Takashi Yagi

List of Publications by Year
in descending order

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108	2,622	172457	233421
papers	citations	29 h-index	45 g-index

109	109	109	2718
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reporter gene assays for screening and identification of novel molting hormone- and juvenile hormone-like chemicals. Journal of Pesticide Sciences, 2021, 46, 29-42.	1.4	8
2	Virtual screening identifies a novel piperazine-based insect juvenile hormone agonist. Journal of Pesticide Sciences, 2021, 46, 68-74.	1.4	10
3	Application of a Battery of Sex Steroid-Responsive Reporter Yeasts for the Detection of Sex Hormone-Disrupting Chemicals. Applied in Vitro Toxicology, 2021, 7, 14-23.	1.1	2
4	Detection of juvenile hormone agonists by a new reporter gene assay using yeast expressing Drosophila methopreneâ€tolerant. FEBS Open Bio, 2021, 11, 2774-2783.	2.3	4
5	Characterization of Methyltestosterone Degrading Bacteria Isolated from Tilapia Masculinizing Ponds: Metabolic Intermediate, Glucose Amendments Effects, and Other Hormones Transformation. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	5
6	Construction of reporter gene assays using CWP and PDR mutant yeasts for enhanced detection of various sex steroids. Genes and Environment, 2020, 42, 20.	2.1	11
7	Improvement of reporter gene assay for highly sensitive dioxin detection using protoplastic yeast with inactivation of CWP and PDR genes. Environmental Science and Pollution Research, 2020, 27, 9227-9235.	5.3	5
8	Transcriptionâ€inducing activity of natural and synthetic juvenile hormone agonists through the Drosophila Methopreneâ€tolerant protein. Pest Management Science, 2020, 76, 2316-2323.	3.4	12
9	Genetic variations and phylogeography of the swallowtail butterfly Papilio machaon on the Japanese Islands. Entomological Science, 2018, 21, 248-259.	0.6	7
10	Modulation of benzo[a]pyreneâ€“DNA adduct formation by CYP1 inducer and inhibitor. Genes and Environment, 2017, 39, 14.	2.1	80
11	New reporter gene assays for detecting natural and synthetic molting hormone agonists using yeasts expressing ecdysone receptors of various insects. FEBS Open Bio, 2017, 7, 995-1008.	2.3	9
12	A perspective of Genes and Environment for the development of environmental mutagen research in Asia. Genes and Environment, 2017, 39, 23.	2.1	6
13	Unique molecular mechanisms for maintenance and alteration of genetic information in the budding yeast Saccharomyces cerevisiae. Genes and Environment, 2017, 39, 28.	2.1	8
14	A pilot study for construction of a new cadmium-sensing yeast strain carrying a reporter plasmid with the <i>JLP1</i> promoter. Journal of Toxicological Sciences, 2017, 42, 103-109.	1.5	3
15	Error-Prone and Error-Free Translesion DNA Synthesis over Site-Specifically Created DNA Adducts of Aryl Hydrocarbons (3-Nitrobenzanthrone and 4-Aminobiphenyl). Toxicological Research, 2017, 33, 265-272.	2.1	10
16	Development of yeast reporter assays for the enhanced detection of environmental ligands of thyroid hormone receptors Î± and Î² from Xenopus tropicalis. Toxicology in Vitro, 2016, 37, 15-24.	2.4	5
17	Hepatocyte Î²â€Klotho regulates lipid homeostasis but not body weight in mice. FASEB Journal, 2016, 30, 849-862.	0.5	17
18	Report of the 4th Asian Conference on Environmental Mutagens at CSIR-Indian Institute of Chemical Biology, Kolkata on December 10â€“12, 2014. Genes and Environment, 2015, 37, .	2.1	0

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19	Genes and Environment: providing open access to environmental mutagenesis and genomics studies for global cooperation. Genes and Environment, 2015, 37, 4.	2.1	3
20	Construction of sensitive reporter assay yeasts for comprehensive detection of ligand activities of human corticosteroid receptors through inactivation of CWP and PDR genes. Journal of Pharmacological and Toxicological Methods, 2015, 74, 41-52.	0.7	12
21	Genotoxicity of formaldehyde: molecular basis of DNA damage and mutation. Frontiers in Environmental Science, 2014, 2, .	3.3	57
22	Microbial Metabolites of Omeprazole Activate Murine Aryl Hydrocarbon Receptor In Vitro and In Vivo. Drug Metabolism and Disposition, 2014, 42, 1690-1697.	3.3	6
23	Identification of Amino Acid Residues in the Ligand-Binding Domain of the Aryl Hydrocarbon Receptor Causing the Species-Specific Response to Omeprazole: Possible Determinants for Binding Putative Endogenous Ligands. Molecular Pharmacology, 2014, 85, 279-289.	2.3	18
24	Occurrence of xenobiotic ligands for retinoid X receptors and thyroid hormone receptors in the aquatic environment of Taiwan. Marine Pollution Bulletin, 2014, 85, 613-618.	5.0	12
25	Development of yeast reporter assay for screening specific ligands of retinoic acid and retinoid X receptor subtypes. Journal of Pharmacological and Toxicological Methods, 2014, 69, 245-252.	0.7	18
26	Frequencies of mutagenic translesion DNA synthesis over cisplatin-guanine intra-strand crosslinks in lacZ plasmids propagated in human cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2014, 770, 23-28.	1.7	13
27	Adduct formation and repair, and translesion DNA synthesis across the adducts in human cells exposed to 3-nitrobenzanthrone. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 753, 93-100.	1.7	19
28	Translesion DNA synthesis across various DNA adducts produced by 3-nitrobenzanthrone in Escherichia coli. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 754, 32-38.	1.7	5
29	Simple and rapid yeast reporter bioassay for dioxin screening: evaluation of the dioxin-like compounds in industrial and municipal waste incineration plants. Environmental Science and Pollution Research, 2013, 20, 2993-3002.	5.3	11
30	Genotoxicity of multi-walled carbon nanotubes in bothin vitroandin vivoassay systems. Nanotoxicology, 2013, 7, 452-461.	3.0	92
31	Dioxin suppresses benzo[a]pyrene-induced mutations and DNA adduct formation through cytochrome P450 1A1 induction and (Â±)-anti-benzo[a]pyrene-7,8-diol-9,10-epoxide inactivation in human hepatoma cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 750, 77-85.	1.7	20
32	Vicariant speciation due to 1.55â€‰Ma isolation of the <scp>R</scp>yukyu islands, <scp>J</scp>apan, based on geological and <scp>G</scp>en<scp>B</scp>ank data. Entomological Science, 2013, 16, 267-277.	0.6	22
33	Genotoxicity and reactive oxygen species production induced by magnetite nanoparticles in mammalian cells. Journal of Toxicological Sciences, 2013, 38, 503-511.	1.5	34
34	The Achievement of Shuttle Vector Techniques in Mammalian Cell Mutation Research. Genes and Environment, 2013, 35, 93-98.	2.1	3
35	Identification of Small Molecule Proliferating Cell Nuclear Antigen (PCNA) Inhibitor That Disrupts Interactions with PIP-box Proteins and Inhibits DNA Replication. Journal of Biological Chemistry, 2012, 287, 14289-14300.	3.4	109
36	A protein from Pleurotus eryngii var. tuoliensis C.J. Mou with strong removal activity against the natural steroid hormone, estriol: Purification, characterization, and identification as a laccase. Enzyme and Microbial Technology, 2012, 51, 402-407.	3.2	12

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37	Growth Retardation of Paramecium and Mouse Cells by Shielding Them from Background Radiation. Journal of Radiation Research, 2012, 53, 404-410.	1.6	39
38	Application of the DNA adductome approach to assess the DNA-damaging capability of in vitro micronucleus test-positive compounds. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2011, 721, 21-26.	1.7	23
39	In Vitro and In Vivo Genotoxicity Induced by Fullerene (C60) and Kaolin. Genes and Environment, 2011, 33, 14-20.	2.1	9
40	Concerns over Genotoxicity of Nanomaterialsâ€" JEMS Symposium in 2010. Genes and Environment, 2011, 33, 1-3.	2.1	0
41	EVOLUTION OF MIMICRY PATTERNS INMETRIORRHYNCHUS(COLEOPTERA: LYCIDAE): THE HISTORY OF DISPERSAL AND SPECIATION IN SOUTHEAST ASIA. Evolution; International Journal of Organic Evolution, 2010, 64, 39-52.	2.3	43
42	Establishment of yeast reporter assay systems to detect ligands of thyroid hormone receptors Î± and Î². Toxicology in Vitro, 2010, 24, 638-644.	2.4	33
43	Genotoxicity of 3,6-dinitrobenzo[e]pyrene, a novel mutagen in ambient air and surface soil, in mammalian cells in vitro and in vivo. Mutagenesis, 2009, 24, 279-284.	2.6	19
44	Validation of a new yeastâ€based reporter assay consisting of human estrogen receptors Î±/Î² and coactivator SRCâ€1: Application for detection of estrogenic activity in environmental samples. Environmental Toxicology, 2009, 24, 513-521.	4.0	38
45	Genotoxicity of nano/microparticles in in vitro micronuclei, in vivo comet and mutation assay systems. Particle and Fibre Toxicology, 2009, 6, 23.	6.2	83
46	Establishment of a Method for Analyzing Translesion DNA Synthesis across a Single Bulky Adduct in Human Cells. Genes and Environment, 2009, 31, 24-30.	2.1	5
47	Differential Responses of Various Pharmaceuticals to Human Estrogen Receptors Î± and Î² in Newly-constructed Yeast Reporter Assays. Genes and Environment, 2009, 31, 80-86.	2.1	1
48	Mutagenic Specificity of N-Nitrosotaurocholic Acid in supF Shuttle Vector Plasmids. Genes and Environment, 2009, 31, 9-14.	2.1	0
49	Omeprazole Alleviates Benzo[a]pyrene Cytotoxicity by Inhibition of CYP1A1 Activity in Human and Mouse Hepatoma Cells. Basic and Clinical Pharmacology and Toxicology, 2008, 103, 468-475.	2.5	13
50	Mutagenic specificity of N-acetoxy-3-aminobenzanthrone, a major metabolically activated form of 3-nitrobenzanthrone, in shuttle vector plasmids propagated in human cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2008, 654, 82-87.	1.7	12
51	Construction of a Reporter Yeast Strain to Detect Estrogen Receptor Signaling through Aryl Hydrocarbon Receptor Activation. Environmental Science & Technology, 2008, 42, 6897-6902.	10.0	17
52	Polyaromatic Hydrocarbons Cause Histone H2AX Phosphorylation in the S-phase of the Cell Cycle. Genes and Environment, 2008, 30, 92-99.	2.1	6
53	DNA adduct formation in human hepatoma cells treated with 3-nitrobenzanthrone: analysis by the 32P-postlabeling method. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 634, 184-191.	1.7	13
54	Molecular Evidence of the Involvement of the Nucleotide Excision Repair (NER) System in the Repair of the Mono(ADP-Ribosyl)ated DNA Adduct Produced by Pierisin-1, an Apoptosis-Inducing Protein from the Cabbage Butterfly. Chemical Research in Toxicology, 2007, 20, 694-700.	3.3	6

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55	Structural Identification of DNA Adducts Derived from 3â€Nitrobenzanthrone, a Potent Carcinogen Present in the Atmosphere. Chemistry - an Asian Journal, 2007, 2, 1174-1185.	3.3	20
56	Establishment of Reporter Yeasts for Guinea Pig and Syrian Hamster Aryl Hydrocarbon Receptor Ligand Activity. Genes and Environment, 2006, 28, 167-172.	2.1	7
57	Identification of three major DNA adducts formed by the carcinogenic air pollutant 3-nitrobenzanthrone in rat lung at the C8 and N2 position of guanine and at the N6 position of adenine. International Journal of Cancer, 2006, 118, 2139-2146.	5.1	76
58	A revision of Metriorrhynchus from the Philippines with molecular evidence of an Australian origin of the Oriental Metriorrhynchus fauna (Coleoptera: Lycidae). European Journal of Entomology, 2006, 103, 115-126.	1.2	9
59	Phylogeny and Evolution of Butterflies of the Genus Parnassius: Inferences from Mitochondrial 16S and ND1 Sequences. Zoological Science, 2005, 22, 343-351.	0.7	16
60	Comparison of mutagenic potentials and mutation spectra of benzene metabolites using supF shuttle vectors in human cells. Mutagenesis, 2004, 19, 91-97.	2.6	14
61	Biogeography of the subspecies of Parides (Byasa) alcinous (Lepidoptera: Papilionidae) based on a phylogenetic analysis of mitochondrial ND5 sequences. Systematic Entomology, 2004, 29, 1-9.	3.9	28
62	Detection of Genistein as an Estrogenic Contaminant of River Water in Osaka. Environmental Science & Technology, 2004, 38, 6424-6429.	10.0	67
63	Molecular systematics and evolution of the â€œApolloâ€•butterflies of the genus Parnassius (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT	2.2	34
64	Multiple roles of Rev3, the catalytic subunit of polÂ in maintaining genome stability in vertebrates. EMBO Journal, 2003, 22, 3188-3197.	7.8	183
65	Analysis of HPRT and supF Mutations Caused by Pierisin-1, a Guanine Specific ADP-Ribosylating Toxin Derived from the Cabbage Butterfly. Chemical Research in Toxicology, 2003, 16, 945-952.	3.3	19
66	Construction of reporter yeasts for mouse aryl hydrocarbon receptor ligand activity. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2003, 540, 99-105.	1.7	63
67	Molecular phylogeny of butterflies Parnassius glacialis and P. stubbendorfii at various localities in East Asia.. Genes and Genetic Systems, 2001, 76, 229-234.	0.7	19
68	Inhibition of X-ray and Doxorubicin-induced Apoptosis by Butyrolactone I, a CDK-specific Inhibitor, in Human Tumor Cells. Journal of Radiation Research, 2000, 41, 341-348.	1.6	3
69	Involvement of cyclin-dependent kinases in doxorubicin-induced apoptosis in human tumor cells. Molecular Carcinogenesis, 2000, 29, 1-7.	2.7	36
70	Comparison of the mutations induced by p-benzoquinone, a benzene metabolite, in human and mouse cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 470, 147-153.	1.7	20
71	Postlabelling analysis of DNA adducts formed in human hepatoma cells treated with 3-nitrobenzanthrone. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 470, 133-139.	1.7	30
72	Apoptosis of Human Tumor Cells by Chemotherapeutic Anthracyclines is Enhanced by Bax Overexpression. Journal of Radiation Research, 1999, 40, 263-272.	1.6	13

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73	Phylogeny of Japanese Papilionid Butterflies Inferred from Nucleotide Sequences of the Mitochondrial ND5 Gene. Journal of Molecular Evolution, 1999, 48, 42-48.	1.8	61
74	Molecular analysis of mutations induced by a benzene metabolite, p-benzoquinone, in mouse cells using a novel shuttle vector plasmid. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1999, 444, 123-131.	1.7	10
75	Expression of a mammalian DNA photolyase confers light-dependent repair activity and reduces mutations of UV-irradiated shuttle vectors in xeroderma pigmentosum cells. Mutation Research DNA Repair, 1999, 435, 255-262.	3.7	22
76	Mutated p21WAF1/CIP1/SDI1 lacking CDK-inhibitory activity fails to prevent apoptosis in human colorectal carcinoma cells. Oncogene, 1998, 16, 705-712.	5.9	83
77	Mutations of p16 and p15 tumor suppressor genes and replication errors contribute independently to the pathogenesis of sporadic malignant melanoma. Archives of Dermatological Research, 1998, 290, 175-180.	1.9	18
78	Reduced UV-induced mutations in human osteosarcoma cells stably expressing transfected wild-type p53 cDNA. Cancer Letters, 1998, 123, 71-76.	7.2	9
79	Molecular analysis of mutations induced by acrolein in human fibroblast cells using supF shuttle vector plasmids. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1998, 417, 65-73.	1.7	85
80	Mutagenic Specificity of a Derivative of 3-Nitrobenzanthrone in thesupFShuttle Vector Plasmids. Chemical Research in Toxicology, 1998, 11, 1468-1473.	3.3	23
81	Characterization of molecular defects in xeroderma pigmentosum group F in relation to its clinically mild symptoms. Human Molecular Genetics, 1998, 7, 969-974.	2.9	64
82	Sensitivity of group F xeroderma pigmentosum cells to UV and mitomycin C relative to levels of XPF and ERCC1 overexpression. Mutagenesis, 1998, 13, 595-599.	2.6	8
83	A low content of ERCC1 and a 120 kDa protein is a frequent feature of group F xeroderma pigmentosum fibroblast cells. Mutagenesis, 1997, 12, 41-44.	2.6	41
84	Suppression of UV-induced mutations by wild-type p53 protein in human osteosarcoma cells. Mutagenesis, 1997, 12, 191-194.	2.6	14
85	Aberrant splicing and truncated-protein expression due to a newly identified XPA gene mutation. Mutation Research DNA Repair, 1996, 362, 199-208.	3.7	22
86	Characterization ofp53 gene mutations in basal-cell carcinomas: Comparison between sun-exposed and less-exposed skin areas. , 1996, 65, 778-780.		28
87	Sites and types of UV-induced mutations leading to inactivation of the growth-arresting activity in p21 (sdi1/cip1/waf1) cDNA. Carcinogenesis, 1996, 17, 2343-2345.	2.8	5
88	Characterization of p53 gene mutations in basalâ€cell carcinomas: Comparison between sunâ€exposed and lessâ€exposed skin areas. International Journal of Cancer, 1996, 65, 778-780.	5.1	3
89	Detection and quantification of DNA strand breaks in human cells induced by contaminants in Japanese tap waters. Water Science and Technology, 1996, 33, 297-304.	2.5	4
90	Correlation of (6â€“4)photoproduct formation with transforming mutations in UV-irradiated Ha-ras. Carcinogenesis, 1995, 16, 689-695.	2.8	5

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91	High Prevalence of Mutations in the p53 Gene in Poorly Differentiated Squamous Cell Carcinomas in Xeroderma Pigmentosum Patients. Journal of Investigative Dermatology, 1995, 105, 399-401.	0.7	34
92	Molecular analysis of mutations induced by 2-chloroacetaldehyde, the ultimate carcinogenic form of vinyl chloride, in human cells using shuttle vectors. Carcinogenesis, 1995, 16, 2389-2394.	2.8	56
93	Far less frequent mutations inras genes than in thep53 gene in skin tumors of xeroderma pigmentosum patients. Molecular Carcinogenesis, 1994, 11, 98-105.	2.7	23
94	Similarity in the molecular profile of mutations induced by UV light in shuttle vector plasmids propagated in mouse and human cells. Mutagenesis, 1994, 9, 73-77.	2.6	12
95	Analysis of mutations caused by DNA double-strand breaks produced by a restriction enzyme in shuttle vector plasmids propagated in ataxia telangiectasia cells. Mutation Research DNA Repair, 1993, 294, 317-323.	3.7	15
96	UV-induced base substitution mutations in a shuttle vector plasmid propagated in group C xeroderma pigmentosum cells. Mutation Research DNA Repair, 1992, 273, 213-220.	3.7	21
97	Protective effects of sodium selenite on killing and mutation by N-methyl-Nâ€²-nitro-N-nitrosoguanidine in E. coli. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1991, 250, 73-77.	1.0	5
98	Cotransfection of plasmids withras andmyc oncogenes to diploid cells derived from rodent fetuses: Alteration of neoplastic transformation frequency depending on the gestation period. Molecular Carcinogenesis, 1989, 1, 222-228.	2.7	8
99	Similarity in the Effect of Caffeine on DNA Synthesis after UV Irradiation between Xeroderma Pigmentosum Variant Cells and Mouse Cells. Japanese Journal of Cancer Research, 1989, 80, 754-758.	1.7	2
100	An improved method of electroporation for introducing biologically active foreign genes into cultured mammalian cells. Experimental Cell Research, 1988, 178, 154-162.	2.6	26
101	Comparison of repair of O6-methylguanine produced by N-methyl-N'-nitro-N-nitrosoguanidine in mouse and human cells. Carcinogenesis, 1984, 5, 593-600.	2.8	47
102	Excision repair of mouse and human fibroblast cells, and a factor affecting the amount of UV-induced unscheduled DNA synthesis. Mutation Research - DNA Repair Reports, 1984, 132, 101-112.	1.8	20
103	Establishment by SV40 transformation and characteristics of a cell line of xeroderma pigmentosum belonging to complementation group F. Mutation Research - DNA Repair Reports, 1983, 112, 59-66.	1.8	36
104	DNA repair ability of cultured cells derived from mouse embryos in comparison with human cells. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1982, 96, 89-98.	1.0	31
105	Repair of ultraviolet radiation damage in xeroderma pigmentosum cells belonging to complementation group F. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1981, 80, 381-388.	1.0	46
106	DNA repair in Bloom's syndrome fibroblasts after UV irradiation or treatment with mitomycin C. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1981, 80, 213-219.	1.0	30
107	Cytotoxic effects of protease inhibitors on human cells. 2. Effect of elastatinal. Cancer Letters, 1980, 10, 301-307.	7.2	11
108	Cytotoxic effects of protease inhibitors on human cells. 1. High sensitivity of xeroderma pigmentosum cells to antipain. Cancer Letters, 1980, 10, 199-205.	7.2	9