Stefan Kepinski

List of Publications by Year
in descending order

22 papers	5,398 citations	471477 17 h-index	677123 22 g-index
27 all docs	27 docs citations	27 times ranked	5510 citing authors

#	Article	IF	Citations
1	The Arabidopsis F-box protein TIR1 is an auxin receptor. Nature, 2005, 435, 446-451.	27.8	1,525
2	Auxin regulates SCFTIR1-dependent degradation of AUX/IAA proteins. Nature, 2001, 414, 271-276.	27.8	1,205
3	A novel sensor to map auxin response and distribution at high spatio-temporal resolution. Nature, 2012, 482, 103-106.	27.8	664
4	A combinatorial TIR1/AFBâ€“Aux/IAA co-receptor system for differential sensing of auxin. Nature Chemical Biology, 2012, 8, 477-485.	8.0	490
5	Structural Basis for DNA Binding Specificity by the Auxin-Dependent ARF Transcription Factors. Cell, 2014, 156, 577-589.	28.9	348
6	HSP90 regulates temperature-dependent seedling growth in Arabidopsis by stabilizing the auxin co-receptor F-box protein TIR1. Nature Communications, 2016, 7, 10269.	12.8	210
7	Auxin-induced SCFTIR1-Aux/IAA interaction involves stable modification of the SCFTIR1 complex. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 12381-12386.	7.1	176
8	The Arabidopsis MALE MEIOCYTE DEATH1 Gene Encodes a PHD-Finger Protein That Is Required for Male Meiosis. Plant Cell, 2003, 15, 1281-1295.	6.6	168
9	Auxin Controls Gravitropic Setpoint Angle in Higher Plant Lateral Branches. Current Biology, 2013, 23, 1497-1504.	3.9	116
10	Defining Binding Efficiency and Specificity of Auxins for SCF^{TIR1/AFB}-Aux/IAA Co-receptor Complex Formation. ACS Chemical Biology, 2014, 9, 673-682.	3.4	100
11	Plant Development: Auxin in Loops. Current Biology, 2005, 15, R208-R210.	3.9	75
12	Shoot and root branch growth angle controlâ€”the wonderfulness of lateralness. Current Opinion in Plant Biology, 2015, 23, 124-131.	7.1	69
13	Integrating hormone signaling and patterning mechanisms in plant development. Current Opinion in Plant Biology, 2006, 9, 28-34.	7.1	52
14	The developmental and environmental regulation of gravitropic setpoint angle in Arabidopsis and bean. Scientific Reports, 2017, 7, 42664.	3.3	44
15	Direct ETTIN-auxin interaction controls chromatin states in gynoecium development. ELife, 2020, 9, .	6.0	40
16	Plant science decadal vision 2020â€“2030: Reimagining the potential of plants for a healthy and sustainable future. Plant Direct, 2020, 4, e00252.	1.9	26
17	Selective auxin agonists induce specific AUX/IAA protein degradation to modulate plant development. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 6463-6472.	7.1	23
18	Genetic Screening for Mutants with Altered Seminal Root Numbers in Hexaploid Wheat Using a High-Throughput Root Phenotyping Platform. G3: Genes, Genomes, Genetics, 2019, 9, 2799-2809.	1.8	17

#	Article	IF	Citations
19	New fluorescent auxin probes visualise tissueâ€specific and subcellular distributions of auxin in Arabidopsis. New Phytologist, 2021, 230, 535-549.	7.3	15
20	SCF-Mediated Proteolysis and Negative Regulation in Ethylene Signaling. Cell, 2003, 115, 647-648.	28.9	14
21	The Arabidopsis JAGGED LATERAL ORGANS (JLO) gene sensitizes plants to auxin. Journal of Experimental Botany, 2017, 68, 2741-2755.	4.8	11
22	Analysis of Gravitropic Setpoint Angle Control in Arabidopsis. Methods in Molecular Biology, 2015, 1309, 31-41.	0.9	4