

Stefan Kepinski

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

4,344
citations

15
h-index

27
g-index

27
ext. papers

4,978
ext. citations

17.6
avg, IF

5.42
L-index

#	Paper	IF	Citations
24	The Arabidopsis F-box protein TIR1 is an auxin receptor. <i>Nature</i> , 2005 , 435, 446-51	50.4	1335
23	Auxin regulates SCF(TIR1)-dependent degradation of AUX/IAA proteins. <i>Nature</i> , 2001 , 414, 271-6	50.4	1053
22	A novel sensor to map auxin response and distribution at high spatio-temporal resolution. <i>Nature</i> , 2012 , 482, 103-6	50.4	518
21	A combinatorial TIR1/AFB-Aux/IAA co-receptor system for differential sensing of auxin. <i>Nature Chemical Biology</i> , 2012 , 8, 477-85	11.7	371
20	Structural basis for DNA binding specificity by the auxin-dependent ARF transcription factors. <i>Cell</i> , 2014 , 156, 577-89	56.2	243
19	Ubiquitination and auxin signaling: a degrading story. <i>Plant Cell</i> , 2002 , 14 Suppl, S81-95	11.6	148
18	Auxin-induced SCFTIR1-Aux/IAA interaction involves stable modification of the SCFTIR1 complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 12381-6	11.5	142
17	HSP90 regulates temperature-dependent seedling growth in Arabidopsis by stabilizing the auxin co-receptor F-box protein TIR1. <i>Nature Communications</i> , 2016 , 7, 10269	17.4	134
16	Auxin controls gravitropic setpoint angle in higher plant lateral branches. <i>Current Biology</i> , 2013 , 23, 1497-504	50.4	77
15	Defining binding efficiency and specificity of auxins for SCF(TIR1/AFB)-Aux/IAA co-receptor complex formation. <i>ACS Chemical Biology</i> , 2014 , 9, 673-82	4.9	68
14	Plant development: auxin in loops. <i>Current Biology</i> , 2005 , 15, R208-10	6.3	62
13	Integrating hormone signaling and patterning mechanisms in plant development. <i>Current Opinion in Plant Biology</i> , 2006 , 9, 28-34	9.9	45
12	Shoot and root branch growth angle control-the wonderfulness of lateralness. <i>Current Opinion in Plant Biology</i> , 2015 , 23, 124-31	9.9	42
11	The developmental and environmental regulation of gravitropic setpoint angle in Arabidopsis and bean. <i>Scientific Reports</i> , 2017 , 7, 42664	4.9	25
10	Direct ETTIN-auxin interaction controls chromatin states in gynoecium development. <i>ELife</i> , 2020 , 9,	8.9	17
9	Plant science decadal vision 2020-2030: Reimagining the potential of plants for a healthy and sustainable future. <i>Plant Direct</i> , 2020 , 4, e00252	3.3	14
8	Selective auxin agonists induce specific AUX/IAA protein degradation to modulate plant development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6463-6472	11.5	12

7	Genetic Screening for Mutants with Altered Seminal Root Numbers in Hexaploid Wheat Using a High-Throughput Root Phenotyping Platform. <i>G3: Genes, Genomes, Genetics</i> , 2019 , 9, 2799-2809	3.2	9
6	The Arabidopsis JAGGED LATERAL ORGANS (JLO) gene sensitizes plants to auxin. <i>Journal of Experimental Botany</i> , 2017 , 68, 2741-2755	7	5
5	New fluorescent auxin probes visualise tissue-specific and subcellular distributions of auxin in Arabidopsis. <i>New Phytologist</i> , 2021 , 230, 535-549	9.8	5
4	Analysis of gravitropic setpoint angle control in Arabidopsis. <i>Methods in Molecular Biology</i> , 2015 , 1309, 31-41	1.4	3
3	Antagonistic and auxin-dependent phosphoregulation of columella PIN proteins controls lateral root gravitropic setpoint angle in Arabidopsis		1
2	A fuzzy encounter complex precedes formation of the fully-engaged TIR1-Aux/IAA auxin co-receptor system		1
1	Direct ETTIN-auxin interaction controls chromatin state in gynoecium development		1