Abidur Rahman

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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.

35 papers	2,434 citations	20 h-index	43 g-index
43 ext. papers	2,888 ext. citations	7.2 avg, IF	4.97 L-index

#	Paper	IF	Citations
35	Auxin and ethylene: collaborators or competitors?. *Trends in Plant Science*, **2012**, 17, 181-95	13.1	292
34	Structure-function analysis of the presumptive Arabidopsis auxin permease AUX1. *Plant Cell*, **2004**, 16, 3069-83	11.6	261
33	Two leucine-rich repeat receptor kinases mediate signaling, linking cell wall biosynthesis and ACC synthase in Arabidopsis. *Plant Cell*, **2008**, 20, 3065-79	11.6	226
32	Auxin, actin and growth of the Arabidopsis thaliana primary root. *Plant Journal*, **2007**, 50, 514-28	6.9	219
31	Auxin response in Arabidopsis under cold stress: underlying molecular mechanisms. *Plant Cell*, **2009** , 21, 3823-38	11.6	205
30	Auxin and ethylene response interactions during Arabidopsis root hair development dissected by auxin influx modulators. *Plant Physiology*, **2002**, 130, 1908-17	6.6	190
29	p-Chlorophenoxyisobutyric acid impairs auxin response in Arabidopsis root. *Plant Physiology*, **2003**, 133, 1135-47	6.6	128
28	Auxin: a regulator of cold stress response. *Physiologia Plantarum*, **2013**, 147, 28-35	4.6	119
27	Auxin is a positive regulator for ethylene-mediated response in the growth of Arabidopsis roots. *Plant and Cell Physiology*, **2001**, 42, 301-7	4.9	115
26	PINOID kinase regulates root gravitropism through modulation of PIN2-dependent basipetal auxin transport in Arabidopsis. *Plant Physiology*, **2009**, 150, 722-35	6.6	107
25	Gravitropism of Arabidopsis thaliana roots requires the polarization of PIN2 toward the root tip in meristematic cortical cells. *Plant Cell*, **2010**, 22, 1762-76	11.6	106
24	Cellular auxin homeostasis under high temperature is regulated through a sorting NEXIN1-dependent endosomal trafficking pathway. *Plant Cell*, **2013**, 25, 3424-33	11.6	56
23	Chromosaponin I specifically interacts with AUX1 protein in regulating the gravitropic response of Arabidopsis roots. *Plant Physiology*, **2001**, 125, 990-1000	6.6	56
22	Genetic dissection of hormonal responses in the roots of Arabidopsis grown under continuous mechanical impedance. *Plant Physiology*, **2008**, 146, 1651-62	6.6	41
21	Genetic characterization of mutants resistant to the antiauxin p-chlorophenoxyisobutyric acid reveals that AAR3, a gene encoding a DCN1-like protein, regulates responses to the synthetic auxin 2,4-dichlorophenoxyacetic acid in Arabidopsis roots. *Plant Physiology*, **2007**, 145, 773-85	6.6	38
20	A small acidic protein 1 (SMAP1) mediates responses of the Arabidopsis root to the synthetic auxin 2,4-dichlorophenoxyacetic acid. *Plant Journal*, **2006**, 47, 788-801	6.9	36
19	Shootward and rootward: peak terminology for plant polarity. *Trends in Plant Science*, **2010**, 15, 593-4	13.1	35

18	Construction of a Functional Casparian Strip in Non-endodermal Lineages Is Orchestrated by Two Parallel Signaling Systems in Arabidopsis thaliana. *Current Biology*, **2018**, 28, 2777-2786.e2	6.3	27
17	Virus-induced gene silencing of P23k in barley leaf reveals morphological changes involved in secondary wall formation. *Journal of Experimental Botany*, **2007**, 58, 2617-25	7	24
16	Involvement of ethylene and gibberellin signalings in chromosaponin I-induced cell division and cell elongation in the roots of Arabidopsis seedlings. *Plant and Cell Physiology*, **2000**, 41, 1-9	4.9	20
15	Cold stress response in Arabidopsis thaliana is mediated by GNOM ARF-GEF. *Plant Journal*, **2019**, 97, 500-516	6.9	20
14	Plasma Membrane Aquaporin Members PIPs Act in Concert to Regulate Cold Acclimation and Freezing Tolerance Responses in Arabidopsis thaliana. *Plant and Cell Physiology*, **2020**, 61, 787-802	4.9	17
13	Aux/IAA14 Regulates microRNA-Mediated Cold Stress Response in Roots. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	16
12	Effects of Chromosaponin I and Brassinolide on the Growth of Roots in Etiolated Arabidopsis Seedlings. *Journal of Plant Physiology*, **2000**, 156, 60-67	3.6	15
11	SMALL ACIDIC PROTEIN1 acts with RUB modification components, the COP9 signalosome, and AXR1 to regulate growth and development of Arabidopsis. *Plant Physiology*, **2012**, 160, 93-105	6.6	9
10	PIN FORMED 2 Modulates the Transport of Arsenite in. *Plant Communications*, **2020**, 1, 100009	9	9
9	Small acidic protein 1 and SCF ubiquitin proteasome pathway act in concert to induce 2,4-dichlorophenoxyacetic acid-mediated alteration of actin in Arabidopsis roots. *Plant Journal*, **2017**, 89, 940-956	6.9	8
8	Auxin Transport and the Integration of Gravitropic Growth47-77		8
7	Spatial Expression and Functional Analysis of Casparian Strip Regulatory Genes in Endodermis Reveals the Conserved Mechanism in Tomato. *Frontiers in Plant Science*, **2018**, 9, 832	6.2	7
6	ATP binding cassette proteins ABCG37 and ABCG33 function as potassium-independent cesium uptake carriers in Arabidopsis roots. *Molecular Plant*, **2021**, 14, 664-678	14.4	7
5	Hormonal Regulation of Cold Stress Response **2018**, 65-88		4
4	Auxin and Temperature Stress: Molecular and Cellular Perspectives. *Signaling and Communication in Plants*, **2013**, 295-310	1	3
3	ATP Binding Cassette Proteins ABCG37 and ABCG33 are required for potassium-independent cesium uptake in Arabidopsis roots		2
2	Isolation of chromosaponin I-specific antibody by affinity chromatography. *Biochemical and Biophysical Research Communications*, **2003**, 302, 587-92	3.4	1
1	PIN FORMED 2 facilitates the transport of Arsenite in Arabidopsis thaliana		1