

# Hideyuku Inui

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65  
papers

998  
citations

20  
h-index

29  
g-index

68  
ext. papers

1,157  
ext. citations

4.8  
avg. IF

4.17  
L-index

#	Paper	IF	Citations
65	Simple monitoring of endocrine-disrupting chemicals using transgenic Arabidopsis plants expressing medaka estrogen receptor. <i>Chemosphere</i> , <b>2022</b> , 286, 131633	8.4	0
64	Hydroxylation and dechlorination of 3,3',4,4'-tetrachlorobiphenyl (CB77) by rat and human CYP1A1s and critical roles of amino acids composing their substrate-binding cavity.. <i>Science of the Total Environment</i> , <b>2022</b> , 155848	10.2	
63	MLP-PG1, a major latex-like protein identified in Cucurbita pepo, confers resistance through the induction of pathogenesis-related genes. <i>Planta</i> , <b>2021</b> , 255, 10	4.7	1
62	Review: Biological functions of major latex-like proteins in plants. <i>Plant Science</i> , <b>2021</b> , 306, 110856	5.3	5
61	How does the Cucurbitaceae family take up organic pollutants (POPs, PAHs, and PPCPs)?. <i>Reviews in Environmental Science and Biotechnology</i> , <b>2021</b> , 20, 751-779	13.9	1
60	Transport enhancement of hydrophobic pollutants by the expression of zucchini major latex-like protein genes in tobacco plants. <i>Journal of Plant Physiology</i> , <b>2021</b> , 263, 153464	3.6	2
59	Efficient biodegradation of petroleum -alkanes and polycyclic aromatic hydrocarbons by polyextremophilic <i>Saia</i> with multidegradative capacity.. <i>RSC Advances</i> , <b>2020</b> , 10, 14060-14070	3.7	28
58	Effects of Arabidopsis Ku80 deletion on the integration of the left border of T-DNA into plant chromosomal DNA via <i>Agrobacterium tumefaciens</i> . <i>Genes and Genetic Systems</i> , <b>2020</b> , 95, 173-182	1.4	1
57	High temperatures promote the uptake of hydrophobic pollutants by altered gene expression levels of major latex-like proteins. <i>Journal of Pesticide Sciences</i> , <b>2020</b> , 45, 75-80	2.7	4
56	Factors regulating the differential uptake of persistent organic pollutants in cucurbits and non-cucurbits. <i>Journal of Plant Physiology</i> , <b>2020</b> , 245, 153094	3.6	12
55	Suppression of the genes responsible for transporting hydrophobic pollutants leads to the production of safer crops. <i>Science of the Total Environment</i> , <b>2020</b> , 741, 140439	10.2	4
54	Pesticide treatment reduces hydrophobic pollutant contamination in Cucurbita pepo through competitive binding to major latex-like proteins. <i>Environmental Pollution</i> , <b>2020</b> , 266, 115179	9.3	4
53	Uptake mechanisms of polychlorinated biphenyls in Cucurbita pepo via xylem sap containing major latex-like proteins. <i>Environmental and Experimental Botany</i> , <b>2019</b> , 162, 399-405	5.9	12
52	Capillary zone electrophoresis determination of fluoride in seawater using transient isotachopheresis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2018</b> , 410, 1825-1831	4.4	4
51	Defluorination of perfluoroalkyl acids is followed by production of monofluorinated fatty acids. <i>Science of the Total Environment</i> , <b>2018</b> , 636, 355-359	10.2	12
50	Metabolic enhancement of 2,3,4,4',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. <i>Chemosphere</i> , <b>2018</b> , 210, 376-383	8.4	5
49	Distribution of perfluoroalkyl compounds in Osaka Bay and coastal waters of Western Japan. <i>Chemosphere</i> , <b>2017</b> , 170, 260-265	8.4	16

48	Molecular insights into the role of a distal F240A mutation that alters CYP1A1 activity towards persistent organic pollutants. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2017</b> , 1861, 2852-2860	4	11
47	From the Cover: Structural Determinants of the Position of 2,3,4,4',5-Pentachlorobiphenyl (CB118) Hydroxylation by Mammalian Cytochrome P450 Monooxygenases. <i>Toxicological Sciences</i> , <b>2016</b> , 152, 340-344	4.4	11
46	Different uptake pathways between hydrophilic and hydrophobic compounds in lateral roots of Cucurbita pepo. <i>Journal of Pesticide Sciences</i> , <b>2015</b> , 40, 99-105	2.7	10
45	Zinc finger protein genes from Cucurbita pepo are promising tools for conferring non-Cucurbitaceae plants with ability to accumulate persistent organic pollutants. <i>Chemosphere</i> , <b>2015</b> , 123, 48-54	8.4	12
44	Metabolism of agrochemicals and related environmental chemicals based on cytochrome P450s in mammals and plants. <i>Pest Management Science</i> , <b>2015</b> , 71, 824-8	4.6	20
43	Molecular mechanisms of herbicide-inducible gene expression of tobacco CYP71AH11 metabolizing the herbicide chlorotoluron. <i>Pesticide Biochemistry and Physiology</i> , <b>2014</b> , 108, 49-57	4.9	11
42	Mammalian cytochrome P450-dependent metabolism of polychlorinated dibenzo-p-dioxins and coplanar polychlorinated biphenyls. <i>International Journal of Molecular Sciences</i> , <b>2014</b> , 15, 14044-57	6.3	28
41	Effect of amending soil with organic acids on perylene uptake into Cucurbita pepo. <i>Journal of Pesticide Sciences</i> , <b>2014</b> , 39, 162-164	2.7	3
40	A major latex-like protein is a key factor in crop contamination by persistent organic pollutants. <i>Plant Physiology</i> , <b>2013</b> , 161, 2128-35	6.6	39
39	Assays of dioxins and dioxin-like compounds in actually contaminated soils using transgenic tobacco plants carrying a recombinant mouse aryl hydrocarbon receptor-mediated $\beta$ -glucuronidase reporter gene expression system. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2012</b> , 47, 599-607	2.2	1
38	Assays of dioxins and dioxin-like compounds in actually contaminated soils using transgenic tobacco plants carrying a recombinant mouse aryl hydrocarbon receptor-mediated $\beta$ -glucuronidase reporter gene expression system. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2012</b> , 47, 599-607	2.2	7
37	Enzyme-linked immunosorbent assay with monoclonal and single-chain variable fragment antibodies selective to coplanar polychlorinated biphenyls. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 1605-12	5.7	8
36	Assays of PCB congeners and organochlorine insecticides with the transgenic Arabidopsis and tobacco plants carrying recombinant guinea pig AhR and GUS reporter genes. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2012</b> , 47, 599-607	2.2	7
35	Hormonal regulation and effects of four environmental pollutants on vitellogenin gene transcription in the giant water bug, <i>Lethocerus deyrollei</i> (Hemiptera: Belostomatidae). <i>Journal of Insect Conservation</i> , <b>2011</b> , 15, 421-431	2.1	18
34	Congener specificity in the accumulation of dioxins and dioxin-like compounds in zucchini plants grown hydroponically. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2011</b> , 75, 705-10	2.1	24
33	Phytomonitoring and phytoremediation of agrochemicals and related compounds based on recombinant cytochrome P450s and aryl hydrocarbon receptors (AhRs). <i>Journal of Agricultural and Food Chemistry</i> , <b>2011</b> , 59, 2870-5	5.7	16
32	Structural basis of species differences between human and experimental animal CYP1A1s in metabolism of 2,3,4,4',5-pentachlorobiphenyl. <i>Journal of Biochemistry</i> , <b>2011</b> , 149, 487-94	3.1	34
31	Structure-selective accumulation of polychlorinated biphenyls in Cucurbita pepo. <i>Journal of Pesticide Sciences</i> , <b>2011</b> , 36, 363-369	2.7	20

30	Effects of biosurfactants on assays of PCB congeners in transgenic arabidopsis plants carrying a recombinant guinea pig AhR-mediated GUS reporter gene expression system. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2010</b> , 45, 772-9	2.2	6
29	Recombinant human AhR-mediated GUS reporter gene assays for PCB congeners in transgenic tobacco plants in comparison with recombinant mouse and guinea pig AhRs. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , <b>2010</b> , 45, 741-9	2.2	4
28	Overexpression of Arabidopsis thaliana LOV KELCH REPEAT PROTEIN 2 promotes tuberization in potato ( <i>Solanum tuberosum</i> cv. May Queen). <i>FEBS Letters</i> , <b>2010</b> , 584, 2393-6	3.8	13
27	Bioassay of estrogenic compounds in transgenic Arabidopsis plants carrying a recombinant human estrogen receptor gene and a GFP reporter gene. <i>Transgenic Research</i> , <b>2009</b> , 18, 899-909	3.3	4
26	Recombinant aryl hydrocarbon receptors for bioassay of aryl hydrocarbon receptor ligands in transgenic tobacco plants. <i>Plant Biotechnology Journal</i> , <b>2009</b> , 7, 119-28	11.6	16
25	A scFv antibody-based immunoaffinity chromatography column for clean-up of bisphenol A-contaminated water samples. <i>Journal of Agricultural and Food Chemistry</i> , <b>2009</b> , 57, 353-8	5.7	16
24	Molecular analysis of specificity of anti-nonylphenol polyethoxylate single-chain antibody fragments by grafting and designed point mutations. <i>Molecular Immunology</i> , <b>2009</b> , 46, 3125-30	4.3	1
23	Designed recombinant transcription factor with antibody-variable regions. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 10162-6	7.8	2
22	Differential uptake for dioxin-like compounds by zucchini subspecies. <i>Chemosphere</i> , <b>2008</b> , 73, 1602-7	8.4	71
21	Molecular characterization of specifically active recombinant fused enzymes consisting of CYP3A4, NADPH-cytochrome P450 oxidoreductase, and cytochrome b5. <i>Biochemistry</i> , <b>2007</b> , 46, 10213-21	3.2	16
20	Aryl hydrocarbon receptor (AhR)-mediated reporter gene expression systems in transgenic tobacco plants. <i>Planta</i> , <b>2007</b> , 227, 37-45	4.7	22
19	Transgenic rice containing human CYP2B6 detoxifies various classes of herbicides. <i>Journal of Agricultural and Food Chemistry</i> , <b>2005</b> , 53, 3461-7	5.7	38
18	Enhanced herbicide cross-tolerance in transgenic rice plants co-expressing human CYP1A1, CYP2B6, and CYP2C19. <i>Plant Science</i> , <b>2005</b> , 168, 773-781	5.3	36
17	Herbicide resistance in transgenic plants with mammalian P450 monooxygenase genes. <i>Pest Management Science</i> , <b>2005</b> , 61, 286-91	4.6	60
16	Enhanced expression of CYP2C9 and tolerance to sulfonylurea herbicides in transgenic rice plants. <i>Plant Biotechnology</i> , <b>2005</b> , 22, 89-96	1.3	8
15	A selectable marker using cytochrome P450 monooxygenases for Arabidopsis transformation. <i>Plant Biotechnology</i> , <b>2005</b> , 22, 281-286	1.3	6
14	Enhancement of metabolizing herbicides in young tubers of transgenic potato plants with the rat CYP1A1 gene. <i>Theoretical and Applied Genetics</i> , <b>2002</b> , 105, 515-520	6	29
13	Inducible cross-tolerance to herbicides in transgenic potato plants with the rat CYP1A1 gene. <i>Theoretical and Applied Genetics</i> , <b>2002</b> , 104, 308-314	6	19

12	Herbicide Metabolism and Tolerance in the Transgenic Rice Plants Expressing Human CYP2C9 and CYP2C19. <i>Pesticide Biochemistry and Physiology</i> , <b>2001</b> , 71, 156-169	4.9	28
11	Metabolism of Herbicides and Other Chemicals in Human Cytochrome P450 Species and in Transgenic Potato Plants Co-Expressing Human CYP1A1, CYP2B6 and CYP2C19. <i>Journal of Pesticide Sciences</i> , <b>2001</b> , 26, 28-40	2.7	53
10	Engineering of Transgenic Plants Expressing Drug-Metabolizing Enzymes for Reduction of Pesticide Residues. <i>Journal of Pesticide Sciences</i> , <b>2001</b> , 26, 318-326	2.7	
9	Herbicide Resistant Transgenic Plants Expressing Cytochrome P450 Monooxygenases Metabolizing Xenobiotics. <i>ACS Symposium Series</i> , <b>2000</b> , 116-126	0.4	1
8	Herbicide Metabolism and Cross-Tolerance in Transgenic Potato Plants Co-Expressing Human CYP1A1, CYP2B6, and CYP2C19. <i>Pesticide Biochemistry and Physiology</i> , <b>2000</b> , 66, 116-129	4.9	41
7	Expression of human cytochromes P450 1A1 and P450 1A2 as fused enzymes with yeast NADPH-cytochrome P450 oxidoreductase in transgenic tobacco plants. <i>Bioscience, Biotechnology and Biochemistry</i> , <b>2000</b> , 64, 2025-33	2.1	24
6	Herbicide Metabolism and Cross-Tolerance in Transgenic Potato Plants Expressing Human CYP1A1. <i>Pesticide Biochemistry and Physiology</i> , <b>1999</b> , 64, 33-46	4.9	38
5	Cytochrome P450 Monooxygenases Metabolizing Herbicides. <i>Biotechnology and Biotechnological Equipment</i> , <b>1998</b> , 12, 17-22	1.6	3
4	Molecular Mechanisms of Herbicide Resistance with Special Emphasis on Cytochrome P450 Monooxygenases.. <i>Plant Biotechnology</i> , <b>1998</b> , 15, 173-176	1.3	25
3	Herbicide Metabolism and Resistance of Transgenic Potato Plants Expressing Rat Cytochrome P4501A1.. <i>Breeding Science</i> , <b>1998</b> , 48, 135-143		
2	Metabolism of the Herbicide Chlortoluron in Transgenic Tobacco Plants Expressing the Fused Enzyme between Rat Cytochrome P4501A1 and Yeast NADPH-Cytochrome P450 Oxidoreductase. <i>Pesticide Biochemistry and Physiology</i> , <b>1996</b> , 54, 190-198	4.9	26
1	Bioassay for Persistent Organic Pollutants in Transgenic Plants with Ah Receptor and GUS Reporter Genes	431-438	