

# Raymond D Shillito

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

2,826  
citations

471477

17  
h-index

677123

22  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1083  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Direct gene transfer to plants. <i>EMBO Journal</i> , 1984, 3, 2717-2722.  | 7.8  | 534       |
| 2  | Hybrid genes in the analysis of transformation conditions. <i>Plant Molecular Biology</i> , 1987, 8, 363-373.  | 3.9  | 463       |
| 3  | Expression in plants of two bacterial antibiotic resistance genes after protoplast transformation with a new plant expression vector. <i>Nucleic Acids Research</i> , 1986, 14, 5857-5868.                           | 14.5 | 314       |
| 4  | Direct gene transfer to cells of a graminaceous monocot. <i>Molecular Genetics and Genomics</i> , 1985, 199, 183-188.  | 2.4  | 236       |
| 5  | Molecular and general genetics of a hybrid foreign gene introduced into tobacco by direct gene transfer. <i>Molecular Genetics and Genomics</i> , 1985, 199, 169-177.  | 2.4  | 160       |
| 6  | Regeneration of Fertile Plants from Protoplasts of Elite Inbred Maize.. <i>Nature Biotechnology</i> , 1989, 7, 581-587.  | 17.5 | 137       |
| 7  | Involvement of circular intermediates in the transfer of T-DNA from <i>Agrobacterium tumefaciens</i> to plant cells. <i>Nature</i> , 1985, 313, 191-196.   | 27.8 | 135       |
| 8  | Transgenic plants of Orchardgrass ( <i>Dactylis glomerata</i> L.) from protoplasts. <i>Plant Cell Reports</i> , 1988, 7, 469-472.  | 5.6  | 133       |
| 9  | Direct gene transferState of the Art and Future Potential. <i>Plant Molecular Biology Reporter</i> , 1985, 3, 117-128.   | 1.8  | 92        |
| 10 | Protoplasts: Isolation, culture, plant regeneration. <i>Methods in Enzymology</i> , 1986, 118, 549-578.  | 1.0  | 88        |
| 11 | Selection of transformed protoplast-derived <i>Zea mays</i> colonies with phosphinothricin and a novel assay using the pH indicator chlorophenol red. <i>Planta</i> , 1993, 190, 454.                                | 3.2  | 83        |
| 12 | Development of the International Life Sciences Institute Crop Composition Database. <i>Journal of Food Composition and Analysis</i> , 2004, 17, 423-438.   | 3.9  | 76        |
| 13 | Rice ( <i>Oryza sativa</i> L.) Containing thebarGene Is Compositionally Equivalent to the Nontransgenic Counterpart. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 1457-1465.                        | 5.2  | 71        |
| 14 | T-strand integration in maize protoplasts after codelivery of a T-DNA substrate and virulence genes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 11726-11730. | 7.1  | 70        |
| 15 | Permeabilization of cultivated plant cells by electroporation for release of intracellularly stored secondary products. <i>Plant Cell Reports</i> , 1988, 7, 186-188.  | 5.6  | 63        |
| 16 | Herbicide resistance due to amplification of a mutant acetohydroxyacid synthase gene. <i>Molecular Genetics and Genomics</i> , 1992, 233, 427-35.  | 2.4  | 63        |
| 17 | Genetic transformation of <i>Brassica campestris</i> var. rapa protoplasts with an engineered cauliflower mosaic virus genome. <i>Plant Molecular Biology</i> , 1986, 6, 303-312.                                    | 3.9  | 43        |
| 18 | Application of DNA- and Protein-Based Detection Methods in Agricultural Biotechnology. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1019-1028.  | 5.2  | 19        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | [19] Direct gene transfer to protoplasts of dicotyledonous and monocotyledonous plants by a number of methods, including electroporation. <i>Methods in Enzymology</i> , 1987, , 313-336. | 1.0 | 14        |
| 20 | Detection of genome edits in plantsâ€”from editing to seed. <i>In Vitro Cellular and Developmental Biology - Plant</i> , 2021, 57, 595-608.   | 2.1 | 12        |
| 21 | Cryopreservation technology for plant cell cultures. <i>Cytotechnology</i> , 1989, 12, 163-169.   | 0.3 | 11        |
| 22 | Effect of DNA fragment size on transformation frequencies in tobacco ( <i>Nicotiana tabacum</i> ) and maize ( <i>Zea mays</i> ). <i>Plant Science</i> , 1995, 110, 187-192.               | 3.6 | 7         |
| 23 | Direct DNA transfer to protoplasts with and without electroporation. , 1989, , 1-16.  |     | 2         |
| 24 | Joint Workshop on Detection Methods for GMOs in the Food Chain Held in Trinidad and Tobago. <i>Cereal Foods World</i> , 2015, 60, 154-155.  | 0.2 | 0         |
| 25 | Second Caribbean Workshop on Detection Methods for GMOs in the Food Chain Held in Barbados. <i>Cereal Foods World</i> , 2016, 61, 38-39.  | 0.2 | 0         |