plant hormone auxin beats the time for oscillating, light-regulated lateral root induction. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	20
16	Phytochrome A-specific signaling in <i>Arabidopsis thaliana</i> . <i>Plant Signaling and Behavior</i> , 2011, 6, 1714-1719.	2.4	12
17	Insight into nuclear body formation of phytochromes through stochastic modelling and experiment. <i>Physical Biology</i> , 2018, 15, 056003.	1.8	6
18	A simple pipeline for cell cycle kinetic studies in the root apical meristem. <i>Journal of Experimental Botany</i> , 2022, 73, 4683-4695.	4.8	5

#	ARTICLE	IF	CITATIONS
19	Intramolecular uncoupling of chromophore photoconversion from structural signaling determinants drive mutant phytochrome B photoreceptor to far-red light perception. <i>Plant Signaling and Behavior</i> , 2012, 7, 904-906.	2.4	2