Raymond D Shillito

List of Publications by Citations

25 papers	2,462 citations	17 h-index	27 g-index
27 ext. papers	2,524 ext. citations	9.4 avg, IF	3.79 L-index

#	Paper	IF	Citations
25	Direct gene transfer to plants. *EMBO Journal*, **1984**, 3, 2717-2722	13	436
24	Hybrid genes in the analysis of transformation conditions : I. Setting up a simple method for direct gene transfer in plant protoplasts. *Plant Molecular Biology*, **1987**, 8, 363-73	4.6	417
23	Expression in plants of two bacterial antibiotic resistance genes after protoplast transformation with a new plant expression vector. *Nucleic Acids Research*, **1986**, 14, 5857-68	20.1	297
22	Direct gene transfer to cells of a graminaceous monocot. *Molecular Genetics and Genomics*, **1985**, 199, 183-188		205
21	Molecular and general genetics of a hybrid foreign gene introduced into tobacco by direct gene transfer. *Molecular Genetics and Genomics*, **1985**, 199, 169-77		142
20	Transgenic plants of Orchardgrass (Dactylis glomerata L.) from protoplasts. *Plant Cell Reports*, **1988** , 7, 469-72	5.1	124
19	Involvement of circular intermediates in the transfer of T-DNA from Agrobacterium tumefaciens to plant cells. *Nature*, **1985**, 313, 191-196	50.4	122
18	Regeneration of Fertile Plants from Protoplasts of Elite Inbread Maize.. *Nature Biotechnology*, **1989** , 7, 581-587	44.5	116
17	Direct gene transferState of the Art and Future Potential. *Plant Molecular Biology Reporter*, **1985**, 3, 117-128	1.7	84
16	Development of the International Life Sciences Institute Crop Composition Database. *Journal of Food Composition and Analysis*, **2004**, 17, 423-438	4.1	68
15	Rice (Oryza sativa L.) containing the bar gene is compositionally equivalent to the nontransgenic counterpart. *Journal of Agricultural and Food Chemistry*, **2005**, 53, 1457-65	5.7	67
14	Protoplasts: Isolation, culture, plant regeneration. *Methods in Enzymology*, **1986**, 118, 549-578	1.7	67
13	T-strand integration in maize protoplasts after codelivery of a T-DNA substrate and virulence genes. *Proceedings of the National Academy of Sciences of the United States of America*, **1997**, 94, 11726-30	11.5	63
12	Selection of transformed protoplast-derived Zea mays colonies with phosphinothricin and a novel assay using the pH indicator chlorophenol red. *Planta*, **1993**, 190, 454	4.7	61
11	Permeabilization of cultivated plant cells by electroporation for release of intracellularly stored secondary products. *Plant Cell Reports*, **1988**, 7, 186-8	5.1	61
10	Herbicide resistance due to amplification of a mutant acetohydroxyacid synthase gene. *Molecular Genetics and Genomics*, **1992**, 233, 427-35		55
9	Genetic transformation of Brassica campestris var. rapa protoplasts with an engineered cauliflower mosaic virus genome. *Plant Molecular Biology*, **1986**, 6, 303-12	4.6	40

8	[19] Direct gene transfer to protoplasts of dicotyledonous and monocotyledonous plants by a number of methods, including electroporation. *Methods in Enzymology*, **1987**, 313-336	1.7	11
7	Application of DNA- and Protein-Based Detection Methods in Agricultural Biotechnology. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 1019-1028	5.7	10
6	Cryopreservation technology for plant cell cultures. *Cytotechnology*, **1989**, 12, 163-169		8
5	Effect of DNA fragment size on transformation frequencies in tobacco (Nicotiana tabacum) and maize (Zea mays). *Plant Science*, **1995**, 110, 187-192	5.3	6
4	Direct DNA transfer to protoplasts with and without electroporation **1989**, 1-16		1
3	Detection of genome edits in plants from editing to seed. *In Vitro Cellular and Developmental Biology - Plant*, **2021**, 57, 595	2.3	1
2	Second Caribbean Workshop on Detection Methods for GMOs in the Food Chain Held in Barbados. *Cereal Foods World*, **2016**, 61, 38-39	2	
1	Joint Workshop on Detection Methods for GMOs in the Food Chain Held in Trinidad and Tobago. *Cereal Foods World*, **2015**, 60, 154-155	2	