

Hideo Ohkawa

List of Publications by Year in descending order

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128
papers

4,181
citations

94269

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138251

58
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128
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128
docs citations

128
times ranked

1847
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Expression of Rat Liver Cytochrome P-450MC cDNA in <i>Saccharomyces cerevisiae</i> . DNA and Cell Biology, 1985, 4, 203-210. | 5.1 | 239 |
| 2 | Production of tropane alkaloids by hairy root cultures of <i>Duboisia leichhardtii</i> transformed by <i>Agrobacterium rhizogenes</i> . Plant Science, 1989, 59, 191-201. | 1.7 | 154 |
| 3 | Nucleotide sequence of a full-length cDNA coding for 3-methylcholanthrene-induced rat liver cytochrome P-450MC. Nucleic Acids Research, 1984, 12, 2929-2938. | 6.5 | 140 |
| 4 | A Genetically Engineered P450 Monooxygenase: Construction of the Functional Fused Enzyme between Rat Cytochrome P450c and NADPH-Cytochrome P450 Reductase. DNA and Cell Biology, 1987, 6, 189-197. | 5.1 | 116 |
| 5 | Production of tropane alkaloids by hairy root cultures of <i>Scopolia japonica</i> . Agricultural and Biological Chemistry, 1986, 50, 2715-2722. | 0.3 | 108 |
| 6 | Phytoremediation of the Herbicides Atrazine and Metolachlor by Transgenic Rice Plants Expressing Human CYP1A1, CYP2B6, and CYP2C19. Journal of Agricultural and Food Chemistry, 2006, 54, 2985-2991. | 2.4 | 97 |
| 7 | Enzymatic mechanisms and toxicological significance of hydrogen cyanide liberation from various organothiocyanates and organonitriles in mice and houseflies. Pesticide Biochemistry and Physiology, 1972, 2, 95-112. | 1.6 | 90 |
| 8 | Expression of Bovine Cytochrome P450c21 and Its Fused Enzymes with Yeast NADPH-Cytochrome P450 Reductase in <i>Saccharomyces cerevisiae</i> . DNA and Cell Biology, 1990, 9, 603-614. | 0.9 | 89 |
| 9 | Primary Structure of <i>Saccharomyces cerevisiae</i> NADPH-Cytochrome P450 Reductase Deduced from Nucleotide Sequence of Its Cloned Gene1. Journal of Biochemistry, 1988, 103, 1004-1010. | 0.9 | 87 |
| 10 | Regeneration of horseradish hairy roots incited by <i>Agrobacterium rhizogenes</i> infection. Plant Cell Reports, 1987, 6, 283-286. | 2.8 | 86 |
| 11 | Kinetic Studies on a Genetically Engineered Fused Enzyme between Rat Cytochrome P4501A1 and Yeast NADPH-P450 Reductase. Biochemistry, 1994, 33, 4933-4939. | 1.2 | 82 |
| 12 | Expression of Rat NADPH-Cytochrome P-450 Reductase cDNA in <i>Saccharomyces cerevisiae</i> . DNA and Cell Biology, 1986, 5, 1-10. | 5.1 | 77 |
| 13 | Genetically Engineered P450 Monooxygenases: Construction of Bovine P450c17/Yeast Reductase Fused Enzymes. DNA and Cell Biology, 1990, 9, 27-36. | 0.9 | 70 |
| 14 | Expression in <i>Saccharomyces cerevisiae</i> of Chimeric Cytochrome P450 cDNAs Constructed from cDNAs for Rat Cytochrome P450c and P450d. DNA and Cell Biology, 1987, 6, 31-39. | 5.1 | 68 |
| 15 | Herbicide resistance in transgenic plants with mammalian P450 monooxygenase genes. Pest Management Science, 2005, 61, 286-291. | 1.7 | 68 |
| 16 | Expression of Cloned Yeast NADPH-Cytochrome P450 Reductase Gene in <i>Saccharomyces cerevisiae</i> 1. Journal of Biochemistry, 1990, 108, 859-865. | 0.9 | 67 |
| 17 | Sulfoxidation of thiocarbamate herbicides and metabolism of thiocarbamate sulfoxides in living mice and liver enzyme systems. Pesticide Biochemistry and Physiology, 1975, 5, 1-11. | 1.6 | 65 |
| 18 | Genetically Engineered Modification of P450 Monooxygenases: Functional Analysis of the Amino-Terminal Hydrophobic Region and Hinge Region of the P450/Reductase Fused Enzyme. DNA and Cell Biology, 1988, 7, 701-711. | 5.1 | 65 |

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|----|--|-----|-----------|
| 19 | Herbicide resistance of transgenic rice plants expressing human CYP1A1. <i>Biotechnology Advances</i> , 2007, 25, 75-84. | 6.0 | 61 |
| 20 | Expression of Bovine Cytochrome P450c17 cDNA in <i>Saccharomyces cerevisiae</i> . <i>DNA and Cell Biology</i> , 1989, 8, 409-418. | 5.1 | 60 |
| 21 | Nucleotide sequence of the insecticidal protein gene of <i>Bacillus thuringiensis</i> strain aizawai IPL7 and its high-level expression in <i>Escherichia coli</i> . <i>Gene</i> , 1987, 53, 113-119. | 1.0 | 58 |
| 22 | CYP78A1 Preferentially Expressed in Developing Inflorescences of <i>Zea mays</i> Encoded a Cytochrome P450-Dependent Lauric Acid 12-Monooxygenase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2000, 64, 1696-1701. | 0.6 | 58 |
| 23 | 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> , 2001, 26, 28-40. | 0.8 | 58 |
| 24 | Metabolism of Fenvalerate (Sumicidin [®]) in Rats. <i>Journal of Pesticide Sciences</i> , 1979, 4, 143-155. | 0.8 | 55 |
| 25 | Molecular Cloning of Novel Cytochrome P450 Species Induced by Chemical Treatments in Cultured Tobacco Cells. <i>Pesticide Biochemistry and Physiology</i> , 2000, 68, 11-25. | 1.6 | 55 |
| 26 | Comparison of inhibitory activity of various organophosphorus compounds against acetylcholinesterase and neurotoxic esterase of hens with respect to delayed neurotoxicity. <i>Biochemical Pharmacology</i> , 1980, 29, 2721-2727. | 2.0 | 51 |
| 27 | Molecular Cloning and Sequence Analysis of Full-Length cDNA for Rabbit Liver NADPH-Cytochrome P-450 Reductase mRNA1. <i>Journal of Biochemistry</i> , 1986, 100, 945-954. | 0.9 | 51 |
| 28 | Herbicide Metabolism and Cross-Tolerance in Transgenic Potato Plants Co-Expressing Human CYP1A1, CYP2B6, and CYP2C19. <i>Pesticide Biochemistry and Physiology</i> , 2000, 66, 116-129. | 1.6 | 51 |
| 29 | Herbicide Metabolism and Cross-Tolerance in Transgenic Potato Plants Expressing Human CYP1A1. <i>Pesticide Biochemistry and Physiology</i> , 1999, 64, 33-46. | 1.6 | 46 |
| 30 | Characterization of Rat Cytochrome P-450MC Synthesized in <i>Saccharomyces cerevisiae</i> 1. <i>Journal of Biochemistry</i> , 1985, 98, 167-175. | 0.9 | 44 |
| 31 | Organization and characterization of the virCD genes from <i>Agrobacterium rhizogenes</i> . <i>Molecular Genetics and Genomics</i> , 1988, 213, 229-237. | 2.4 | 44 |
| 32 | The use of cytochrome P450 genes to introduce herbicide tolerance in crops: a review. <i>Pest Management Science</i> , 1999, 55, 867-874. | 0.7 | 43 |
| 33 | Transgenic Rice Containing Human CYP2B6 Detoxifies Various Classes of Herbicides. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 3461-3467. | 2.4 | 43 |
| 34 | Enhanced herbicide cross-tolerance in transgenic rice plants co-expressing human CYP1A1, CYP2B6, and CYP2C19. <i>Plant Science</i> , 2005, 168, 773-781. | 1.7 | 43 |
| 35 | Bioaccumulation and Biodegradation of the (S)-Acid Isomer of Fenvalerate (Sumicidin [®]) in an Aquatic Model Ecosystem. <i>Journal of Pesticide Sciences</i> , 1980, 5, 11-22. | 0.8 | 41 |
| 36 | Transgenic Rice Plants Expressing Human CYP1A1 Remediate the Triazine Herbicides Atrazine and Simazine. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 8557-8564. | 2.4 | 41 |

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|----|--|-----|-----------|
| 37 | Transgenic Rice Plants Expressing Human P450 Genes Involved in Xenobiotic Metabolism for Phytoremediation. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2008, 15, 212-219. | 1.0 | 39 |
| 38 | Infection of turnip and radish storage roots with <i>Agrobacterium rhizogenes</i> . <i>Plant Cell Reports</i> , 1985, 4, 74-77. | 2.8 | 38 |
| 39 | Expression of rat liver vitamin D325-hydroxylase cDNA in <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 1991, 280, 367-370. | 1.3 | 37 |
| 40 | Metabolism of agrochemicals and related environmental chemicals based on cytochrome P450s in mammals and plants. <i>Pest Management Science</i> , 2015, 71, 824-828. | 1.7 | 37 |
| 41 | Transgenic rice plants expressing human CYP1A1 exude herbicide metabolites from their roots. <i>Plant Science</i> , 2003, 165, 373-381. | 1.7 | 36 |
| 42 | Immobilization of P450 monooxygenase and chloroplast for use in light-driven bioreactors. <i>Journal of Bioscience and Bioengineering</i> , 1999, 87, 793-797. | 1.1 | 35 |
| 43 | 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> , 1996, 54, 190-198. | 1.6 | 34 |
| 44 | A General Method To Select Antibody Fragments Suitable for Noncompetitive Detection of Monovalent Antigens. <i>Analytical Chemistry</i> , 2003, 75, 4057-4064. | 3.2 | 34 |
| 45 | Continuous production of scopolamine by a culture of <i>Duboisia leichhardtii</i> hairy root clone in a bioreactor system. <i>Applied Microbiology and Biotechnology</i> , 1993, 40, 219. | 1.7 | 32 |
| 46 | Herbicide Metabolism and Tolerance in the Transgenic Rice Plants Expressing Human CYP2C9 and CYP2C19. <i>Pesticide Biochemistry and Physiology</i> , 2001, 71, 156-169. | 1.6 | 32 |
| 47 | Stereospecificity in toxicity of the optical isomers of EPN. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1977, 18, 534-540. | 1.3 | 31 |
| 48 | Molecular Mechanisms of Herbicide Resistance with Special Emphasis on Cytochrome P450 Monooxygenases.. <i>Plant Biotechnology</i> , 1998, 15, 173-176. | 0.5 | 31 |
| 49 | Engineering and biochemical characterization of the rat microsomal cytochrome P4501A1 fused to ferredoxin and ferredoxinâ€NADP+ reductase from plant chloroplasts. <i>BBA - Proteins and Proteomics</i> , 1999, 1433, 87-102. | 2.1 | 31 |
| 50 | Expression of Bovine Adrenodoxin and NADPH-Adrenodoxin Reductase cDNAs in <i>Saccharomyces cerevisiae</i> . <i>DNA and Cell Biology</i> , 1991, 10, 613-621. | 0.9 | 30 |
| 51 | Phytoremediation of Metolachlor by Transgenic Rice Plants Expressing Human CYP2B6. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 9155-9160. | 2.4 | 30 |
| 52 | Comparative Metabolism of Fenvalerate and the [2S, 1±S]-Isomer in Rats and Mice. <i>Journal of Pesticide Sciences</i> , 1981, 6, 317-326. | 0.8 | 30 |
| 53 | Scopolamine release into media by <i>Duboisia leichhardtii</i> hairy root clones. <i>Applied Microbiology and Biotechnology</i> , 1992, 37, 554. | 1.7 | 29 |
| 54 | Bioconversion using immobilized recombinant flocculent yeast cells carrying a fused enzyme gene in an 'intelligent' bioreactor. <i>Biochemical Engineering Journal</i> , 1998, 2, 229-235. | 1.8 | 29 |

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|----|--|-----|-----------|
| 55 | Stereoselectivity in metabolism of the optical isomers of cyanofenphos (O-p-cyanophenyl O-ethyl) Tj ETQq1 1 0.784314 rgBT /Overlook 41, 369-376. | 0.3 | 28 |
| 56 | Characterization of Three Forms of Cytochrome P-450 Isolated from Liver Microsomes of Rats Treated with 3-Methylcholanthrene1. Journal of Biochemistry, 1984, 96, 117-126. | 0.9 | 28 |
| 57 | Electrostatic Interaction between Cytochrome P450 and NADPH-P450 Reductase: Comparison of Mixed and Fused Systems Consisting of Rat Cytochrome P450 1A1 and Yeast NADPH-P450 Reductase. Biochemical and Biophysical Research Communications, 1999, 257, 273-278. | 1.0 | 28 |
| 58 | Aryl hydrocarbon receptor (AhR)-mediated reporter gene expression systems in transgenic tobacco plants. Planta, 2007, 227, 37-45. | 1.6 | 27 |
| 59 | 5-epi-Aristolochene 3-hydroxylase from green pepper. Phytochemistry, 1995, 38, 609-613. | 1.4 | 26 |
| 60 | 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 |
| 61 | Stereoselectivity of Organophosphorus Insecticides. , 1982, , 163-185. | | 25 |
| 62 | A monoclonal antibody-based ELISA for the analysis of the insecticide flucythrinate in environmental and crop samples. Pest Management Science, 2001, 57, 269-277. | 1.7 | 25 |
| 63 | Monoxygenase Activity of Saccharomyces cerevisiae Cells Transformed with Expression Plasmids Carrying Rat Cytochrome P-450MC cDNA1. Journal of Biochemistry, 1986, 99, 741-749. | 0.9 | 24 |
| 64 | Development of an in situ toxicity assay system using recombinant baculoviruses. Biochemical Pharmacology, 1996, 51, 503-515. | 2.0 | 24 |
| 65 | Phytotoxicity and metabolism of ethofumesate in transgenic rice plants expressing the human CYP2B6 gene. Pesticide Biochemistry and Physiology, 2002, 74, 139-147. | 1.6 | 24 |
| 66 | Molecular and Immunochemical Characteristics of Monoclonal and Recombinant Antibodies Specific to Bisphenol A. Bioscience, Biotechnology and Biochemistry, 2003, 67, 1358-1367. | 0.6 | 24 |
| 67 | Inhibitory Effects of Vitamin A and Vitamin K on Rat Cytochrome P4501A1-Dependent Monoxygenase Activity. Biochemical and Biophysical Research Communications, 1999, 262, 565-569. | 1.0 | 22 |
| 68 | A novel ISFET-type biosensor based on P450 monoxygenases. Biosensors and Bioelectronics, 2002, 17, 173-179. | 5.3 | 22 |
| 69 | Analysis of Substrate Specificity of Pig CYP2B22 and CYP2C49 towards Herbicides by Transgenic Rice Plants. Transgenic Research, 2005, 14, 907-917. | 1.3 | 22 |
| 70 | Rotation and interactions of genetically expressed cytochrome P-450IA1 and NADPH-cytochrome P-450 reductase in yeast microsomes. Biochemistry, 1991, 30, 8347-8351. | 1.2 | 21 |
| 71 | Encoding of a Cytochrome P450-Dependent Lauric Acid Monoxygenase by CYP703A1 Specifically Expressed in the Floral Buds of Petunia hybrida. Bioscience, Biotechnology and Biochemistry, 1999, 63, 2082-2090. | 0.6 | 21 |
| 72 | Molecular and Immunochemical Characteristics of Monoclonal and Recombinant Antibodies Selective for the Triazine Herbicide Simetryn and Application to Environmental Analysis. Journal of Agricultural and Food Chemistry, 2005, 53, 5096-5104. | 2.4 | 21 |

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|----|---|-----|-----------|
| 73 | Regeneration of NADPH by cactus chloroplasts: Coupling reaction with P450 monooxygenase. <i>Journal of Bioscience and Bioengineering</i> , 1997, 84, 324-329. | 0.9 | 19 |
| 74 | CYP92B1, A Cytochrome P450, Expressed in <i>Petunia</i> Flower Buds, That Catalyzes Monooxidation of Long-Chain Fatty Acids. <i>Bioscience, Biotechnology and Biochemistry</i> , 2002, 66, 1819-1828. | 0.6 | 19 |
| 75 | Insecticidal Activity and Processing in Larval Gut Juices of Genetically Engineered 130-kDa Proteins of <i>Bacillus thuringiensis</i> subsp. <i>aizawai</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 1992, 56, 1-7. | 0.6 | 18 |
| 76 | Biphasic kinetic behavior of rat cytochrome P-4501A1-dependent monooxygenation in recombinant yeast microsomes. <i>BBA - Proteins and Proteomics</i> , 2000, 1481, 265-272. | 2.1 | 18 |
| 77 | Molecular Characterization of Specifically Active Recombinant Fused Enzymes Consisting of CYP3A4, NADPH-Cytochrome P450 Oxidoreductase, and Cytochrome b5. <i>Biochemistry</i> , 2007, 46, 10213-10221. | 1.2 | 18 |
| 78 | Tissue-specific expression of rice CYP72A21 induced by auxins and herbicides. <i>Plant Biotechnology Reports</i> , 2007, 1, 27-36. | 0.9 | 17 |
| 79 | Recombinant aryl hydrocarbon receptors for bioassay of aryl hydrocarbon receptor ligands in transgenic tobacco plants. <i>Plant Biotechnology Journal</i> , 2009, 7, 119-128. | 4.1 | 17 |
| 80 | A scFv Antibody-Based Immunoaffinity Chromatography Column for Clean-Up of Bisphenol A-Contaminated Water Samples. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 353-358. | 2.4 | 17 |
| 81 | Anti-herbicide single-chain antibody expression confers herbicide tolerance in transgenic plants. <i>FEBS Letters</i> , 2003, 550, 179-184. | 1.3 | 16 |
| 82 | 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> , 2011, 59, 2870-2875. | 2.4 | 16 |
| 83 | Characterization of Complementary DNA Clones Coding for Two Forms of 3-Methylcholanthrene-Inducible Rat Liver Cytochrome P-4501. <i>Journal of Biochemistry</i> , 1984, 96, 793-804. | 0.9 | 15 |
| 84 | Preparation and Characterization of Monoclonal and Recombinant Antibodies Specific to the Insecticide Malathion. <i>Journal of Pesticide Sciences</i> , 2003, 28, 301-309. | 0.8 | 15 |
| 85 | Polyclonal and monoclonal antibodies specific to the chrysanthemic acid moiety of pyrethroid insecticides. <i>Pest Management Science</i> , 1998, 54, 189-194. | 0.7 | 14 |
| 86 | Molecular mechanisms of herbicide-inducible gene expression of tobacco CYP71AH11 metabolizing the herbicide chlorotoluron. <i>Pesticide Biochemistry and Physiology</i> , 2014, 108, 49-57. | 1.6 | 14 |
| 87 | Cytochrome P450 Biodiversity and Plant Protection. <i>Journal of Pesticide Sciences</i> , 1999, 24, 197-203. | 0.8 | 14 |
| 88 | Effectiveness of Polyclonal and Monoclonal Antibodies Prepared for an Immunoassay of the Etofenprox Insecticide. <i>Bioscience, Biotechnology and Biochemistry</i> , 1998, 62, 1001-1004. | 0.6 | 13 |
| 89 | Synthesis of 2-methylthio-4H-1,3,2-benzodioxaphosphorin-2-oxide by thiono-thiol conversion and its use as phosphorylating agent. <i>Tetrahedron Letters</i> , 1971, 12, 4263-4266. | 0.7 | 11 |
| 90 | Characteristics of Scopolamine-releasing Hairy Root Clones of <i>Duboisia leichhardtii</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 1993, 57, 1398-1399. | 0.6 | 11 |

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|-----|--|-----|-----------|
| 91 | Photo-induced activation of cytochrome P450/reductase fusion enzyme coupled with spinach chloroplasts. <i>Biotechnology Letters</i> , 1996, 10, 717. | 0.5 | 11 |
| 92 | 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> , 2012, 60, 1605-1612. | 2.4 | 11 |
| 93 | Cloning and expression in <i>Escherichia coli</i> and <i>Saccharomyces cerevisiae</i> of a novel tobacco cytochrome P-450-like cDNA. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1996, 1308, 231-240. | 2.4 | 9 |
| 94 | Polyclonal and monoclonal antibodies for the specific detection of the herbicide acifluorfen and related compounds. <i>Pest Management Science</i> , 1997, 51, 49-55. | 0.7 | 9 |
| 95 | Enhanced expression of CYP2C9 and tolerance to sulfonylurea herbicides in transgenic rice plants. <i>Plant Biotechnology</i> , 2005, 22, 89-96. | 0.5 | 9 |
| 96 | Stereoselectivity in toxicity and acetylcholinesterase inhibition by the optical isomers of Papthion and Papoxon.. <i>Agricultural and Biological Chemistry</i> , 1976, 40, 1857-1861. | 0.3 | 8 |
| 97 | Stereospecific metabolism of O-ethyl O-2-nitro-5-methylphenyl N-isopropyl phosphoramidothioate (S-2571) by liver microsomal mixed function oxidase.. <i>Agricultural and Biological Chemistry</i> , 1976, 40, 2125-2127. | 0.3 | 8 |
| 98 | Purification and immunochemical characteristics of NADPH-cytochrome P-450 oxidoreductase from tobacco cultured cells. <i>BBA - Proteins and Proteomics</i> , 1995, 1246, 53-60. | 2.1 | 8 |
| 99 | Cloning, Expression in Yeast, and Functional Characterization of CYP76A4, a Novel Cytochrome P450 of <i>Petunia</i> That Catalyzes (1 α)-Hydroxylation of Lauric Acid. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005, 69, 406-409. | 0.6 | 8 |
| 100 | Assays of dioxins and dioxin-like compounds in actually contaminated soils using transgenic tobacco plants carrying a recombinant mouse aryl hydrocarbon receptor-mediated β -glucuronidase reporter gene expression system. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2012, 47, 59-65. | 0.7 | 8 |
| 101 | Reactivation and aging of .ALPHA.-chymotrypsin inhibited by the chiral isomers of EPN-oxon and saligenin cyclic phosphoryl compounds.. <i>Agricultural and Biological Chemistry</i> , 1978, 42, 1745-1751. | 0.3 | 7 |
| 102 | Metabolism of the optical isomers of cyanofenphos in rice stem borer larvae.. <i>Agricultural and Biological Chemistry</i> , 1978, 42, 445-450. | 0.3 | 7 |
| 103 | Molecular Cloning and Expression in <i>Saccharomyces cerevisiae</i> of Tobacco NADPH-Cytochrome P450 Oxidoreductase cDNA. <i>Bioscience, Biotechnology and Biochemistry</i> , 1998, 62, 1403-1411. | 0.6 | 7 |
| 104 | Dynamic Mobility of Genetically Expressed Fusion Protein between Cytochrome P4501A1 and NADPH-Cytochrome P450 Reductase in Yeast Microsomes. <i>Biochemistry</i> , 1999, 38, 9465-9470. | 1.2 | 7 |
| 105 | Assays of PCB congeners and organochlorine insecticides with the transgenic <i>Arabidopsis</i> 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> , 2012, 47, 599-607. | 0.7 | 7 |
| 106 | Effects of biosurfactants on assays of PCB congeners in transgenic <i>Arabidopsis</i> 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> , 2010, 45, 750-756. | 0.7 | 6 |
| 107 | A selectable marker using cytochrome P450 monooxygenases for <i>Arabidopsis</i> transformation. <i>Plant Biotechnology</i> , 2005, 22, 281-286. | 0.5 | 6 |
| 108 | Alkylation of Mercaptans and Inhibition of -SH Enzymes™ by Saligenin Cyclic Phosphate and Phosphorothiolate Esters. <i>Agricultural and Biological Chemistry</i> , 1969, 33, 443-451. | 0.3 | 5 |

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|-----|--|-----|-----------|
| 109 | Hydroxylation Reactions by Recombinant Yeast Cells Expressing P450 Monooxygenases. <i>Annals of the New York Academy of Sciences</i> , 1990, 613, 37-43. | 1.8 | 5 |
| 110 | Purified Fusion Enzyme between Rat Cytochrome P4501A1 and Yeast NADPH-Cytochrome P450 Oxidoreductase. <i>Bioscience, Biotechnology and Biochemistry</i> , 1999, 63, 21-28. | 0.6 | 5 |
| 111 | Effects of Methanol and Temperature on Enzyme Immunoassay with Monoclonal Antibodies Specific to the Insecticide Etofenprox. <i>Bioscience, Biotechnology and Biochemistry</i> , 1999, 63, 1988-1990. | 0.6 | 5 |
| 112 | Broad range of herbicide tolerance of glutinous upland rice variety 'Yumenohatamochi' carrying human cytochrome P450 genes. <i>Plant Biotechnology</i> , 2006, 23, 227-231. | 0.5 | 5 |
| 113 | Bioassay of estrogenic compounds in transgenic <i>Arabidopsis</i> plants carrying a recombinant human estrogen receptor gene and a GFP reporter gene. <i>Transgenic Research</i> , 2009, 18, 899-909. | 1.3 | 5 |
| 114 | Stereospecificity in Oxidation of the Optical Isomers of <i>O</i> -Ethyl <i>O</i> -2-Nitro-5-Methylphenyl <i>N</i> -Isopropyl Phosphoramidothioate (S-2571) by Liver Mixed Function Oxidase and UV Light. <i>Journal of Pesticide Sciences</i> , 1977, 2, 119-126. | 0.8 | 5 |
| 115 | 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> , 2010, 45, 741-749. | 0.7 | 4 |
| 116 | Simple monitoring of endocrine-disrupting chemicals using transgenic <i>Arabidopsis</i> plants expressing medaka estrogen receptor. <i>Chemosphere</i> , 2022, 286, 131633. | 4.2 | 4 |
| 117 | Assays of polychlorinated biphenyl congeners and co-contaminated heavy metals in the transgenic <i>Arabidopsis</i> plants carrying the recombinant guinea pig aryl hydrocarbon receptor-mediated β -glucuronidase reporter gene expression system. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2012, 47, 925-932. | 0.7 | 3 |
| 118 | Assays of dioxins and dioxin-like compounds in actually contaminated soils using transgenic tobacco plants carrying a recombinant mouse aryl hydrocarbon receptor-mediated β -glucuronidase reporter gene expression system. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2012, 47, 233-239. | 0.7 | 3 |
| 119 | Saligenin Cyclic Phosphorus Esters as Biological Alkylating Agents and Fungicides. <i>Agricultural and Biological Chemistry</i> , 1968, 32, 1056-1058. | 0.3 | 2 |
| 120 | Preparation of a Functional Single-Chain Antibody against Chlorpropham. <i>Journal of Pesticide Sciences</i> , 2002, 27, 383-386. | 0.8 | 2 |
| 121 | Photodecomposition of Salithion (2-Methoxy-4-Hydroxy-1, 3, 5-Triethyl-2, 4, 6-Trinitrobenzene) by <i>Overl</i> 279-290. | 0.8 | 2 |
| 122 | Alkylation of Mercaptans and Inhibition of $\text{S}^{\ominus}\text{SH}$ Enzymes TM by Saligenin Cyclic Phosphate and Phosphorothiolate Esters. <i>Agricultural and Biological Chemistry</i> , 1969, 33, 443-451. | 0.3 | 1 |
| 123 | Herbicide-resistant transgenic tobacco plants expressing CYP1A1/P450 reductase fused enzyme. <i>Pest Management Science</i> , 1995, 44, 83-84. | 0.7 | 1 |
| 124 | Herbicide Resistant Transgenic Plants Expressing Cytochrome P450 Monooxygenases Metabolizing Xenobiotics. <i>ACS Symposium Series</i> , 2000, , 116-126. | 0.5 | 1 |
| 125 | Molecular analysis of specificity of anti-nonylphenol polyethoxylate single-chain antibody fragments by grafting and designed point mutations. <i>Molecular Immunology</i> , 2009, 46, 3125-3130. | 1.0 | 1 |
| 126 | Structure and Function of Cytochrome P450s Specifically Expressed in <i>Petunia</i> Flower Buds.. <i>Nippon Nogeikagaku Kaishi</i> , 1999, 73, 1039-1042. | 0.0 | 0 |

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|-----|---|-----|-----------|
| 127 | Cytochrome P450 species specifically expressed in flower buds metabolize fatty acids. International Congress Series, 2002, 1233, 115-120. | 0.2 | 0 |
| 128 | Immobilization of Chloroplasts: Photobioreactor with P450 Monooxygenase. , 1998, , 4151-4154. | | 0 |