Hideyuku Inui

List of Publications by Year
in descending order

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67	1,356	279701	377752
papers	citations	23 h-index	34 g-index

68	68	68	1146
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differential uptake for dioxin-like compounds by zucchini subspecies. Chemosphere, 2008, 73, 1602-1607.	4.2	83
2	Herbicide resistance in transgenic plants with mammalian P450 monooxygenase genes. Pest Management Science, 2005, 61, 286-291.	1.7	68
3	Efficient biodegradation of petroleum n-alkanes and polycyclic aromatic hydrocarbons by polyextremophilic Pseudomonas aeruginosa san ai with multidegradative capacity. RSC Advances, 2020, 10, 14060-14070.	1.7	68
4	Metabolism of Herbicides and Other Chemicals in Human Cytochrome P450 Species and in Transgenic Potato Plants Co-Expressing Human CYP1A1, CYP2B6 and CYP2C19. Journal of Pesticide Sciences, 2001, 26, 28-40.	0.8	58
5	Herbicide Metabolism and Cross-Tolerance in Transgenic Potato Plants Co-Expressing Human CYP1A1, CYP2B6, and CYP2C19. Pesticide Biochemistry and Physiology, 2000, 66, 116-129.	1.6	51
6	A Major Latex-Like Protein Is a Key Factor in Crop Contamination by Persistent Organic Pollutants Â Â. Plant Physiology, 2013, 161, 2128-2135.	2.3	50
7	Structural basis of species differences between human and experimental animal CYP1A1s in metabolism of 3,3â€²,4,4â€²,5-pentachlorobiphenyl. Journal of Biochemistry, 2011, 149, 487-494.	0.9	47
8	Herbicide Metabolism and Cross-Tolerance in Transgenic Potato Plants Expressing Human CYP1A1. Pesticide Biochemistry and Physiology, 1999, 64, 33-46.	1.6	46
9	Transgenic Rice Containing Human CYP2B6 Detoxifies Various Classes of Herbicides. Journal of Agricultural and Food Chemistry, 2005, 53, 3461-3467.	2.4	43
10	Enhanced herbicide cross-tolerance in transgenic rice plants co-expressing human CYP1A1, CYP2B6, and CYP2C19. Plant Science, 2005, 168, 773-781.	1.7	43
11	Mammalian Cytochrome P450-Dependent Metabolism of Polychlorinated Dibenzo-p-dioxins and Coplanar Polychlorinated Biphenyls. International Journal of Molecular Sciences, 2014, 15, 14044-14057.	1.8	37
12	Metabolism of agrochemicals and related environmental chemicals based on cytochrome P450s in mammals and plants. Pest Management Science, 2015, 71, 824-828.	1.7	37
13	Metabolism of the Herbicide Chlortoluron in Transgenic Tobacco Plants Expressing the Fused Enzyme between Rat Cytochrome P4501A1 and Yeast NADPH-Cytochrome P450 Oxidoreductase. Pesticide Biochemistry and Physiology, 1996, 54, 190-198.	1.6	34
14	Review: Biological functions of major latex-like proteins in plants. Plant Science, 2021, 306, 110856.	1.7	34
15	Herbicide Metabolism and Tolerance in the Transgenic Rice Plants Expressing Human CYP2C9 and CYP2C19. Pesticide Biochemistry and Physiology, 2001, 71, 156-169.	1.6	32
16	Molecular Mechanisms of Herbicide Resistance with Special Emphasis on Cytochrome P450 Monooxygenases.. Plant Biotechnology, 1998, 15, 173-176.	0.5	31
17	Enhancement of metabolizing herbicides in young tubers of transgenic potato plants with the rat CYP1A1 gene. Theoretical and Applied Genetics, 2002, 105, 515-520.	1.8	30
18	Congener Specificity in the Accumulation of Dioxins and Dioxin-Like Compounds in Zucchini Plants Grown Hydroponically. Bioscience, Biotechnology and Biochemistry, 2011, 75, 705-710.	0.6	29

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19	Hormonal regulation and effects of four environmental pollutants on vitellogenin gene transcription in the giant water bFfigug, Lethocerus deyrollei (Hemiptera: Belostomatidae). Journal of Insect Conservation, 2011, 15, 421-431.	0.8	28
20	Distribution of perfluoroalkyl compounds in Osaka Bay and coastal waters of Western Japan. Chemosphere, 2017, 170, 260-265.	4.2	28
21	Aryl hydrocarbon receptor (AhR)-mediated reporter gene expression systems in transgenic tobacco plants. Planta, 2007, 227, 37-45.	1.6	27
22	Expression of Human Cytochromes P450 1A1 and P450 1A2 as Fused Enzymes with Yeast NADPH-cytochrome P450 Oxidoreductase in Transgenic Tobacco Plants. Bioscience, Biotechnology and Biochemistry, 2000, 64, 2025-2033.	0.6	26
23	Uptake mechanisms of polychlorinated biphenyls in Cucurbita pepo via xylem sap containing major latex-like proteins. Environmental and Experimental Botany, 2019, 162, 399-405.	2.0	24
24	Inducible cross-tolerance to herbicides in transgenic potato plants with the rat CYP1A1 gene. Theoretical and Applied Genetics, 2002, 104, 308-314.	1.8	23
25	Structure-selective accumulation of polychlorinated biphenyls in Cucurbita pepo. Journal of Pesticide Sciences, 2011, 36, 363-369.	0.8	23
26	Defluorination of perfluoroalkyl acids is followed by production of monofluorinated fatty acids. Science of the Total Environment, 2018, 636, 355-359.	3.9	23
27	Factors regulating the differential uptake of persistent organic pollutants in cucurbits and non-cucurbits. Journal of Plant Physiology, 2020, 245, 153094.	1.6	21
28	Molecular Characterization of Specifically Active Recombinant Fused Enzymes Consisting of CYP3A4, NADPH-Cytochrome P450 Oxidoreductase, and Cytochrome b5. Biochemistry, 2007, 46, 10213-10221.	1.2	18
29	Recombinant aryl hydrocarbon receptors for bioassay of aryl hydrocarbon receptor ligands in transgenic tobacco plants. Plant Biotechnology Journal, 2009, 7, 119-128.	4.1	17
30	A scFv Antibody-Based Immunoaffinity Chromatography Column for Clean-Up of Bisphenol A-Contaminated Water Samples. Journal of Agricultural and Food Chemistry, 2009, 57, 353-358.	2.4	17
31	Phytomonitoring and Phytoremediation of Agrochemicals and Related Compounds Based on Recombinant Cytochrome P450s and Aryl Hydrocarbon Receptors (AhRs). Journal of Agricultural and Food Chemistry, 2011, 59, 2870-2875.	2.4	16
32	Different uptake pathways between hydrophilic and hydrophobic compounds in lateral roots of <i>Cucurbita pepo</i>. Journal of Pesticide Sciences, 2015, 40, 99-105.	0.8	16
33	From the Cover: Structural Determinants of the Position of 2,3â€²,4,4â€²,5-Pentachlorobiphenyl (CB118) Hydroxylation by Mammalian Cytochrome P450 Monooxygenases. Toxicological Sciences, 2016, 152, 340-348.	1.4	15
34	Molecular mechanisms of herbicide-inducible gene expression of tobacco CYP71AH11 metabolizing the herbicide chlorotoluron. Pesticide Biochemistry and Physiology, 2014, 108, 49-57.	1.6	14
35	How does the Cucurbitaceae family take up organic pollutants (POPs, PAHs, and PPCPs)?. Reviews in Environmental Science and Biotechnology, 2021, 20, 751-779.	3.9	14
36	Overexpression of Arabidopsis thaliana LOV KELCH REPEAT PROTEIN 2 promotes tuberization in potato (Solanum tuberosum cv. May Queen). FEBS Letters, 2010, 584, 2393-2396.	1.3	13

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37	Zinc finger protein genes from Cucurbita pepo are promising tools for conferring non-Cucurbitaceae plants with ability to accumulate persistent organic pollutants. Chemosphere, 2015, 123, 48-54.	4.2	13
38	Molecular insights into the role of a distal F240A mutation that alters CYP1A1 activity towards persistent organic pollutants. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 2852-2860.	1.1	12
39	Enzyme-Linked Immunosorbent Assay with Monoclonal and Single-Chain Variable Fragment Antibodies Selective to Coplanar Polychlorinated Biphenyls. Journal of Agricultural and Food Chemistry, 2012, 60, 1605-1612.	2.4	11
40	Pesticide treatment reduces hydrophobic pollutant contamination in Cucurbita pepo through competitive binding to major latex-like proteins. Environmental Pollution, 2020, 266, 115179.	3.7	11
41	MLP-PG1, a major latex-like protein identified in Cucurbita pepo, confers resistance through the induction of pathogenesis-related genes. Planta, 2022, 255, 10.	1.6	11
42	Enhanced expression of CYP2C9 and tolerance to sulfonylurea herbicides in transgenic rice plants. Plant Biotechnology, 2005, 22, 89-96.	0.5	9
43	Metabolic enhancement of 2,3â€²,4,4â€²,5-pentachlorobiphenyl (CB118) using cytochrome P450 monooxygenase isolated from soil bacterium under the presence of perfluorocarboxylic acids (PFCAs) and the structural basis of its metabolism. Chemosphere, 2018, 210, 376-383.	4.2	9
44	Assays of dioxins and dioxin-like compounds in actually contaminated soils using transgenic tobacco plants carrying a recombinant mouse aryl hydrocarbon receptor-mediated Î²-glucuronidase reporter gene expression system. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2012, 47, 59-65.	0.7	8
45	Assays of PCB congeners and organochlorine insecticides with the transgenicArabidopsisand tobacco plants carrying recombinant guinea pig AhR and GUS reporter genes. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2012, 47, 599-607.	0.7	7
46	Suppression of the genes responsible for transporting hydrophobic pollutants leads to the production of safer crops. Science of the Total Environment, 2020, 741, 140439.	3.9	7
47	High temperatures promote the uptake of hydrophobic pollutants by <i>Cucurbita pepo via</i> altered gene expression levels of major latex-like proteins. Journal of Pesticide Sciences, 2020, 45, 75-80.	0.8	7
48	Effects of biosurfactants on assays of PCB congeners in transgenic arabidopsis plants carrying a recombinant guinea pig AhR-mediated GUS reporter gene expression system. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2010, 45, 750-756.	0.7	6
49	Capillary zone electrophoresis determination of fluoride in seawater using transient isotachophoresis. Analytical and Bioanalytical Chemistry, 2018, 410, 1825-1831.	1.9	6
50	A selectable marker using cytochrome P450 monooxygenases for Arabidopsis transformation. Plant Biotechnology, 2005, 22, 281-286.	0.5	6
51	Cytochrome P450 Monooxygenases Metabolizing Herbicides. Biotechnology and Biotechnological Equipment, 1998, 12, 17-22.	0.5	5
52	Bioassay of estrogenic compounds in transgenic Arabidopsis plants carrying a recombinant human estrogen receptor gene and a GFP reporter gene. Transgenic Research, 2009, 18, 899-909.	1.3	5
53	Effect of amending soil with organic acids on perylene uptake into <i>Cucurbita pepo</i>. Journal of Pesticide Sciences, 2014, 39, 162-164.	0.8	5
54	Genome-wide identification and characterization of major latex-like protein genes responsible for crop contamination in Cucurbita pepo. Molecular Biology Reports, 2022, 49, 7773-7782.	1.0	5

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55	Recombinant human AhR-mediated GUS reporter gene assays for PCB congeners in transgenic tobacco plants in comparison with recombinant mouse and guinea pig AhRs. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2010, 45, 741-749.	0.7	4
56	Transport enhancement of hydrophobic pollutants by the expression of zucchini major latex-like protein genes in tobacco plants. Journal of Plant Physiology, 2021, 263, 153464.	1.6	4
57	Simple monitoring of endocrine-disrupting chemicals using transgenic Arabidopsis plants expressing medaka estrogen receptor. Chemosphere, 2022, 286, 131633.	4.2	4
58	Herbicide Metabolism and Resistance of Transgenic Potato Plants Expressing Rat Cytochrome P4501A1.. Breeding Science, 1998, 48, 135-143.	0.2	4
59	Designed Recombinant Transcription Factor with Antibody-Variable Regions. Analytical Chemistry, 2009, 81, 10162-10166.	3.2	3
60	Assays of dioxins and dioxin-like compounds in actually contaminated soils using transgenic tobacco plants carrying a recombinant mouse aryl hydrocarbon receptor-mediated Î²-glucuronidase reporter gene expression system. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2012, 47, 233-239.	0.7	3
61	Differences in Enantioselective Hydroxylation of 2,2â€²,3,6-Tetrachlorobiphenyl (CB45) and 2,2â€²,3,4â€²,6-Pentachlorobiphenyl (CB91) by Human and Rat CYP2B Subfamilies. Environmental Science & Technology, 2022, 56, 10204-10215.	4.6	2
62	Herbicide Resistant Transgenic Plants Expressing Cytochrome P450 Monooxygenases Metabolizing Xenobiotics. ACS Symposium Series, 2000, , 116-126.	0.5	1
63	Molecular analysis of specificity of anti-nonylphenol polyethoxylate single-chain antibody fragments by grafting and designed point mutations. Molecular Immunology, 2009, 46, 3125-3130.	1.0	1
64	Effects of <i>Arabidopsis</i> Ku80 deletion on the integration of the left border of T-DNA into plant chromosomal DNA via <i>Agrobacterium tumefaciens</i>. Genes and Genetic Systems, 2020, 95, 173-182.	0.2	1
65	Hydroxylation and dechlorination of 3,3â€²,4,4â€²-tetrachlorobiphenyl (CB77) by rat and human CYP1A1s and critical roles of amino acids composing their substrate-binding cavity. Science of the Total Environment, 2022, , 155848.	3.9	1
66	Engineering of Transgenic Plants Expressing Drug-Metabolizing Enzymes for Reduction of Pesticide Residues. Journal of Pesticide Sciences, 2001, 26, 318-326.	0.8	0
67	A20/AN1 zinc-finger proteins positively regulate major latex-like proteins, transporting factors toward dioxin-like compounds in Cucurbita pepo. Chemosphere, 2022, 305, 135536.	4.2	0