

Bennard van Ravenzwaay

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

1,386
citations

393982

19
h-index

360668

35
g-index

61
all docs

61
docs citations

61
times ranked

1778
citing authors

#	ARTICLE	IF	CITATIONS
1	The thyroid hormone converting enzyme human deiodinase 1 is inhibited by gold ions from inorganic salts, organic substances, and by small-size nanoparticles. <i>Chemico-Biological Interactions</i> , 2022, 351, 109709.	1.7	3
2	A framework for chemical safety assessment incorporating new approach methodologies within REACH. <i>Archives of Toxicology</i> , 2022, 96, 743-766.	1.9	39
3	Predictive Performance of Next Generation Physiologically Based Kinetic (PBK) Model Predictions in Rats Based on <i>In Vitro</i> and <i>In Silico</i> Input Data. <i>Toxicological Sciences</i> , 2022, 186, 18-28.	1.4	7
4	Gut microbiome and plasma metabolome changes in rats after oral gavage of nanoparticles: sensitive indicators of possible adverse health effects. <i>Particle and Fibre Toxicology</i> , 2022, 19, 21.	2.8	13
5	Novel testing strategy for prediction of rat biliary excretion of intravenously administered estradiol-17 β glucuronide. <i>Archives of Toxicology</i> , 2021, 95, 91-102.	1.9	1
6	Towards a science-based testing strategy to identify maternal thyroid hormone imbalance and neurodevelopmental effects in the progeny – part II: how can key events of relevant adverse outcome pathways be addressed in toxicological assessments?. <i>Critical Reviews in Toxicology</i> , 2021, 51, 328-358.	1.9	11
7	Incorporating renal excretion via the OCT2 transporter in physiologically based kinetic modelling to predict in vivo kinetics of mepiquat in rat. <i>Toxicology Letters</i> , 2021, 343, 34-43.	0.4	7
8	Use of in vitro metabolomics in NRK cells to help predicting nephrotoxicity and differentiating the MoA of nephrotoxicants. <i>Toxicology Letters</i> , 2021, 353, 43-59.	0.4	5
9	Ontogeny of renal, hepatic, and placental expression of ATP-binding cassette and solute carrier transporters in the rat and the rabbit. <i>Reproductive Toxicology</i> , 2021, 107, 1-9.	1.3	1
10	Toward a science-based testing strategy to identify maternal thyroid hormone imbalance and neurodevelopmental effects in the progeny – part I: which parameters from human studies are most relevant for toxicological assessments?. <i>Critical Reviews in Toxicology</i> , 2020, 50, 740-763.	1.9	7
11	Xenobiotica-metabolizing enzyme induction potential of chemicals in animal studies: NanoString nCounter gene expression and peptide group-specific immunoaffinity as accelerated and economical substitutions for enzyme activity determinations?. <i>Archives of Toxicology</i> , 2020, 94, 2663-2682.	1.9	1
12	Key read across framework components and biology based improvements. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2020, 853, 503172.	0.9	19
13	Antibiotic-Induced Changes in Microbiome-Related Metabolites and Bile Acids in Rat Plasma. <i>Metabolites</i> , 2020, 10, 242.	1.3	7
14	Variance of body and organ weights in 28-day studies in mice. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 108, 104472.	1.3	4
15	Innovative selection approach for a new antifungal agent mefentrifluconazole (Revysol $\text{\textcircled{R}}$) and the impact upon its toxicity profile. <i>Regulatory Toxicology and Pharmacology</i> , 2019, 106, 152-168.	1.3	41
16	In vitro-to-in vivo extrapolation (IVIVE) by PBTK modeling for animal-free risk assessment approaches of potential endocrine-disrupting compounds. <i>Archives of Toxicology</i> , 2019, 93, 401-416.	1.9	59
17	A comparison of the embryonic stem cell test and whole embryo culture assay combined with the BeWo placental passage model for predicting the embryotoxicity of azoles. <i>Toxicology Letters</i> , 2018, 286, 10-21.	0.4	22
18	Reduction of Acute Inhalation Toxicity Testing in Rats: The Contact Angle of Organic Pigments Predicts Their Suffocation Potential. <i>Applied in Vitro Toxicology</i> , 2018, 4, 220-228.	0.6	12

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19	Comparing effect levels of regulatory studies with endpoints derived in targeted anti-androgenic studies: example prochloraz. <i>Archives of Toxicology</i> , 2017, 91, 143-162.	1.9	16
20	Embryotoxic and pharmacologic potency ranking of six azoles in the rat whole embryo culture by morphological and transcriptomic analysis. <i>Toxicology and Applied Pharmacology</i> , 2017, 322, 15-26.	1.3	20
21	Assessment of skin sensitization under REACH: A case report on vehicle choice in the LLNA and its crucial role preventing false positive results. <i>Regulatory Toxicology and Pharmacology</i> , 2017, 85, 25-32.	1.3	3
22	Use of physiologically based kinetic modeling-facilitated reverse dosimetry of in vitro toxicity data for prediction of in vivo developmental toxicity of tebuconazole in rats. <i>Toxicology Letters</i> , 2017, 266, 85-93.	0.4	33
23	A transcriptomic approach for evaluating the relative potency and mechanism of action of azoles in the rat Whole Embryo Culture. <i>Toxicology</i> , 2017, 392, 96-105.	2.0	11
24	Investigations on the dose-response relationship of combined exposure to low doses of three anti-androgens in Wistar rats. <i>Archives of Toxicology</i> , 2017, 91, 3961-3989.	1.9	14
25	Intrinsic Xenobiotic Metabolizing Enzyme Activities in Early Life Stages of Zebrafish (<i>Danio rerio</i>). <i>Toxicological Sciences</i> , 2017, 159, 86-93.	1.4	22
26	Acetylcholinesterase measurement in various brain regions and muscles of juvenile, adolescent, and adult rats. <i>Toxicology Mechanisms and Methods</i> , 2017, 27, 666-676.	1.3	10
27	A protocol to determine dermal absorption of xenobiotica through human skin in vitro. <i>Archives of Toxicology</i> , 2017, 91, 1497-1511.	1.9	16
28	Investigations of putative reproductive toxicity of low-dose exposures to vinclozolin in Wistar rats. <i>Archives of Toxicology</i> , 2017, 91, 1941-1956.	1.9	11
29	Postnatal fate of prenatal-induced fetal alterations in laboratory animals. <i>Reproductive Toxicology</i> , 2016, 61, 177-185.	1.3	5
30	Flusilazole induces spatio-temporal expression patterns of retinoic acid-, differentiation- and sterol biosynthesis-related genes in the rat Whole Embryo Culture. <i>Reproductive Toxicology</i> , 2016, 64, 77-85.	1.3	13
31	A developmental toxicity study of 3S, 3 β -Astaxanthin in New Zealand white rabbits. <i>Food and Chemical Toxicology</i> , 2016, 90, 95-101.	1.8	11
32	Intra- and inter-laboratory reproducibility and accuracy of the LuSens assay: A reporter gene-cell line to detect keratinocyte activation by skin sensitizers. <i>Toxicology in Vitro</i> , 2016, 32, 278-286.	1.1	35
33	Activities of xenobiotic metabolizing enzymes in rat placenta and liver in vitro. <i>Toxicology in Vitro</i> , 2016, 33, 174-179.	1.1	7
34	Immunophenotyping does not improve predictivity of the local lymph node assay in mice. <i>Journal of Applied Toxicology</i> , 2015, 35, 434-445.	1.4	2
35	Occurrence of Pineal Gland Tumors in Combined Chronic Toxicity/Carcinogenicity Studies in Wistar Rats. <i>Toxicologic Pathology</i> , 2015, 43, 838-843.	0.9	5
36	Investigations of putative reproductive toxicity of low-dose exposures to flutamide in Wistar rats. <i>Archives of Toxicology</i> , 2015, 89, 2385-2402.	1.9	17

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37	Prenatal toxicity of synthetic amorphous silica nanomaterial in rats. <i>Reproductive Toxicology</i> , 2015, 56, 141-146.	1.3	24
38	Use of the ES-D3 cell differentiation assay, combined with the BeWo transport model, to predict relative in vivo developmental toxicity of antifungal compounds. <i>Toxicology in Vitro</i> , 2015, 29, 320-328.	1.1	26
39	Anti-androgenicity can only be evaluated using a weight of evidence approach. <i>Regulatory Toxicology and Pharmacology</i> , 2014, 68, 175-192.	1.3	11
40	Effect of estrogenic binary mixtures in the yeast estrogen screen (YES). <i>Regulatory Toxicology and Pharmacology</i> , 2014, 70, 286-296.	1.3	14
41	Applicability of rat precision-cut lung slices in evaluating nanomaterial cytotoxicity, apoptosis, oxidative stress, and inflammation. <i>Toxicology and Applied Pharmacology</i> , 2014, 276, 1-20.	1.3	56
42	Epigenetics and chemical safety – Concluding remarks. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 764-765, 72-73.	0.9	1
43	Species Differences in Developmental Toxicity of Epoxiconazole and Its Relevance to Humans. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , 2013, 98, 230-246.	1.4	11
44	Effects of Estrogen Coadministration on Epoxiconazole Toxicity in Rats. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , 2013, 98, 247-259.	1.4	15
45	Vinclozolin: A case study on the identification of endocrine active substances in the past and a future perspective. <i>Toxicology Letters</i> , 2013, 223, 271-279.	0.4	28
46	Vinclozolin – No transgenerational inheritance of anti-androgenic effects after maternal exposure during organogenesis via the intraperitoneal route. <i>Reproductive Toxicology</i> , 2013, 37, 6-14.	1.3	34
47	Epoxiconazole – Induced Degeneration in Rat Placenta and the Effects of Estradiol Supplementation. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , 2013, 98, 208-221.	1.4	20
48	Additional Histopathologic Examination of the Lungs from a 3-Month Inhalation Toxicity Study with Multiwall Carbon Nanotubes in Rats. <i>Toxicological Sciences</i> , 2013, 134, 103-110.	1.4	26
49	Conclusions and outlook. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2012, 746, 171-172.	0.9	1
50	A testing strategy for the identification of mammalian, systemic endocrine disruptors with particular focus on steroids. <i>Regulatory Toxicology and Pharmacology</i> , 2012, 63, 259-278.	1.3	28
51	Vinclozolin: A feasibility and sensitivity study of the ILSI-HESI F1-extended one-generation rat reproduction protocol. <i>Regulatory Toxicology and Pharmacology</i> , 2011, 59, 91-100.	1.3	29
52	Assessment of combinations of antiandrogenic compounds vinclozolin and flutamide in a yeast based reporter assay. <i>Regulatory Toxicology and Pharmacology</i> , 2011, 60, 373-380.	1.3	13
53	Initiatives to decrease redundancy in animal testing of pesticides. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2010, 27, 112-114.	0.9	1
54	Inhalation Toxicity of Multiwall Carbon Nanotubes in Rats Exposed for 3 Months. <i>Toxicological Sciences</i> , 2009, 112, 468-481.	1.4	398

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55	Vinclozolinâ€”The lack of a transgenerational effect after oral maternal exposure during organogenesis. <i>Reproductive Toxicology</i> , 2008, 25, 352-360.	1.3	100
56	Toxicological overview of a novel strobilurin fungicide, orysastrobin. <i>Journal of Pesticide Sciences</i> , 2007, 32, 270-277.	0.8	9
57	Ethylbenzene: 4- and 13-week rat oral toxicity. <i>Archives of Toxicology</i> , 2007, 81, 361-370.	1.9	18
58	A Wistar Rat Strain Prone to Spontaneous Liver Tumor Development: Implications for Carcinogenic Risk Assessment. <i>Regulatory Toxicology and Pharmacology</i> , 2002, 36, 86-95.	1.3	8