David Tepfer

List of Publications by Year
in descending order

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	Survival and DNA Damage in Plant Seeds Exposed for 558 and 682 Days outside the International Space Station. Astrobiology, 2017, 17, 205-215.	3.0	23
2	DNA Transfer to Plants by Agrobacterium rhizogenes: A Model for Genetic Communication Between Species and Biospheres. Reference Series in Phytochemistry, 2017, , 3-43.	0.4	4
3	DNA Transfer to Plants by Agrobacterium rhizogenes: A Model for Genetic Communication Between Species and Biospheres. , 2016, , 1-41.		1
4	Survival of Plant Seeds, Their UV Screens, and <i>nptII</i> DNA for 18 Months Outside the International Space Station. Astrobiology, 2012, 12, 517-528.	3.0	36
5	Transgenic mimicry of pathogen attack stimulates growth and secondary metabolite accumulation. Transgenic Research, 2009, 18, 121-134.	2.4	42
6	The origin of life, panspermia and a proposal to seed the Universe. Plant Science, 2008, 175, 756-760.	3.6	14
7	Survival of seeds in hypervelocity impacts. International Journal of Astrobiology, 2008, 7, 217-222.	1.6	18
8	Directed exospermia: I. Biological modes of resistance to UV light are implied through absorption spectroscopy of DNA and potential UV screens. International Journal of Astrobiology, 2007, 6, 229-240.	1.6	11
9	Directed exospermia: II. VUV-UV spectroscopy of specialized UV screens, including plant flavonoids, suggests using metabolic engineering to improve survival in space. International Journal of Astrobiology, 2007, 6, 291-301.	1.6	9
10	VUV-UV absorption spectroscopy of DNA and UV screens suggests strategies for UV resistance during evolution and space travel. Proceedings of SPIE, 2007, , .	0.8	4
11	Changes in morphological phenotypes and withanolide composition of Ri-transformed roots of Withania somnifera. Plant Cell Reports, 2007, 26, 599-609.	5.6	90
12	Plant Seeds as Model Vectors for the Transfer of Life Through Space. Astrophysics and Space Science, 2006, 306, 69-75.	1.4	25
13	Spontaneous plant regeneration in transformed roots and calli from Tylophora indica: changes in morphological phenotype and tylophorine accumulation associated with transformation by Agrobacterium rhizogenes. Plant Cell Reports, 2006, 25, 1059-1066.	5.6	59
14	Genetic transformation of Tylophora indica with Agrobacterium rhizogenesï¿½A4: growth and tylophorine productivity in different transformed root clones. Plant Cell Reports, 2005, 24, 25-35.	5.6	78
15	Unsuccessful search for DNA transfer from transgenic plants to bacteria in the intestine of the tobacco horn worm, Manduca sexta. Transgenic Research, 2005, 14, 207-215.	2.4	14
16	Homology-dependent DNA transfer from plants to a soil bacterium under laboratory conditions: implications in evolution and horizontal gene transfer. Transgenic Research, 2003, 12, 425-437.	2.4	43
17	Genetic and morphological transformation of rice with the rolA gene from the Ri TL-DNA of Agrobacterium rhizogenes. Plant Science, 2001, 161, 917-925.	3.6	13
18	The stachydrine catabolism region in Sinorhizobium meliloti encodes a multi-enzyme complex similar to the xenobiotic degrading systems in other bacteria. Gene, 2000, 244, 151-161.	2.2	30

#	Article	IF	Citations
19	Natural Genetic Transformation byAgrobacterium rhizogenes. Plant Physiology, 1998, 118, 543-550.	4.8	38
20	Phytophthora Resistance Through Production of a Fungal Protein Elicitor (Î²-Cryptogein) in Tobacco. Molecular Plant-Microbe Interactions, 1998, 11, 64-67.	2.6	33
21	Biological Activities of the Nortropane Alkaloid, Calystegine B2, and Analogs:Â Structureâˆ’Function Relationships. Journal of Natural Products, 1996, 59, 1137-1142.	3.0	40
22	Changing root and shoot architecture with the rolA gene from Agrobacterium rhizogenes: Interactions with gibberellic acid and polyamine metabolism. Physiologia Plantarum, 1996, 96, 237-243.	5.2	29
23	Changing root and shoot architecture with the rolA gene from Agrobacterium rhizogenes: Interactions with gibberellic acid and polyamine metabolism. Physiologia Plantarum, 1996, 96, 237-243.	5.2	3
24	Chemical synthesis, expression and mutagenesis of a gene encoding ?-cryptogein, an elicitin produced by Phytophthora cryptogea. Plant Molecular Biology, 1995, 27, 577-586.	3.9	51
25	Symbiotic plasmid genes essential to the catabolism of proline betaine, or stachydrine, are also required for efficient nodulation byRhizobium meliloti. FEMS Microbiology Letters, 1994, 115, 305-311.	1.8	28
26	Pisum sativum mutants insensitive to nodulation are also insensitive to invasion in vitro by the mycorrhizal fungus, Gigaspora margarita. Plant Science, 1994, 102, 195-203.	3.6	55
27	Control of Root System Architecture through Chemical and Genetic Alterations of Polyamine Metabolism. , 1994, , 181-189.		5
28	Genetic transformation with a derivative of rolC from Agrobacterium rhizogenes and treatment with Î±-aminoisobutyric acid produce similar phenotypes and reduce ethylene production and the accumulation of water-insoluble polyamine-hydroxycinnamic acid conjugates in tobacco flowers. Plant Science, 1993, 93, 63-76.	3.6	36
29	Estimation of cadmium availability using transformed roots. Plant and Soil, 1992, 143, 249-257.	3.7	29
30	Use of Agrobacterium rhizogenes to create transgenic apple trees having an altered organogenic response to hormones. Theoretical and Applied Genetics, 1992, 85, 105-109.	3.6	55
31	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 Agrobacterium rhizogenes. Plant Science, 1991, 80, 145-156.	3.6	60
32	Modification of phenotype in Belgian endive (Cichorium intybus) through genetic transformation byAgrobacterium rhizogenes: conversion from biennial to annual flowering. Transgenic Research, 1991, 1, 14-22.	2.4	31
33	Tropane derivatives from Calystegia sepium. Phytochemistry, 1990, 29, 2125-2127.	2.9	135
34	Analysis of TR-DNA/plant junctions in the genome of a Convolvulus arvensis clone transformed by Agrobacterium rhizogenes strain A4. Plant Molecular Biology, 1989, 12, 75-85.	3.9	24
35	Isolation and identification of TL-DNA/plant junctions in <i>Convolvulus arvensis</i> transformed by <i>Agrobacterium rhizogenes</i> strain A4. EMBO Journal, 1985, 4, 3069-3077.	7.8	53
36	Structure and expression of Ri T-DNA from Agrobacterium rhizogenes in Nicotiana tabacum,. Journal of Molecular Biology, 1985, 186, 557-564.	4.2	117

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37	Transformation of several species of higher plants by agrobacterium rhizogenes: Sexual transmission of the transformed genotype and phenotype. Cell, 1984, 37, 959-967.	28.9	725
38	The Potential uses of Agrobacterium Rhizogenes in the Genetic Engineering of Higher Plants: Nature Got There First. , 1983, , 153-164.		16