Jan G Hengstler

List of Publications by Year
in descending order

227 papers	14,653 citations	25034 57 h-index	24258 110 g-index
239 all docs	239 docs citations	239 times ranked	15908 citing authors

#	Article	IF	Citations
1	Stimulation of de novo glutathione synthesis by nitrofurantoin for enhanced resilience of hepatocytes. Cell Biology and Toxicology, 2022, 38, 847-864.	5.3	8
2	Transcriptomic Crossâ€Species Analysis of Chronic Liver Disease Reveals Consistent Regulation Between Humans and Mice. Hepatology Communications, 2022, 6, 161-177.	4.3	24
3	Reply. Hepatology, 2022, 75, 493-494.	7.3	0
4	The hepatocyte export carrier inhibition assay improves the separation of hepatotoxic from non-hepatotoxic compounds. Chemico-Biological Interactions, 2022, 351, 109728.	4.0	18
5	Impact of Biological and Lifestyle Factors on Cognitive Aging and Work Ability in the Dortmund Vital Study: Protocol of an Interdisciplinary, Cross-sectional, and Longitudinal Study. JMIR Research Protocols, 2022, 11, e32352.	1.0	18
6	Liver specific, systemic and genetic contributors to alcohol-related liver disease progression. Zeitschrift Fur Gastroenterologie, 2022, 60, 36-44.	0.5	2
7	Loss of bile salt export pump aggravates lipopolysaccharideâ€induced liver injury in mice due to impaired hepatic endotoxin clearance. Hepatology, 2022, 75, 1095-1109.	7.3	15
8	Interruption of bile acid uptake by hepatocytes after acetaminophen overdose ameliorates hepatotoxicity. Journal of Hepatology, 2022, 77, 71-83.	3.7	31
9	Reply. Hepatology, 2022, 76, E58-E58.	7.3	0
10	Influence of bile acids on the cytotoxicity of chemicals in cultivated human hepatocytes. Toxicology in Vitro, 2022, 81, 105344.	2.4	1
11	Automated Detection of Portal Fields and Central Veins in Whole-Slide Images of Liver Tissue. Journal of Pathology Informatics, 2022, 13, 100001.	1.7	1
12	Classification of Developmental Toxicants in a Human iPSC Transcriptomics-Based Test. Chemical Research in Toxicology, 2022, , .	3.3	4
13	td2pLL: An intuitive time-dose-response model for cytotoxicity data with varying exposure durations. Computational Toxicology, 2022, 23, 100234.	3.3	0
14	Intravital Dynamic and Correlative Imaging of Mouse Livers Reveals Diffusionâ€Dominated Canalicular and Flowâ€Augmented Ductular Bile Flux. Hepatology, 2021, 73, 1531-1550.	7.3	29
15	Intestinal Dysbiosis Amplifies Acetaminophen-Induced Acute Liver Injury. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 909-933.	4.5	62
16	Comparing in vitro human liver models to in vivo human liver using RNA-Seq. Archives of Toxicology, 2021, 95, 573-589.	4.2	47
17	Gene Expressionâ€“Based Prediction of Neoadjuvant Chemotherapy Response in Early Breast Cancer: Results of the Prospective Multicenter EXPRESSION Trial. Clinical Cancer Research, 2021, 27, 2148-2158.	7.0	12
18	Subcellular spatio-temporal intravital kinetics of aflatoxin B1 and ochratoxin A in liver and kidney. Archives of Toxicology, 2021, 95, 2163-2177.	4.2	15

#	Article	IF	Citations
19	Contribution to the ongoing discussion on fluoride toxicity. Archives of Toxicology, 2021, 95, 2571-2587.	4.2	12
20	REPLY:. Hepatology, 2021, 74, 1133-1133.	7.3	1
21	Epigenomic and transcriptional profiling identifies impaired glyoxylate detoxification in NAFLD as a risk factor for hyperoxaluria. Cell Reports, 2021, 36, 109526.	6.4	22
22	Spatio-Temporal Multiscale Analysis of Western Diet-Fed Mice Reveals a Translationally Relevant Sequence of Events during NAFLD Progression. Cells, 2021, 10, 2516.	4.1	24
23	Gut microbiota depletion exacerbates cholestatic liver injury via loss of FXR signalling. Nature Metabolism, 2021, 3, 1228-1241.	11.9	65
24	Enigmatic mechanism of the N-vinylpyrrolidone hepatocarcinogenicity in the rat. Archives of Toxicology, 2021, 95, 3717-3744.	4.2	1
25	On the Mechanisms of Biliary Flux. Hepatology, 2021, 74, 3497-3512.	7.3	10
26	The pyrrolizidine alkaloid senecionine induces CYP-dependent destruction of sinusoidal endothelial cells and cholestasis in mice. Archives of Toxicology, 2020, 94, 219-229.	4.2	33
27	Development of a neural rosette formation assay (RoFA) to identify neurodevelopmental toxicants and to characterize their transcriptome disturbances. Archives of Toxicology, 2020, 94, 151-171.	4.2	32
28	Inflammation-associated suppression of metabolic gene networks in acute and chronic liver disease. Archives of Toxicology, 2020, 94, 205-217.	4.2	32
29	Comparison of points of departure between subchronic and chronic toxicity studies on food additives, food contaminants and natural food constituents. Food and Chemical Toxicology, 2020, 146, 111784.	3.6	4
30	Kinetic modeling of stem cell transcriptome dynamics to identify regulatory modules of normal and disturbed neuroectodermal differentiation. Nucleic Acids Research, 2020, 48, 12577-12592.	14.5	13
31	Prediction of single-cell gene expression for transcription factor analysis. GigaScience, 2020, 9, .	6.4	11
32	Handling deviating control values in concentration-response curves. Archives of Toxicology, 2020, 94, 3787-3798.	4.2	9
33	Unmasking selective path integration deficits in Alzheimerâ€™s disease risk carriers. Science Advances, 2020, 6, eaba1394.	10.3	55
34	Hepatotoxic pyrrolizidine alkaloids induce DNA damage response in rat liver in a 28-day feeding study. Archives of Toxicology, 2020, 94, 1739-1751.	4.2	25
35	The rapid development of computational toxicology. Archives of Toxicology, 2020, 94, 1371-1372.	4.2	5
36	Toxicity of fluoride: critical evaluation of evidence for human developmental neurotoxicity in epidemiological studies, animal experiments and in vitro analyses. Archives of Toxicology, 2020, 94, 1375-1415.	4.2	109

#	Article	IF	Citations
37	Long-term simulation of lead concentrations in agricultural soils in relation to human adverse health effects. Archives of Toxicology, 2020, 94, 2319-2329.	4.2	6
38	Human exposure to synthetic endocrine disrupting chemicals (S-EDCs) is generally negligible as compared to natural compounds with higher or comparable endocrine activity. How to evaluate the risk of the S-EDCs?. Toxicology Letters, 2020, 331, 259-264.	0.8	1
39	Human exposure to synthetic endocrine disrupting chemicals (S-EDCs) is generally negligible as compared to natural compounds with higher or comparable endocrine activity: how to evaluate the risk of the S-EDCs?. Archives of Toxicology, 2020, 94, 2549-2557.	4.2	11
40	Human exposure to synthetic endocrine disrupting chemicals (S-EDCs) is generally negligible as compared to natural compounds with higher or comparable endocrine activity. How to evaluate the risk of the S-EDCs?. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2020, 83, 485-494.	2.3	8
41	The EU-ToxRisk method documentation, data processing and chemical testing pipeline for the regulatory use of new approach methods. Archives of Toxicology, 2020, 94, 2435-2461.	4.2	30
42	Human exposure to synthetic endocrine disrupting chemicals (S-EDCs) is generally negligible as compared to natural compounds with higher or comparable endocrine activity. How to evaluate the risk of the S-EDCs?. Environmental Toxicology and Pharmacology, 2020, 78, 103396.	4.0	1
43	Human exposure to synthetic endocrine disrupting chemicals (S-EDCs) is generally negligible as compared to natural compounds with higher or comparable endocrine activity. How to evaluate the risk of the S-EDCs?. Food and Chemical Toxicology, 2020, 142, 111349.	3.6	1
44	In vitro prediction of organ toxicity: the challenges of scaling and secondary mechanisms of toxicity. Archives of Toxicology, 2020, 94, 353-356.	4.2	24
45	Enhanced activation of human NK cells by drug-exposed hepatocytes. Archives of Toxicology, 2020, 94, 439-448.	4.2	9
46	Towards improved hepatocyte cultures: Progress and limitations. Food and Chemical Toxicology, 2020, 138, 111188.	3.6	49
47	Interference with ERK-dimerization at the nucleocytosolic interface targets pathological ERK1/2 signaling without cardiotoxic side-effects. Nature Communications, 2020, 11, 1733.	12.8	38
48	Critical evaluation of human health risks due to hydraulic fracturing in natural gas and petroleum production. Archives of Toxicology, 2020, 94, 967-1016.	4.2	36
49	Human exposure to synthetic endocrine disrupting chemicals (S-EDCs) is generally negligible as compared to natural compounds with higher or comparable endocrine activity. How to evaluate the risk of the S-EDCs?. Chemico-Biological Interactions, 2020, 326, 109099.	4.0	5
50	Human exposure to synthetic endocrine disrupting chemicals (S-EDCs) is generally negligible as compared to natural compounds with higher or comparable endocrine activity. How to evaluate the risk of the S-EDCs?. Toxicology in Vitro, 2020, 67, 104861.	2.4	5
51	Bile Microinfarcts in Cholestasis Are Initiated by Rupture of the Apical Hepatocyte Membrane and Cause Shunting of Bile to Sinusoidal Blood. Hepatology, 2019, 69, 666-683.	7.3	89
52	Prediction of human drug-induced liver injury (DILI) in relation to oral doses and blood concentrations. Archives of Toxicology, 2019, 93, 1609-1637.	4.2	86
53	Satirical contributions in toxicology. Archives of Toxicology, 2019, 93, 1471-1471.	4.2	0
54	Mechanical strain mimicking breathing amplifies alterations in gene expression induced by SiO₂ NPs in lung epithelial cells. Nanotoxicology, 2019, 13, 1227-1243.	3.0	7

#	Article	IF	Citations
55	IGF2 mRNA Binding Protein 2 Transgenic Mice Are More Prone to Develop a Ductular Reaction and to Progress Toward Cirrhosis. Frontiers in Medicine, 2019, 6, 179.	2.6	12
56	Road Map for Development of Stem Cell-Based Alternative Test Methods. Trends in Molecular Medicine, 2019, 25, 470-481.	6.7	42
57	Hepatic Osteodystrophyâ€"Molecular Mechanisms Proposed to Favor Its Development. International Journal of Molecular Sciences, 2019, 20, 2555.	4.1	43
58	Pipe-3D: A Pipeline Based on Immunofluorescence, 3D Confocal Imaging, Reconstructions, and Morphometry for Biliary Network Analysis in Cholestasis. Methods in Molecular Biology, 2019, 1981, 25-53.	0.9	7
59	HR-MAS NMR Based Quantitative Metabolomics in Breast Cancer. Metabolites, 2019, 9, 19.	2.9	31
60	Towards grouping concepts based on new approach methodologies in chemical hazard assessment: the read-across approach of the EU-ToxRisk project. Archives of Toxicology, 2019, 93, 3643-3667.	4.2	82
61	Influence of Liver Fibrosis on Lobular Zonation. Cells, 2019, 8, 1556.	4.1	51
62	In vitro proteomic analysis of methapyrilene toxicity in rat hepatocytes reveals effects on intermediary metabolism. Archives of Toxicology, 2019, 93, 369-383.	4.2	4
63	Model Prediction and Validation of an Order Mechanism Controlling the Spatiotemporal Phenotype of Early Hepatocellular Carcinoma. Bulletin of Mathematical Biology, 2018, 80, 1134-1171.	1.9	21
64	Modulating Portal Hemodynamics With Vascular Ring Allows Efficient Regeneration After Partial Hepatectomy in a Porcine Model. Annals of Surgery, 2018, 268, 134-142.	4.2	17
65	The MAK-commission: finding solutions to societyâ€™s future challenges. Archives of Toxicology, 2018, 92, 3247-3249.	4.2	2
66	Toxicogenomics directory of rat hepatotoxicants in vivo and in cultivated hepatocytes. Archives of Toxicology, 2018, 92, 3517-3533.	4.2	46
67	Cellular Clearance and Biological Activity of Calciprotein Particles Depend on Their Maturation State and Crystallinity. Frontiers in Immunology, 2018, 9, 1991.	4.8	84
68	Relevance of the incubation period in cytotoxicity testing with primary human hepatocytes. Archives of Toxicology, 2018, 92, 3505-3515.	4.2	41
69	Assessment of stem cell differentiation based on genome-wide expression profiles. Philosophical Transactions of the Royal Society B: Biological Sciences, 2018, 373, 20170221.	4.0	26
70	Confounding influence of tamoxifen in mouse models of Cre recombinase-induced gene activity or modulation. Archives of Toxicology, 2018, 92, 2549-2561.	4.2	20
71	Spatio-temporal visualization of the distribution of acetaminophen as well as its metabolites and adducts in mouse livers by MALDI MSI. Archives of Toxicology, 2018, 92, 2963-2977.	4.2	51
72	Characterization of hepatocyte-based in vitro systems for reliable toxicity testing. Archives of Toxicology, 2018, 92, 2981-2986.	4.2	40

#	Article	IF	Citations
73	Impact of intratumoral heterogeneity of breast cancer tissue on quantitative metabolomics using highâ€resolution magic angle spinning ¹H NMR spectroscopy. NMR in Biomedicine, 2018, 31, e3862.	2.8	25
74	Comparative analysis of 3D culture methods on human HepG2 cells. Archives of Toxicology, 2017, 91, 393-406.	4.2	78
75	Definition of transcriptome-based indices for quantitative characterization of chemically disturbed stem cell development: introduction of the STOP-Toxukn and STOP-Toxukk tests. Archives of Toxicology, 2017, 91, 839-864.	4.2	53
76	Fingerprinting of neurotoxic compounds using a mouse embryonic stem cell dual luminescence reporter assay. Archives of Toxicology, 2017, 91, 365-391.	4.2	16
77	TGF-Î²1 impairs mechanosensation of human osteoblasts via HDAC6-mediated shortening and distortion of primary cilia. Journal of Molecular Medicine, 2017, 95, 653-663.	3.9	46
78	Metabolic profiling of ob/ob mouse fatty liver using HR-MAS 1H-NMR combined with gene expression analysis reveals alterations in betaine metabolism and the transsulfuration pathway. Analytical and Bioanalytical Chemistry, 2017, 409, 1591-1606.	3.7	26
79	In vivo imaging of systemic transport and elimination of xenobiotics and endogenous molecules in mice. Archives of Toxicology, 2017, 91, 1335-1352.	4.2	64
80	Stem Cell Transcriptome Responses and Corresponding Biomarkers That Indicate the Transition from Adaptive Responses to Cytotoxicity. Chemical Research in Toxicology, 2017, 30, 905-922.	3.3	37
81	The ascending pathophysiology of cholestatic liver disease. Hepatology, 2017, 65, 722-738.	7.3	236
82	Adverse outcome pathways: opportunities, limitations and open questions. Archives of Toxicology, 2017, 91, 3477-3505.	4.2	282
83	Identification and replication of the interplay of four genetic high-risk variants for urinary bladder cancer. Carcinogenesis, 2017, 38, 1167-1179.	2.8	18
84	A frequent misinterpretation in current research on liver fibrosis: the vessel in the center of CCl4-induced pseudolobules is a portal vein. Archives of Toxicology, 2017, 91, 3689-3692.	4.2	23
85	Physiologically-based modelling in mice suggests an aggravated loss of clearance capacity after toxic liver damage. Scientific Reports, 2017, 7, 6224.	3.3	57
86	Urinary cadmium levels in active and retired coal miners. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 405-410.	2.3	10
87	Urinary bladder cancer risk factors in an area of former coal, iron, and steel industries in Germany. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 430-438.	2.3	24
88	Micro-brushing-based technique to gain fresh urothelial cells for gene expression analysis. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 411-416.	2.3	1
89	N-acetyltransferase 1*10 genotype in bladder cancer patients. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 417-422.	2.3	10
90	Occupational bladder cancer: Polymorphisms of xenobiotic metabolizing enzymes, exposures, and prognosis. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 439-452.	2.3	25

#	Article	IF	Citations
91	Polymorphisms of xenobiotic metabolizing enzymes in bladder cancer patients of the Semmelweis University Budapest, Hungary. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2017, 80, 423-429.	2.3	11
92	Creation of Three-Dimensional Liver Tissue Models from Experimental Images for Systems Medicine. Methods in Molecular Biology, 2017, 1506, 319-362.	0.9	19
93	Epidermal growth factor signaling protects from cholestatic liver injury and fibrosis. Journal of Molecular Medicine, 2017, 95, 109-117.	3.9	21
94	Characterization of a Fetal Liver Cell Population Endowed with Long-Term Multiorgan Endothelial Reconstitution Potential. Stem Cells, 2017, 35, 507-521.	3.2	6
95	Combining transcription factor binding affinities with open-chromatin data for accurate gene expression prediction. Nucleic Acids Research, 2017, 45, 54-66.	14.5	112
96	Third symposium on Environmental Toxicology in North Rhine-Westphalia, Germany: Interdisciplinary Research Activities in Toxicology, Statistics, Hygiene and Medicine. Archives of Toxicology, 2017, 91, 3711-3715.	4.2	0
97	Natural Killer Cells and Liver Fibrosis. Frontiers in Immunology, 2016, 7, 19.	4.8	112
98	Towards knowledge-driven cross-species extrapolation. Drug Discovery Today: Disease Models, 2016, 22, 21-26.	1.2	3
99	Occupational risk factors for relapse-free survival in bladder cancer patients. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2016, 79, 1136-1143.	2.3	13
100	Occupational risk factors for prostate cancer in an area of former coal, iron, and steel industries in Germany. Part 2: results from a study performed in the 1990s. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2016, 79, 1130-1135.	2.3	6
101	Cholestasisâ€induced adaptive remodeling of interlobular bile ducts. Hepatology, 2016, 63, 951-964.	7.3	114
102	Highlight report: Launch of a large integrated European in vitro toxicology project: EU-ToxRisk. Archives of Toxicology, 2016, 90, 1021-1024.	4.2	43
103	Conflict of interest statements: current dilemma and a possible way forward. Archives of Toxicology, 2016, 90, 2293-2295.	4.2	4
104	Allowing pseudoscience into EU risk assessment processes is eroding public trust in science experts and in science as a whole: The bigger picture. Chemico-Biological Interactions, 2016, 257, 1-3.	4.0	11
105	From bisphenol A to bisphenol F and a ban of mustard due to chronic low-dose exposures?. Archives of Toxicology, 2016, 90, 489-491.	4.2	25
106	Gene network activity in cultivated primary hepatocytes is highly similar to diseased mammalian liver tissue. Archives of Toxicology, 2016, 90, 2513-2529.	4.2	100
107	Bile canaliculi formation and biliary transport in 3D sandwich-cultured hepatocytes in dependence of the extracellular matrix composition. Archives of Toxicology, 2016, 90, 2497-2511.	4.2	46
108	Identification of transcriptome signatures and biomarkers specific for potential developmental toxicants inhibiting human neural crest cell migration. Archives of Toxicology, 2016, 90, 159-180.	4.2	43

#	Article	IF	Citations
109	Model-guided identification of a therapeutic strategy to reduce hyperammonemia in liver diseases. Journal of Hepatology, 2016, 64, 860-871.	3.7	110
110	MicroRNAs as early toxicity signatures of doxorubicin in human-induced pluripotent stem cell-derived cardiomyocytes. Archives of Toxicology, 2016, 90, 3087-3098.	4.2	77
111	Hepatotoxicity of piperazine designer drugs: up-regulation of key enzymes of cholesterol and lipid biosynthesis. Archives of Toxicology, 2016, 90, 3045-3060.	4.2	31
112	Identification of genomic biomarkers for anthracycline-induced cardiotoxicity in human iPSC-derived cardiomyocytes: an in vitro repeated exposure toxicity approach for safety assessment. Archives of Toxicology, 2016, 90, 2763-2777.	4.2	87
113	Recombinant Laminins Drive the Differentiation and Self-Organization of hESC-Derived Hepatocytes. Stem Cell Reports, 2015, 5, 1250-1262.	4.8	123
114	Optimality in the zonation of ammonia detoxification in rodent liver. Archives of Toxicology, 2015, 89, 2069-2078.	4.2	36
115	TiQuant: software for tissue analysis, quantification and surface reconstruction. Bioinformatics, 2015, 31, 3234-3236.	4.1	39
116	Identification of sample annotation errors in gene expression datasets. Archives of Toxicology, 2015, 89, 2265-2272.	4.2	46
117	3D spherical microtissues and microfluidic technology for multi-tissue experiments and analysis. Journal of Biotechnology, 2015, 205, 24-35.	3.8	121
118	Invitation to an open scientific discussion. Archives of Toxicology, 2015, 89, 1-2.	4.2	6
119	Bile canalicular dynamics in hepatocyte sandwich cultures. Archives of Toxicology, 2015, 89, 1861-1870.	4.2	49
120	A transcriptome-based classifier to identify developmental toxicants by stem cell testing: design, validation and optimization for histone deacetylase inhibitors. Archives of Toxicology, 2015, 89, 1599-1618.	4.2	82
121	The ultra-slow NAT2*6A haplotype is associated with reduced higher cognitive functions in an elderly study group. Archives of Toxicology, 2015, 89, 2291-2303.	4.2	11
122	Gene networks and transcription factor motifs defining the differentiation of stem cells into hepatocyte-like cells. Journal of Hepatology, 2015, 63, 934-942.	3.7	165
123	A Systematic Evaluation of the Use of Physiologically Based Pharmacokinetic Modeling for Cross-Species Extrapolation. Journal of Pharmaceutical Sciences, 2015, 104, 191-206.	3.3	99
124	Featured Article: Isolation, characterization, and cultivation of human hepatocytes and non-parenchymal liver cells. Experimental Biology and Medicine, 2015, 240, 645-656.	2.4	82
125	Gelsolin Is Associated with Longer Metastasis-free Survival and Reduced Cell Migration in Estrogen Receptor-positive Breast Cancer. Anticancer Research, 2015, 35, 5277-85.	1.1	29
126	Toxicogenomics directory of chemically exposed human hepatocytes. Archives of Toxicology, 2014, 88, 2261-2287.	4.2	143

#	Article	IF	Citations
127	Fatty Acid Elongation in Non-Alcoholic Steatohepatitis and Hepatocellular Carcinoma. International Journal of Molecular Sciences, 2014, 15, 5762-5773.	4.1	45
128	The virtual liver: state of the art and future perspectives. Archives of Toxicology, 2014, 88, 2071-2075.	4.2	41
129	Toxoplasma gondii impairs memory in infected seniors. Brain, Behavior, and Immunity, 2014, 36, 193-199.	4.1	75
130	Design Principles of Concentration-Dependent Transcriptome Deviations in Drug-Exposed Differentiating Stem Cells. Chemical Research in Toxicology, 2014, 27, 408-420.	3.3	103
131	Reconfigurable microfluidic hanging drop network for multi-tissue interaction and analysis. Nature Communications, 2014, 5, 4250.	12.8	319
132	Chronic CCl4 intoxication causes liver and bone damage similar to the human pathology of hepatic osteodystrophy: a mouse model to analyse the liverâ€“bone axis. Archives of Toxicology, 2014, 88, 997-1006.	4.2	41
133	The transcription factor CHOP, a central component of the transcriptional regulatory network induced upon CCl4 intoxication in mouse liver, is not a critical mediator of hepatotoxicity. Archives of Toxicology, 2014, 88, 1267-1280.	4.2	58
134	Protocols for staining of bile canalicular and sinusoidal networks of human, mouse and pig livers, three-dimensional reconstruction and quantification of tissue microarchitecture by image processing and analysis. Archives of Toxicology, 2014, 88, 1161-1183.	4.2	129
135	From transient transcriptome responses to disturbed neurodevelopment: role of histone acetylation and methylation as epigenetic switch between reversible and irreversible drug effects. Archives of Toxicology, 2014, 88, 1451-1468.	4.2	67
136	Modular Microfluidic System for Emulation of Human Phase I/Phase II Metabolism. Analytical Chemistry, 2014, 86, 3068-3074.	6.5	20
137	Acrylamide alters neurotransmitter induced calcium responses in murine ESC-derived and primary neurons. NeuroToxicology, 2014, 43, 117-126.	3.0	34
138	How predictive quantitative modelling of tissue organisation can inform liver disease pathogenesis. Journal of Hepatology, 2014, 61, 951-956.	3.7	64
139	Integrated metabolic spatialâ€temporal model for the prediction of ammonia detoxification during liver damage and regeneration. Hepatology, 2014, 60, 2040-2051.	7.3	109
140	Lineage-Specific Regulation of Epigenetic Modifier Genes in Human Liver and Brain. PLoS ONE, 2014, 9, e102035.	2.5	32
141	Improvements in Algorithms for Phenotype Inference: The NAT2 Example. Current Drug Metabolism, 2014, 15, 233-249.	1.2	19
142	Recent advances in 2D and 3D in vitro systems using primary hepatocytes, alternative hepatocyte sources and non-parenchymal liver cells and their use in investigating mechanisms of hepatotoxicity, cell signaling and ADME. Archives of Toxicology, 2013, 87, 1315-1530.	4.2	1,089
143	Monocrotophos in Gandaman village: India school lunch deaths and need for improved toxicity testing. Archives of Toxicology, 2013, 87, 1877-1881.	4.2	30
144	Refinement of the prediction of N-acetyltransferase 2 (NAT2) phenotypes with respect to enzyme activity and urinary bladder cancer risk. Archives of Toxicology, 2013, 87, 2129-2139.	4.2	60

#	Article	IF	Citations
145	Test systems of developmental toxicity: state-of-the art and future perspectives. Archives of Toxicology, 2013, 87, 2037-2042.	4.2	29
146	Human embryonic stem cell-derived test systems for developmental neurotoxicity: a transcriptomics approach. Archives of Toxicology, 2013, 87, 123-143.	4.2	222
147	Pharmacokinetics explain in vivo/in vitro discrepancies of carcinogen-induced gene expression alterations in rat liver and cultivated hepatocytes. Archives of Toxicology, 2013, 87, 337-345.	4.2	49
148	The functional tumor necrosis factor-Î± (308A/G) polymorphism modulates attentional selection in elderly individuals. Neurobiology of Aging, 2013, 34, 2694.e1-2694.e12.	3.1	20
149	Modeling hepatic osteodystrophy in Abcb4 deficient mice. Bone, 2013, 55, 501-511.	2.9	20
150	BDNF Val66Met polymorphism and goal-directed behavior in healthy elderly â€" evidence from auditory distraction. NeuroImage, 2013, 64, 290-298.	4.2	46
151	Open letter to the European commission: scientifically unfounded precaution drives European commissionâ€™s recommendations on EDC regulation, while defying common sense, well-established science, and risk assessment principles. Archives of Toxicology, 2013, 87, 1739-1741.	4.2	24
152	Clarifying haplotype ambiguity of NAT2 in multi-national cohorts. Frontiers in Bioscience - Scholar, 2013, S5, 672-684.	2.1	10
153	Bladder Cancer Survival in a Former Industrial Area in Saxony-Anhalt, Germany. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 1216-1225.	2.3	12
154	Bladder Cancer in Crack Testers Applying Azo Dye-Based Sprays to Metal Bodies. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 566-571.	2.3	24
155	Choline-releasing glycerophosphodiesterase EDI3 drives tumor cell migration and metastasis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8155-8160.	7.1	109
156	Optimal Strategies for Sequential Validation of Significant Features from High-Dimensional Genomic Data. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 447-460.	2.3	8
157	Miners Compensated for Pneumoconiosis and GlutathioneS-Transferases M1 and T1 Genotypes. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 582-587.	2.3	4
158	Human Hepatocytes: Isolation, Culture, and Quality Procedures. Methods in Molecular Biology, 2012, 806, 99-120.	0.9	46
159	Rs11892031[A] on chromosome 2q37 in an intronic region of the UGT1A locus is associated with urinary bladder cancer risk. Archives of Toxicology, 2012, 86, 1369-1378.	4.2	32
160	N-Acetyltransferase 2 and GlutathioneS-Transferase M1 in Colon and Rectal Cancer Cases from an Industrialized Area. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 572-581.	2.3	1
161	Rab5 is necessary for the biogenesis of the endolysosomal system in vivo. Nature, 2012, 485, 465-470.	27.8	322
162	Polymorphic Enzymes, Urinary Bladder Cancer Risk, and Structural Change in the Local Industry. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 557-565.	2.3	48

#	Article	IF	Citations
163	Urinary bladder cancer risk in relation to a single nucleotide polymorphism (rs2854744) in the insulin-like growth factor-binding protein-3 (IGFBP3) gene. Archives of Toxicology, 2012, 86, 195-203.	4.2	14
164	Highlight report: towards the replacement of in vivo repeated dose systemic toxicity testing. Archives of Toxicology, 2012, 86, 13-15.	4.2	18
165	Distinct SNP Combinations Confer Susceptibility to Urinary Bladder Cancer in Smokers and Non-Smokers. PLoS ONE, 2012, 7, e51880.	2.5	34
166	Cluster Analytic Strategy for Identification of Metagenes Relevant for Prognosis of Node Negative Breast Cancer. Studies in Classification, Data Analysis, and Knowledge Organization, 2012, , 475-483.	0.2	0
167	Augmenter of liver regeneration (ALR) protects human hepatocytes against apoptosis. Biochemical and Biophysical Research Communications, 2011, 404, 148-152.	2.1	45
168	Phenotype of single hepatocytes expressing an activated version of Î²-catenin in liver of transgenic mice. Journal of Molecular Histology, 2011, 42, 393-400.	2.2	24
169	A physiologically based toxicokinetic modelling approach to predict relevant concentrations for in vitro testing. Archives of Toxicology, 2011, 85, 555-563.	4.2	28
170	Genetic variants in urinary bladder cancer: collective power of the â€œwimp SNPsâ€• Archives of Toxicology, 2011, 85, 539-554.	4.2	65
171	Genotyping NAT2 with only two SNPs (rs1041983 and rs1801280) outperforms the tagging SNP rs1495741 and is equivalent to the conventional 7-SNP NAT2 genotype. Pharmacogenetics and Genomics, 2011, 21, 673-678.	1.5	50
172	Oxidative stress and hepatic carcinogenesis: new insights and applications. Archives of Toxicology, 2010, 84, 87-88.	4.2	5
173	Gene array screening for identification of drugs with low levels of adverse side effects. Archives of Toxicology, 2010, 84, 253-254.	4.2	8
174	Rs710521[A] on chromosome 3q28 close to TP63 is associated with increased urinary bladder cancer risk. Archives of Toxicology, 2010, 84, 967-978.	4.2	37
175	Phenotype and growth behavior of residual Î²-catenin-positive hepatocytes in livers of Î²-catenin-deficient mice. Histochemistry and Cell Biology, 2010, 134, 469-481.	1.7	37
176	Comparison of scores for bimodality of gene expression distributions and genome-wide evaluation of the prognostic relevance of high-scoring genes. BMC Bioinformatics, 2010, 11, 276.	2.6	48
177	Transcription factors ETF, E2F, and SP-1 are involved in cytokine-independent proliferation of murine hepatocytes. Hepatology, 2010, 52, 2127-2136.	7.3	95
178	A sequence variant at 4p16.3 confers susceptibility to urinary bladder cancer. Nature Genetics, 2010, 42, 415-419.	21.4	169
179	A multi-stage genome-wide association study of bladder cancer identifies multiple susceptibility loci. Nature Genetics, 2010, 42, 978-984.	21.4	493
180	Dexamethasone-dependent versus -independent markers of epithelial to mesenchymal transition in primary hepatocytes. Biological Chemistry, 2010, 391, 73-83.	2.5	43

#	Article	IF	Citations
181	Augmenter of liver regeneration causes different kinetics of ERK1/2 and Akt/PKB phosphorylation than EGF and induces hepatocyte proliferation in an EGF receptor independent and liver specific manner. Biochemical and Biophysical Research Communications, 2010, 394, 915-920.	2.1	35
182	Prediction and validation of cell alignment along microvessels as order principle to restore tissue architecture in liver regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10371-10376.	7.1	338
183	Role of thioredoxin reductase 1 and thioredoxin interacting protein in prognosis of breast cancer. Breast Cancer Research, 2010, 12, R44.	5.0	180
184	Reversible Manipulation of Apoptosis Sensitivity in Cultured Hepatocytes by Matrix-Mediated Manipulation of Signaling Activities. Methods in Molecular Biology, 2010, 640, 139-155.	0.9	17
185	Extracellular matrix modulates sensitivity of hepatocytes to fibroblastoid dedifferentiation and transforming growth factor Î²-induced apoptosis. Hepatology, 2009, 49, 2031-2043.	7.3	217
186	Distinct subtypes of urinary bladder epithelial cells with inducible and non-inducible cytochrome P450 1A1. Archives of Toxicology, 2009, 83, 131-138.	4.2	12
187	Editorial Manager System for online manuscript submission to Archives of Toxicology. Archives of Toxicology, 2009, 83, 3-3.	4.2	0
188	Can drinking tea prevent cancer?. Archives of Toxicology, 2009, 83, 1-2.	4.2	5
189	A rapid and easy to handle thermoluminescence based technique for evaluation of carbon tetrachloride-induced oxidative stress on rat hepatocytes. Archives of Toxicology, 2009, 83, 709-720.	4.2	17
190	Low-dose extrapolation in toxicology: an old controversy revisited. Archives of Toxicology, 2009, 83, 197-198.	4.2	4
191	Mechanisms of telomere maintenance and attrition: linking cancer and ageing. Archives of Toxicology, 2009, 83, 405-406.	4.2	0
192	Alcohol-induced liver injury: how a small molecule overwhelms one of the cell types with the best regeneration capacity of the human body. Archives of Toxicology, 2009, 83, 513-514.	4.2	1
193	Predicting drug metabolism-dependent toxicity. Archives of Toxicology, 2009, 83, 635-638.	4.2	2
194	Evaluation of carbon tetrachloride-induced stress on rat hepatocytes by 31P NMR and MALDI-TOF mass spectrometry: lysophosphatidylcholine generation from unsaturated phosphatidylcholines. Chemistry and Physics of Lipids, 2009, 159, 21-29.	3.2	18
195	Susceptibility to urinary bladder cancer: relevance of rs9642880[T], GSTM1 0/0 and occupational exposure. Pharmacogenetics and Genomics, 2009, 19, 903-906.	1.5	55
196	Long term cultures of primary human hepatocytes as an alternative to drug testing in animals. ALTEX: Alternatives To Animal Experimentation, 2009, 26, 295-302.	1.5	32
197	Cadmium, cobalt and lead cause stress response, cell cycle deregulation and increased steroid as well as xenobiotic metabolism in primary normal human bronchial epithelial cells which is coordinated by at least nine transcription factors. Archives of Toxicology, 2008, 82, 513-524.	4.2	54
198	Synergism of aromatic amines and benzo[a]pyrene in induction of Ah receptor-dependent genes. Archives of Toxicology, 2008, 82, 973-980.	4.2	24

#	Article	IF	Citations
199	Tracking of human cells in mice. Histochemistry and Cell Biology, 2008, 130, 329-338.	1.7	43
200	Distribution of detoxifying genes polymorphism in Maharastrian population of central India. Chemosphere, 2008, 70, 1835-1839.	8.2	19
201	Prediction of paclitaxel resistance in breast cancer: isCYP1B1*3a new factor of influence?. Pharmacogenomics, 2008, 9, 969-974.	1.3	23
202	The Humoral Immune System Has a Key Prognostic Impact in Node-Negative Breast Cancer. Cancer Research, 2008, 68, 5405-5413.	0.9	730
203	Heavy Metal Status and Oxidative Stress in Diesel Engine Tuning Workers of Central Indian Population. Journal of Occupational and Environmental Medicine, 2007, 49, 1228-1234.	1.7	21
204	Functional integration of hepatocytes derived from human mesenchymal stem cells into mouse livers. Gut, 2007, 56, 405-415.	12.1	278
205	Primary Hepatocytes: Current Understanding of the Regulation of Metabolic Enzymes and Transporter Proteins, and Pharmaceutical Practice for the Use of Hepatocytes in Metabolism, Enzyme Induction, Transporter, Clearance, and Hepatotoxicity Studies. Drug Metabolism Reviews, 2007, 39, 159-234.	3.6	673
206	Fate of extrahepatic human stem and precursor cells after transplantation into mouse livers. Hepatology, 2007, 46, 861-870.	7.3	92
207	Mathematical modelling of liver regeneration after intoxication with CCl4. Chemico-Biological Interactions, 2007, 168, 74-93.	4.0	77
208	Induction and control of oxidative stress. Archives of Toxicology, 2007, 81, 823-824.	4.2	12
209	Present status and perspectives of cell-based therapies for liver diseases. Journal of Hepatology, 2006, 45, 144-159.	3.7	183
210	Influence of CYP2D6 polymorphism on 3,4-methylenedioxymethamphetamine (â€˜Ecstasyâ€™) cytotoxicity. Pharmacogenetics and Genomics, 2006, 16, 789-799.	1.5	44
211	Dephosphorylation of p-ERK1/2 in relation to tumor remission after HER-2 and Raf1 blocking therapy in a conditional mouse tumor model. Molecular Carcinogenesis, 2006, 45, 302-308.	2.7	12
212	ERBB2-Mediated Transcriptional Up-regulation of the Î±5Î²1 Integrin Fibronectin Receptor Promotes Tumor Cell Survival Under Adverse Conditions. Cancer Research, 2006, 66, 3715-3725.	0.9	65
213	Human Monocyte-Derived Neohepatocytes: A Promising Alternative to Primary Human Hepatocytes for Autologous Cell Therapy. Transplantation, 2005, 79, 1097-1103.	1.0	71
214	SPOC1, a novel PHD-finger protein: Association with residual disease and survival in ovarian cancer. International Journal of Cancer, 2005, 116, 547-554.	5.1	24
215	Differentiation of In Vitroâ€“Modified Human Peripheral Blood Monocytes Into Hepatocyteâ€“like and Pancreatic Islet-like Cells. Gastroenterology, 2005, 128, 1774-1786.	1.3	194
216	Generation of human hepatocytes by stem cell technology: definition of the hepatocyte. Expert Opinion on Drug Metabolism and Toxicology, 2005, 1, 61-74.	3.3	109

#	Article	IF	Citations
217	Premature senescence is a primary fail-safe mechanism of ERBB2-driven tumorigenesis in breast carcinoma cells. Cancer Research, 2005, 65, 840-9.	0.9	62
218	Comparative metabolism of the designer drug 4-methylthioamphetamine by hepatocytes from man, monkey, dog, rabbit, rat and mouse. Naunyn-Schmiedeberg's Archives of Pharmacology, 2004, 369, 198-205.	3.0	40
219	Carcinogenicity categorization of chemicalsâ€"new aspects to be considered in a European perspective. Toxicology Letters, 2004, 151, 29-41.	0.8	172
220	New Hepatocyte In Vitro Systems for Drug Metabolism: Metabolic Capacity and Recommendations for Application in Basic Research and Drug Development, Standard Operation Procedures. Drug Metabolism Reviews, 2003, 35, 145-213.	3.6	248
221	Occupational exposure to heavy metals: DNA damage induction and DNA repair inhibition prove co-exposures to cadmium, cobalt and lead as more dangerous than hitherto expected. Carcinogenesis, 2003, 24, 63-73.	2.8	223
222	Switching off HER-2/neu in a tetracycline-controlled mouse tumor model leads to apoptosis and tumor-size-dependent remission. Cancer Research, 2003, 63, 7221-31.	0.9	34
223	A global DNA repair mechanism involving the Cockayne syndrome B (CSB) gene product can prevent the in vivo accumulation of endogenous oxidative DNA base damage. Oncogene, 2002, 21, 8232-8239.	5.9	130
224	Cultures with cryopreserved hepatocytes: applicability for studies of enzyme induction. Chemico-Biological Interactions, 2000, 125, 51-73.	4.0	73
225	CRYOPRESERVED PRIMARY HEPATOCYTES AS A CONSTANTLY AVAILABLE IN VITRO MODEL FOR THE EVALUATION OF HUMAN AND ANIMAL DRUG METABOLISM AND ENZYME INDUCTION*. Drug Metabolism Reviews, 2000, 32, 81-118.	3.6	257
226	A Multiplex Polymerase Chain Reaction Protocol for the Simultaneous Analysis of the GlutathioneS-Transferase GSTM1 and GSTT1 Polymorphisms. Analytical Biochemistry, 1996, 236, 184-186.	2.4	304
227	From Seeing to Simulating: A Survey of Imaging Techniques and Spatially-Resolved Data for Developing Multiscale Computational Models of Liver Regeneration. Frontiers in Systems Biology, 0, 2, .	0.7	3