Tomas Gichner

List of Publications by Year
in descending order

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43	1,441	257450	315739
papers	citations	24 h-index	38 g-index

43	43	43	970
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Chapter 4. The Use of Higher Plants in the Comet Assay. Issues in Toxicology, 2009, , 98-119.	0.1	14
2	DNA damage in potato plants induced by cadmium, ethyl methanesulphonate and Î³-rays. Environmental and Experimental Botany, 2008, 62, 113-119.	4.2	70
3	Evaluation of DNA damage and mutagenicity induced by lead in tobacco plants. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2008, 652, 186-190.	1.7	98
4	Genomic damage induced in tobacco plants by chlorobenzoic acidsâ€"Metabolic products of polychlorinated biphenyls. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2008, 657, 140-145.	1.7	15
5	Monitoring toxicity, DNA damage, and somatic mutations in tobacco plants growing in soil heavily polluted with polychlorinated biphenyls. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 629, 1-6.	1.7	29
6	Toxicity and DNA damage in tobacco and potato plants growing on soil polluted with heavy metals. Ecotoxicology and Environmental Safety, 2006, 65, 420-426.	6.0	97
7	DNA staining with the fluorochromes EtBr, DAPI and YOYO-1 in the comet assay with tobacco plants after treatment with ethyl methanesulphonate, hyperthermia and DNase-I. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2006, 605, 17-21.	1.7	39
8	Evaluation of the nuclear DNA Diffusion Assay to detect apoptosis and necrosis. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2005, 586, 38-46.	1.7	26
9	Cadmium induces DNA damage in tobacco roots, but no DNA damage, somatic mutations or homologous recombination in tobacco leaves. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2004, 559, 49-57.	1.7	150
10	DNA damage induced by indirect and direct acting mutagens in catalase-deficient transgenic tobacco. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2003, 535, 187-193.	1.7	47
11	Differential genotoxicity of ethyl methanesulphonate, N-ethyl-N-nitrosourea and maleic hydrazide in tobacco seedlings based on data of the Comet assay and two recombination assays. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2003, 538, 171-179.	1.7	34
12	Monitoring DNA damage in wood small-reed (Calamagrostis epigejos) plants growing in a sediment reservoir with substrates from uranium mining. Journal of Environmental Monitoring, 2002, 4, 592-595.	2.1	11
13	DNA damage induced by hydrogen peroxide in cultured tobacco cells is dependent on the cell growth stage. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2002, 514, 147-152.	1.7	26
14	Induction and repair of DNA damage as measured by the Comet assay and the yield of somatic mutations in gamma-irradiated tobacco seedlings. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2001, 491, 17-23.	1.7	31
15	o-Phenylenediamine-induced DNA damage and mutagenicity in tobacco seedlings is light-dependent. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2001, 495, 117-125.	1.7	31
16	A comparison of DNA repair using the comet assay in tobacco seedlings after exposure to alkylating agents or ionizing radiation. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 470, 1-9.	1.7	60
17	Monitoring the genotoxicity of soil extracts from two heavily polluted sites in Prague using the Tradescantia stamen hair and micronucleus (MNC) assays. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1999, 426, 163-166.	1.0	24
18	Comparison of DNA damage in plants as measured by single cell gel electrophoresis and somatic leaf mutations induced by monofunctional alkylating agents. Environmental and Molecular Mutagenesis, 1999, 33, 279-286.	2.2	40

#	Article	IF	Citations
19	Induction of somatic DNA damage as measured by single cell gel electrophoresis and point mutation in leaves of tobacco plants. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1998, 401, 143-152.	1.0	88
20	Single cell gel electrophoresis analysis of genomic damage induced by ethyl methanesulfonate in cultured tobacco cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1998, 422, 323-330.	1.0	21
21	Pentachlorophenol-mediated mutagenic synergy with aromatic amines in Salmonella typhimurium. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1998, 420, 115-124.	1.7	7
22	Characterization of a macromolecular matrix isolated from tobacco suspension cell cultures and its role in the activation of promutagenic m-phenylenediamine. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1997, 379, 191-199.	1.0	3
23	Mutagenic synergy between paraoxon and mammalian or plant-activated aromatic amines. Environmental and Molecular Mutagenesis, 1997, 30, 312-320.	2.2	8
24	Plant activation and its role in environmental mutagenesis and antimutagenesis. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1996, 350, 163-171.	1.0	17
25	Mutagenic synergy between paraoxon and plant-activatedm-phenylenediamine or 2-acetoxyacetylaminofluorene. Environmental and Molecular Mutagenesis, 1996, 27, 59-66.	2.2	6
26	Metabolic activation of m-phenylenediamine to products mutagenic in Salmonella typhimurium by medium isolated from tobacco suspension cell cultures. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1995, 331, 127-132.	1.0	19
27	Induction of somatic mutations in Tradescantia clone 4430 by three phenylenediamine isomers and the antimutagenic mechanisms of diethylditiocarbamate and ammonium meta-vanadate. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1994, 306, 165-172.	1.0	35
28	Antimutagenicity of three isomers of aminobenzoic acid in Salmonella typhimurium. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1994, 309, 201-210.	1.0	18
29	Biochemical and mutagenic characterization of plantâ€activated aromatic amines. Environmental Toxicology and Chemistry, 1993, 12, 1353-1363.	4.3	32
30	Mechanisms of inhibition of N-nitroso compounds-induced mutagenicity. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1988, 202, 325-334.	1.0	23
31	Inhibitors of N-nitroso compounds-induced mutagenicity. Mutation Research - Reviews in Genetic Toxicology, 1988, 195, 21-43.	2.9	28
32	Reduction in the frequency of N-methyl-N-nitrosourea-induced somatic mutations in Tradescantia by pretreatment with low doses of alkylating agents. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1983, 122, 229-234.	1.1	16
33	Genetic effects of N-methyl-Nâ€²-nitro-N-nitrosoguanidine and its homologs. Mutation Research - Reviews in Genetic Toxicology, 1982, 99, 129-242.	2.9	52
34	Somatic mutations induced by maleic hydrazide and its potassium and diethanolamine salts in the Tradescantia mutation assay. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1982, 103, 289-293.	1.1	28
35	DNA repair in mutagen-injured higher plants. Mutation Research - Reviews in Genetic Toxicology, 1978, 55, 71-84.	2.9	31
36	The mutagenic activity of 1-alkyl-1-nitrosoureas and 1-alkyl-3-nitro-1-nitrosoguanidines. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1967, 4, 207-212.	1.0	55

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37	Relation of some M1 characters to the frequency of M2 mutants inArabidopsis thaliana. Biologia Plantarum, 1966, 8, 209-212.	1.9	6
38	The influence of EDTA on the mutagenic activity of ethyl methanesulphonate (EMS) inArabidopsis thaliana. Biologia Plantarum, 1965, 7, 162-164.	1.9	1
39	Mutagenic Activity of 1-Methyl-3-nitro-1-nitrosoguanidine on Arabidopsis. Nature, 1964, 201, 1149-1150.	27.8	49
40	The influence of streptomycin on the frequency of induced chromosome aberrations. Biologia Plantarum, 1963, 5, 271-278.	1.9	4
41	Cytological and genetic effects of the insecticide systox onVicia faba L. andArabidopsis thaliana L. (Heynh). Biologia Plantarum, 1963, 5, 41-52.	1.9	4
42	Radiomimetic effects of 1-methyl-3-nitro-1-nitrosoguanidine in Vicia faba. Biochemical and Biophysical Research Communications, 1963, 11, 120-124.	2.1	48
43	The Activity of Trypsin Inhibitor and its Correlation with the Oil Content inGlycine. Biologia Plantarum, 1961, 3, 305-311.	1.9	0