

# David Tepfer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11445060/publications.pdf>

Version: 2024-02-01

38  
papers

2,077  
citations

257450

24  
h-index

361022

35  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1066  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transformation of several species of higher plants by agrobacterium rhizogenes: Sexual transmission of the transformed genotype and phenotype. <i>Cell</i> , 1984, 37, 959-967.	28.9	725
2	Tropane derivatives from <i>Calystegia sepium</i> . <i>Phytochemistry</i> , 1990, 29, 2125-2127.	2.9	135
3	Structure and expression of Ri T-DNA from <i>Agrobacterium rhizogenes</i> in <i>Nicotiana tabacum</i> . <i>Journal of Molecular Biology</i> , 1985, 186, 557-564.	4.2	117
4	Changes in morphological phenotypes and withanolide composition of Ri-transformed roots of <i>Withania somnifera</i> . <i>Plant Cell Reports</i> , 2007, 26, 599-609.	5.6	90
5	Genetic transformation of <i>Tylophora indica</i> with <i>Agrobacterium rhizogenes</i> strain A4: growth and tylophorine productivity in different transformed root clones. <i>Plant Cell Reports</i> , 2005, 24, 25-35.	5.6	78
6	Changes in flowering and the accumulation of polyamines and hydroxycinnamic acid-polyamine conjugates in tobacco plants transformed by the rolA locus from the Ri TL-DNA of <i>Agrobacterium rhizogenes</i> . <i>Plant Science</i> , 1991, 80, 145-156.	3.6	60
7	Spontaneous plant regeneration in transformed roots and calli from <i>Tylophora indica</i> : changes in morphological phenotype and tylophorine accumulation associated with transformation by <i>Agrobacterium rhizogenes</i> . <i>Plant Cell Reports</i> , 2006, 25, 1059-1066.	5.6	59
8	Use of <i>Agrobacterium rhizogenes</i> to create transgenic apple trees having an altered organogenic response to hormones. <i>Theoretical and Applied Genetics</i> , 1992, 85, 105-109.	3.6	55
9	<i>Pisum sativum</i> mutants insensitive to nodulation are also insensitive to invasion in vitro by the mycorrhizal fungus, <i>Gigaspora margarita</i> . <i>Plant Science</i> , 1994, 102, 195-203.	3.6	55
10	Isolation and identification of TL-DNA/plant junctions in <i>Convolvulus arvensis</i> transformed by <i>Agrobacterium rhizogenes</i> strain A4. <i>EMBO Journal</i> , 1985, 4, 3069-3077.	7.8	53
11	Chemical synthesis, expression and mutagenesis of a gene encoding $\beta$ -cryptogein, an elicitor produced by <i>Phytophthora cryptogea</i> . <i>Plant Molecular Biology</i> , 1995, 27, 577-586.	3.9	51
12	Homology-dependent DNA transfer from plants to a soil bacterium under laboratory conditions: implications in evolution and horizontal gene transfer. <i>Transgenic Research</i> , 2003, 12, 425-437.	2.4	43
13	Transgenic mimicry of pathogen attack stimulates growth and secondary metabolite accumulation. <i>Transgenic Research</i> , 2009, 18, 121-134.	2.4	42
14	Biological Activities of the Nortropine Alkaloid, Calystegine B2, and Analogs: Structure-Function Relationships. <i>Journal of Natural Products</i> , 1996, 59, 1137-1142.	3.0	40
15	Natural Genetic Transformation by <i>Agrobacterium rhizogenes</i> . <i>Plant Physiology</i> , 1998, 118, 543-550.	4.8	38
16	Genetic transformation with a derivative of rolC from <i>Agrobacterium rhizogenes</i> and treatment with $\beta$ -aminoisobutyric acid produce similar phenotypes and reduce ethylene production and the accumulation of water-insoluble polyamine-hydroxycinnamic acid conjugates in tobacco flowers. <i>Plant Science</i> , 1993, 93, 63-76.	3.6	36
17	Survival of Plant Seeds, Their UV Screens, and <i>nptII</i> DNA for 18 Months Outside the International Space Station. <i>Astrobiology</i> , 2012, 12, 517-528.	3.0	36
18	Phytophthora Resistance Through Production of a Fungal Protein Elicitor ( $\beta$ -Cryptogein) in Tobacco. <i>Molecular Plant-Microbe Interactions</i> , 1998, 11, 64-67.	2.6	33

#	ARTICLE	IF	CITATIONS
19	Modification of phenotype in Belgian endive ( <i>Cichorium intybus</i> ) through genetic transformation by <i>Agrobacterium rhizogenes</i> : conversion from biennial to annual flowering. <i>Transgenic Research</i> , 1991, 1, 14-22.	2.4	31
20	The stachydrine catabolism region in <i>Sinorhizobium meliloti</i> encodes a multi-enzyme complex similar to the xenobiotic degrading systems in other bacteria. <i>Gene</i> , 2000, 244, 151-161.	2.2	30
21	Estimation of cadmium availability using transformed roots. <i>Plant and Soil</i> , 1992, 143, 249-257.	3.7	29
22	Changing root and shoot architecture with the <i>rolA</i> gene from <i>Agrobacterium rhizogenes</i> : Interactions with gibberellic acid and polyamine metabolism. <i>Physiologia Plantarum</i> , 1996, 96, 237-243.	5.2	29
23	Symbiotic plasmid genes essential to the catabolism of proline betaine, or stachydrine, are also required for efficient nodulation by <i>Rhizobium meliloti</i> . <i>FEMS Microbiology Letters</i> , 1994, 115, 305-311.	1.8	28
24	Plant Seeds as Model Vectors for the Transfer of Life Through Space. <i>Astrophysics and Space Science</i> , 2006, 306, 69-75.	1.4	25
25	Analysis of TR-DNA/plant junctions in the genome of a <i>Convolvulus arvensis</i> clone transformed by <i>Agrobacterium rhizogenes</i> strain A4. <i>Plant Molecular Biology</i> , 1989, 12, 75-85.	3.9	24
26	Survival and DNA Damage in Plant Seeds Exposed for 558 and 682 Days outside the International Space Station. <i>Astrobiology</i> , 2017, 17, 205-215.	3.0	23
27	Survival of seeds in hypervelocity impacts. <i>International Journal of Astrobiology</i> , 2008, 7, 217-222.	1.6	18
28	The Potential uses of <i>Agrobacterium Rhizogenes</i> in the Genetic Engineering of Higher Plants: Nature Got There First. , 1983, , 153-164.		16
29	Unsuccessful search for DNA transfer from transgenic plants to bacteria in the intestine of the tobacco horn worm, <i>Manduca sexta</i> . <i>Transgenic Research</i> , 2005, 14, 207-215.	2.4	14
30	The origin of life, panspermia and a proposal to seed the Universe. <i>Plant Science</i> , 2008, 175, 756-760.	3.6	14
31	Genetic and morphological transformation of rice with the <i>rolA</i> gene from the Ri TL-DNA of <i>Agrobacterium rhizogenes</i> . <i>Plant Science</i> , 2001, 161, 917-925.	3.6	13
32	Directed exospermia: I. Biological modes of resistance to UV light are implied through absorption spectroscopy of DNA and potential UV screens. <i>International Journal of Astrobiology</i> , 2007, 6, 229-240.	1.6	11
33	Directed exospermia: II. VUV-UV spectroscopy of specialized UV screens, including plant flavonoids, suggests using metabolic engineering to improve survival in space. <i>International Journal of Astrobiology</i> , 2007, 6, 291-301.	1.6	9
34	Control of Root System Architecture through Chemical and Genetic Alterations of Polyamine Metabolism. , 1994, , 181-189.		5
35	VUV-UV absorption spectroscopy of DNA and UV screens suggests strategies for UV resistance during evolution and space travel. <i>Proceedings of SPIE</i> , 2007, , .	0.8	4
36	DNA Transfer to Plants by <i>Agrobacterium rhizogenes</i> : A Model for Genetic Communication Between Species and Biospheres. <i>Reference Series in Phytochemistry</i> , 2017, , 3-43.	0.4	4

#	ARTICLE	IF	CITATIONS
37	Changing root and shoot architecture with the rolA gene from <i>Agrobacterium rhizogenes</i> : Interactions with gibberellic acid and polyamine metabolism. <i>Physiologia Plantarum</i> , 1996, 96, 237-243.	5.2	3
38	DNA Transfer to Plants by <i>Agrobacterium rhizogenes</i> : A Model for Genetic Communication Between Species and Biospheres. , 2016, , 1-41.		1