

# Atsushi Ono

## List of Publications by Year in descending order

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84  
papers

2,240  
citations

257450

24  
h-index

243625

44  
g-index

88  
all docs

88  
docs citations

88  
times ranked

2549  
citing authors

#	ARTICLE	IF	CITATIONS
1	Open TG-GATEs: a large-scale toxicogenomics database. <i>Nucleic Acids Research</i> , 2015, 43, D921-D927.	14.5	393
2	The Japanese toxicogenomics project: Application of toxicogenomics. <i>Molecular Nutrition and Food Research</i> , 2010, 54, 218-227.	3.3	190
3	A toxicogenomics approach for early assessment of potential non-genotoxic hepatocarcinogenicity of chemicals in rats. <i>Toxicology</i> , 2008, 250, 15-26.	4.2	109
4	Prediction model of potential hepatocarcinogenicity of rat hepatocarcinogens using a large-scale toxicogenomics database. <i>Toxicology and Applied Pharmacology</i> , 2011, 255, 297-306.	2.8	92
5	"Per cell" normalization method for mRNA measurement by quantitative PCR and microarrays. <i>BMC Genomics</i> , 2006, 7, 64.	2.8	88
6	PROFILING OF GENE EXPRESSION IN RAT LIVER AND RAT PRIMARY CULTURED HEPATOCYTES TREATED WITH PEROXISOME PROLIFERATORS. <i>Journal of Toxicological Sciences</i> , 2006, 31, 471-490.	1.5	65
7	Identification of genomic biomarkers for concurrent diagnosis of drug-induced renal tubular injury using a large-scale toxicogenomics database. <i>Toxicology</i> , 2009, 265, 15-26.	4.2	63
8	Gene expression profiling in rat liver treated with compounds inducing phospholipidosis. <i>Toxicology and Applied Pharmacology</i> , 2008, 229, 290-299.	2.8	54
9	miRNA expression atlas in male rat. <i>Scientific Data</i> , 2014, 1, 140005.	5.3	50
10	Species-specific differences in coumarin-induced hepatotoxicity as an example toxicogenomics-based approach to assessing risk of toxicity to humans. <i>Human and Experimental Toxicology</i> , 2008, 27, 23-35.	2.2	45
11	Ovariectomized mouse uterotrophic assay of 36 chemicals. <i>Journal of Toxicological Sciences</i> , 2012, 37, 879-889.	1.5	41
12	Toxicogenomic multigene biomarker for predicting the future onset of proximal tubular injury in rats. <i>Toxicology</i> , 2012, 297, 47-56.	4.2	41
13	Identification of metabolomic biomarkers for drug-induced acute kidney injury in rats. <i>Journal of Applied Toxicology</i> , 2014, 34, 1087-1095.	2.8	41
14	Repeated dose and reproductive/developmental toxicity of perfluorododecanoic acid in rats. <i>Environmental Toxicology</i> , 2015, 30, 1244-1263.	4.0	39
15	Repeated dose and reproductive/developmental toxicity of perfluoroundecanoic acid in rats. <i>Journal of Toxicological Sciences</i> , 2014, 39, 97-108.	1.5	38
16	UTILIZATION OF A ONE-DIMENSIONAL SCORE FOR SURVEYING CHEMICAL-INDUCED CHANGES IN EXPRESSION LEVELS OF MULTIPLE BIOMARKER GENE SETS USING A LARGE-SCALE TOXICOGENOMICS DATABASE. <i>Journal of Toxicological Sciences</i> , 2006, 31, 433-448.	1.5	34
17	EVALUATION OF METHODS FOR DURATION OF PRESERVATION OF RNA QUALITY IN RAT LIVER USED FOR TRANSCRIPTOME ANALYSIS. <i>Journal of Toxicological Sciences</i> , 2006, 31, 509-519.	1.5	33
18	Gene expression profiling of methapyrilene-induced hepatotoxicity in rat. <i>Journal of Toxicological Sciences</i> , 2008, 33, 37-50.	1.5	32

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19	An antioxidant, N,N-diphenyl-p-phenylenediamine (DPPD), affects labor and delivery in rats: A 28-day repeated dose test and reproduction/developmental toxicity test. <i>Food and Chemical Toxicology</i> , 2013, 56, 290-296.	3.6	32
20	IDENTIFICATION OF GLUTATHIONE DEPLETION-RESPONSIVE GENES USING PHORONE-TREATED RAT LIVER. <i>Journal of Toxicological Sciences</i> , 2007, 32, 469-486.	1.5	30
21	Gene expression profiling in rat liver treated with various hepatotoxic-compounds inducing coagulopathy. <i>Journal of Toxicological Sciences</i> , 2009, 34, 281-293.	1.5	30
22	Risk assessment of skin lightening cosmetics containing hydroquinone. <i>Regulatory Toxicology and Pharmacology</i> , 2016, 81, 128-135.	2.7	29
23	Cause of and countermeasures for oxidation of the cysteine-derived reagent used in the amino acid derivative reactivity assay. <i>Journal of Applied Toxicology</i> , 2019, 39, 191-208.	2.8	26
24	Evaluation of the reproductive and developmental toxicity of aluminium ammonium sulfate in a two-generation study in rats. <i>Food and Chemical Toxicology</i> , 2011, 49, 1948-1959.	3.6	25
25	No toxicological effects on acute and repeated oral gavage doses of single-wall or multi-wall carbon nanotube in rats. <i>Journal of Toxicological Sciences</i> , 2012, 37, 463-474.	1.5	24
26	Reproductive and developmental toxicity studies of toluene. II. Effects of inhalation exposure on fertility in rats. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 1996, 15, 9-20.	1.2	24
27	Screening of Endocrine Disrupting Chemicals Using a Surface Plasmon Resonance Sensor. <i>Analytical Sciences</i> , 2004, 20, 611-616.	1.6	23
28	Reproductive and developmental toxicity studies of toluene. I. Teratogenicity study of inhalation exposure in pregnant rats. <i>Journal of Toxicological Sciences</i> , 1995, 20, 109-134.	1.5	22
29	Two-generation reproductive toxicity study of aluminium sulfate in rats. <i>Reproductive Toxicology</i> , 2011, 31, 219-230.	2.9	22
30	Toluene inhalation induced epididymal sperm dysfunction in rats. <i>Toxicology</i> , 1999, 139, 193-205.	4.2	21
31	Sub-acute oral toxicity study with fullerene C60 in rats. <i>Journal of Toxicological Sciences</i> , 2012, 37, 353-361.	1.5	21
32	Expanding the applicability of the amino acid derivative reactivity assay: Determining a weight for preparation of test chemical solutions that yield a predictive capacity identical to the conventional method using molar concentration and demonstrating the capacity to detect sensitizers in liquid mixtures. <i>Journal of Pharmacological and Toxicological Methods</i> , 2019, 97, 67-79.	0.7	21
33	Repeated dose and reproductive/developmental toxicity of perfluorooctadecanoic acid in rats. <i>Journal of Toxicological Sciences</i> , 2012, 37, 63-79.	1.5	19
34	Identification of a novel set of biomarkers for evaluating phospholipidosis-inducing potential of compounds using rat liver microarray data measured 24-h after single dose administration. <i>Toxicology</i> , 2012, 295, 1-7.	4.2	19
35	Proposal of new uncertainty factor application to derive tolerable daily intake. <i>Regulatory Toxicology and Pharmacology</i> , 2010, 58, 237-242.	2.7	18
36	A survey of the values of clinical chemistry parameters obtained for a common rat blood sample in ninety-eight japanese laboratories. <i>Journal of Toxicological Sciences</i> , 1997, 22, 25-44.	1.5	17

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37	Toxicogenomic biomarkers for renal papillary injury in rats. <i>Toxicology</i> , 2013, 303, 1-8.	4.2	17
38	Safety assessment of boron by application of new uncertainty factors and their subdivision. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 65, 108-114.	2.7	16
39	Gene expression profiling in rat liver treated with compounds inducing elevation of bilirubin. <i>Human and Experimental Toxicology</i> , 2009, 28, 231-244.	2.2	15
40	Identification of Novel Liver-Specific mRNAs in Plasma for Biomarkers of Drug-Induced Liver Injury and Quantitative Evaluation in Rats Treated With Various Hepatotoxic Compounds. <i>Toxicological Sciences</i> , 2013, 132, 21-31.	3.1	15
41	Detection of initiating potential of non-genotoxic carcinogens in a two-stage hepatocarcinogenesis study in rats. <i>Journal of Toxicological Sciences</i> , 2014, 39, 785-794.	1.5	15
42	GENE EXPRESSION PROFILING OF RAT LIVER TREATED WITH SERUM TRIGLYCERIDE-DECREASING COMPOUNDS. <i>Journal of Toxicological Sciences</i> , 2007, 32, 387-399.	1.5	14
43	Comprehensive Cardiotoxicity Assessment of COVID-19 Treatments Using Human-Induced Pluripotent Stem Cell-Derived Cardiomyocytes. <i>Toxicological Sciences</i> , 2021, 183, 227-239.	3.1	14
44	A category approach to predicting the repeated-dose hepatotoxicity of allyl esters. <i>Regulatory Toxicology and Pharmacology</i> , 2013, 65, 189-195.	2.7	13
45	COMPARISON OF GENE EXPRESSION PROFILES AMONG PAPILLA, MEDULLA AND CORTEX IN RAT KIDNEY. <i>Journal of Toxicological Sciences</i> , 2006, 31, 449-469.	1.5	12
46	Validation of the (Q)SAR combination approach for mutagenicity prediction of flavor chemicals. <i>Food and Chemical Toxicology</i> , 2012, 50, 1538-1546.	3.6	12
47	Historical control data on developmental toxicity studies in rodents. <i>Congenital Anomalies (discontinued)</i> , 2014, 54, 150-161.	0.6	12
48	Chronic cardiotoxicity assessment of BMS-986094, a guanosine nucleotide analogue, using human iPS cell-derived cardiomyocytes. <i>Journal of Toxicological Sciences</i> , 2021, 46, 359-369.	1.5	12
49	Evaluation of DNA microarray results in the Toxicogenomics Project (TGP) consortium in Japan. <i>Journal of Toxicological Sciences</i> , 2012, 37, 791-801.	1.5	11
50	Evaluation of in vivo mutagenicity of hydroquinone in Muta <sup>+</sup> , $\phi$ mice. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 775-776, 94-98.	1.7	11
51	Comparative gene and protein expression analyses of a panel of cytokines in acute and chronic drug-induced liver injury in rats. <i>Toxicology</i> , 2014, 324, 43-54.	4.2	11
52	Dynamic Control of the Interparticle Distance in a Self-Assembled Ag Nanocube Monolayer for Plasmonic Color Modulation. <i>ACS Applied Nano Materials</i> , 2021, 4, 9721-9728.	5.0	10
53	Repeated dose and reproductive/developmental toxicity of long-chain perfluoroalkyl carboxylic acids in rats: perfluorohexadecanoic acid and perfluorotetradecanoic acid. <i>Fundamental Toxicological Sciences</i> , 2015, 2, 177-190.	0.6	9
54	The Japan Flavour and Fragrance Materials Association's (JFFMA) safety assessment of acetal food flavouring substances uniquely used in Japan. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2015, 32, 1384-1396.	2.3	9

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55	Initial hazard assessment of 4-benzylphenol, a structural analog of bisphenol F: Genotoxicity tests in vitro and a 28-day repeated-dose toxicity study in rats. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 96, 64-75.	2.7	9
56	The within- and between-laboratory reproducibility and predictive capacity of the in chemico amino acid derivative reactivity assay: Results of validation study implemented in four participating laboratories. <i>Journal of Applied Toxicology</i> , 2019, 39, 1492-1505.	2.8	9
57	Toxicological significance of increased serum alkaline phosphatase activity in dog studies of pesticides: Analysis of toxicological data evaluated in Japan. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 109, 104482.	2.7	8
58	Improving predictive capacity of the Amino acid Derivative Reactivity Assay test method for skin sensitization potential with an optimal molar concentration of test chemical solution. <i>Journal of Applied Toxicology</i> , 2021, 41, 303-329.	2.8	8
59	Near-infrared sensitivity improvement by plasmonic diffraction for a silicon image sensor with deep trench isolation filled with highly reflective metal. <i>Optics Express</i> , 2021, 29, 21313.	3.4	8
60	FTY720 Inhibits Expansion of Breast Cancer Stem Cells via PP2A Activation. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7259.	4.1	8
61	A new parameter that supports speculation on the possible mechanism of hypothyroidism induced by chemical substances in repeated-dose toxicity studies. <i>Journal of Toxicological Sciences</i> , 2013, 38, 291-299.	1.5	7
62	Initial hazard assessment of benzyl salicylate: In vitro genotoxicity test and combined repeated-dose and reproductive/developmental toxicity screening test in rats. <i>Regulatory Toxicology and Pharmacology</i> , 2018, 100, 105-117.	2.7	7
63	Applicability of amino acid derivative reactivity assay for prediction of skin sensitization by combining multiple alternative methods to evaluate key events. <i>Journal of Toxicological Sciences</i> , 2019, 44, 585-600.	1.5	7
64	Lysophosphatidic Acid Promotes the Expansion of Cancer Stem Cells via TRPC3 Channels in Triple-Negative Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1967.	4.1	7
65	Transcriptome analyses demonstrate that Peroxisome Proliferator-Activated Receptor $\alpha$ (PPAR $\alpha$ ) activity of an ultraviolet absorber, 2-(2-hydroxy-5-di-tert-butylphenyl)benzotriazole, as possible mechanism 1.5 of their toxicity and the gender differences. <i>Journal of Toxicological Sciences</i> , 2016, 41, 693-700.		6
66	Oxidation of a cysteine-derived nucleophilic reagent by dimethyl sulfoxide in the amino acid derivative reactivity assay. <i>Journal of Applied Toxicology</i> , 2020, 40, 843-854.	2.8	5
67	Characterisation and validation of an in vitro transactivation assay based on the 22Rv1/MMTV_GR-KO cell line to detect human androgen receptor agonists and antagonists. <i>Food and Chemical Toxicology</i> , 2021, 152, 112206.	3.6	5
68	Development of a category approach to predict the testicular toxicity of chemical substances structurally related to ethylene glycol methyl ether. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 70, 711-719.	2.7	4
69	Reproductive and developmental toxicity screening test of 3-cyanopyridine in rats. <i>Reproductive Toxicology</i> , 2013, 35, 7-16.	2.9	3
70	The JFFMA assessment of flavoring substances structurally related to menthol and uniquely used in Japan. <i>Food and Chemical Toxicology</i> , 2014, 64, 314-321.	3.6	3
71	Comprehensive analysis of DNA methylation and gene expression of rat liver in a 2-stage hepatocarcinogenesis model. <i>Journal of Toxicological Sciences</i> , 2014, 39, 837-848.	1.5	3
72	Hot electron emission enhancement by deep UV surface plasmon resonance on an aluminum periodic disk hole array. <i>Optical Materials Express</i> , 2021, 11, 2278.	3.0	3

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73	A survey of the results of haematological parameters, using a common rat blood sample in Japanese laboratories. <i>Comparative Haematology International</i> , 1996, 6, 125-133.	0.5	2
74	Simulation of acute reference dose (ARfD) settings for pesticides in Japan. <i>Journal of Toxicological Sciences</i> , 2013, 38, 205-214.	1.5	2
75	Japan Flavour and Fragrance Materials Association's (JFFMA) safety assessment of food-flavouring substances uniquely used in Japan that belong to the class of aliphatic primary alcohols, aldehydes, carboxylic acids, acetals and esters containing additional oxygenated functional groups. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017, 34, 1474-1484.	2.3	2
76	The within- and between-laboratory reproducibility and predictive capacity of Amino acid Derivative Reactivity Assay using 4 mM test chemical solution: Results of ring study implemented at five participating laboratories. <i>Journal of Applied Toxicology</i> , 2022, 42, 318-333.	2.8	2
77	Transforming Growth Factor Beta Promotes the Expansion of Cancer Stem Cells & via S1PR3 by Ligand-Independent Notch Activation. <i>Biological and Pharmaceutical Bulletin</i> , 2022, 45, 649-658.	1.4	2
78	Proarrhythmia Risk Assessment Using Electro-Mechanical Window in Human iPS Cell-Derived Cardiomyocytes. <i>Biological and Pharmaceutical Bulletin</i> , 2022, 45, 940-947.	1.4	2
79	A repeated dose 28-day oral toxicity study of 1,2-bromostyrene in rats. <i>Fundamental Toxicological Sciences</i> , 2015, 2, 191-200.	0.6	1
80	Association between <i>in vitro</i> nuclear receptor-activating profiles of chemical compounds and their <i>in vivo</i> hepatotoxicity in rats. <i>Journal of Toxicological Sciences</i> , 2021, 46, 569-587.	1.5	1
81	Within- and between-laboratory reproducibility and predictive capacity of amino acid derivative reactivity assay (ADRA) using a 0.5 mg/mL test chemical solution: Results of the study for reproducibility confirmation implemented in five participating laboratories. <i>Journal of Applied Toxicology</i> , 2022, . . .	2.8	1
82	Applicability of amino acid derivative reactivity assay (4 mM) for the prediction of skin sensitization by combining multiple alternative methods to evaluate key events. <i>Journal of Applied Toxicology</i> , 2022, . . .	2.8	1
83	Authors' response to Letter to the Editor by Jeff Kelsey et al. "Response to "Development of a category approach to predict the testicular toxicity of chemical substances structurally related to ethylene glycol methyl ether." 2015. <i>Regulatory Toxicology and Pharmacology</i> , 2015, 73, 209.	2.7	0
84	Refinement of decision tree to assess the consequences of increased serum ALP in dogs: Additional analysis on toxicity studies of pesticides evaluated recently in Japan. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 124, 104963.	2.7	0