

# Ajith Anand

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

2,040  
citations

361413

20  
h-index

501196

28  
g-index

32  
all docs

32  
docs citations

32  
times ranked

2364  
citing authors

#	ARTICLE	IF	CITATIONS
1	Greenhouse and field testing of transgenic wheat plants stably expressing genes for thaumatin-like protein, chitinase and glucanase against <i>Fusarium graminearum</i> . <i>Journal of Experimental Botany</i> , 2003, 54, 1101-1111.	4.8	271
2	The Phytotoxin Coronatine Contributes to Pathogen Fitness and Is Required for Suppression of Salicylic Acid Accumulation in Tomato Inoculated with <i>Pseudomonas syringae</i> pv. <i>tomato</i> DC3000. <i>Molecular Plant-Microbe Interactions</i> , 2007, 20, 955-965.	2.6	222
3	Agrodrench: a novel and effective agroinoculation method for virus-induced gene silencing in roots and diverse Solanaceous species. <i>Plant Journal</i> , 2004, 40, 322-331.	5.7	214
4	Salicylic Acid and Systemic Acquired Resistance Play a Role in Attenuating Crown Gall Disease Caused by <i>Agrobacterium tumefaciens</i> . <i>Plant Physiology</i> , 2008, 146, 323-324.	4.8	163
5	A systematic study to determine the extent of gene silencing in <i>Nicotiana benthamiana</i> and other Solanaceae species when heterologous gene sequences are used for virus-induced gene silencing. <i>New Phytologist</i> , 2007, 176, 782-791.	7.3	118
6	<i>Arabidopsis</i> VIRE2 INTERACTING PROTEIN2 Is Required for <i>Agrobacterium</i> T-DNA Integration in Plants. <i>Plant Cell</i> , 2007, 19, 1695-1708.	6.6	109
7	Developing a flexible, high-efficiency <i>Agrobacterium</i> -mediated sorghum transformation system with broad application. <i>Plant Biotechnology Journal</i> , 2018, 16, 1388-1395.	8.3	101
8	Monitoring in planta bacterial infection at both cellular and whole-plant levels using the green fluorescent protein variant GFPuv. <i>New Phytologist</i> , 2007, 174, 212-223.	7.3	98
9	An improved ternary vector system for <i>Agrobacterium</i> -mediated rapid maize transformation. <i>Plant Molecular Biology</i> , 2018, 97, 187-200.	3.9	85
10	Identification and Characterization of Plant Genes Involved in <i>Agrobacterium</i> -Mediated Plant Transformation by Virus-Induced Gene Silencing. <i>Molecular Plant-Microbe Interactions</i> , 2007, 20, 41-52.	2.6	77
11	Stable transgene expression and random gene silencing in wheat. <i>Plant Biotechnology Journal</i> , 2003, 1, 241-251.	8.3	74
12	<i>Agrobacterium</i> -mediated high-frequency transformation of an elite commercial maize ( <i>Zea mays</i> L.) inbred line. <i>Plant Cell Reports</i> , 2014, 33, 1767-1777.	5.6	65
13	Efficient Gene Targeting in Maize Using Inducible CRISPR-Cas9 and Marker-free Donor Template. <i>Molecular Plant</i> , 2020, 13, 1219-1227.	8.3	61
14	Use of non-integrating Zm-Wus2 vectors to enhance maize transformation. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2020, 56, 265-279.	2.1	59
15	High efficiency <i>Agrobacterium</i> -mediated site-specific gene integration in maize utilizing the <i>FLP</i> / <i>FRT</i> recombination system. <i>Plant Biotechnology Journal</i> , 2019, 17, 1636-1645.	8.3	44
16	Wuschel2 enables highly efficient CRISPR/Cas-targeted genome editing during rapid de novo shoot regeneration in sorghum. <i>Communications Biology</i> , 2022, 5, 344.	4.4	42
17	Development of a Lesion-Mimic Phenotype in a Transgenic Wheat Line Overexpressing Genes for Pathogenesis-Related (PR) Proteins Is Dependent on Salicylic Acid Concentration. <i>Molecular Plant-Microbe Interactions</i> , 2003, 16, 916-925.	2.6	39
18	Effect of <i>Agrobacterium</i> strain and plasmid copy number on transformation frequency, event quality and usable event quality in an elite maize cultivar. <i>Plant Cell Reports</i> , 2015, 34, 745-754.	5.6	36

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19	Apoplastic Extracts from a Transgenic Wheat Line Exhibiting Lesion-Mimic Phenotype Have Multiple Pathogenesis-Related Proteins That Are Antifungal. <i>Molecular Plant-Microbe Interactions</i> , 2004, 17, 1306-1317.	2.6	33
20	Several components of SKP1/Cullin/F-box E3 ubiquitin ligase complex and associated factors play a role in <i>Agrobacterium</i> -mediated plant transformation. <i>New Phytologist</i> , 2012, 195, 203-216.	7.3	32
21	Advancing <i>Agrobacterium</i> -Based Crop Transformation and Genome Modification Technology for Agricultural Biotechnology. <i>Current Topics in Microbiology and Immunology</i> , 2018, 418, 489-507.	1.1	20
22	In vitro propagation of <i>Syzygium travancoricum</i> Gamble "an endangered tree species. <i>Plant Cell, Tissue and Organ Culture</i> , 1999, 56, 59-63.	2.3	18
23	Vegetative propagation of three mangrove tree species by cuttings and air layering. <i>Wetlands Ecology and Management</i> , 2000, 8, 281-286.	1.5	18
24	An Efficient Gene Excision System in Maize. <i>Frontiers in Plant Science</i> , 2020, 11, 1298.	3.6	15
25	Indirect Organogenesis from the Leaf Explants of Medicinally Important Plant <i>Curculigo orchoides</i> Gaertn. <i>Journal of Plant Biochemistry and Biotechnology</i> , 1999, 8, 113-115.	1.7	5
26	The role of RAR1 in <i>Agrobacterium</i> -mediated plant transformation. <i>Plant Signaling and Behavior</i> , 2013, 8, e26784.	2.4	4
27	Overexpression of VIRE2-INTERACTING PROTEIN2 in <i>Arabidopsis</i> regulates genes involved in <i>Agrobacterium</i> -mediated plant transformation and abiotic stresses. <i>Scientific Reports</i> , 2019, 9, 13503.	3.3	4
28	Novel Ternary Vectors for Efficient Sorghum Transformation. <i>Methods in Molecular Biology</i> , 2019, 1931, 185-196.	0.9	3