# 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 | 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 |
| 2 | The Humoral Immune System Has a Key Prognostic Impact in Node-Negative Breast Cancer. Cancer Research, 2008, 68, 5405-5413. | 0.9 | 730 |
| 3 | 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 |
| 4 | A multi-stage genome-wide association study of bladder cancer identifies multiple susceptibility loci. Nature Genetics, 2010, 42, 978-984. | 21.4 | 493 |
| 5 | 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 |
| 6 | Rab5 is necessary for the biogenesis of the endolysosomal system in vivo. Nature, 2012, 485, 465-470. | 27.8 | 322 |
| 7 | Reconfigurable microfluidic hanging drop network for multi-tissue interaction and analysis. Nature Communications, 2014, 5, 4250. | 12.8 | 319 |
| 8 | 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 |
| 9 | Adverse outcome pathways: opportunities, limitations and open questions. Archives of Toxicology, 2017, 91, 3477-3505. | 4.2 | 282 |
| 10 | Functional integration of hepatocytes derived from human mesenchymal stem cells into mouse livers. Gut, 2007, 56, 405-415. | 12.1 | 278 |
| 11 | 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 |
| 12 | 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 |
| 13 | The ascending pathophysiology of cholestatic liver disease. Hepatology, 2017, 65, 722-738. | 7.3 | 236 |
| 14 | 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 |
| 15 | Human embryonic stem cell-derived test systems for developmental neurotoxicity: a transcriptomics approach. Archives of Toxicology, 2013, 87, 123-143. | 4.2 | 222 |
| 16 | Extracellular matrix modulates sensitivity of hepatocytes to fibroblastoid dedifferentiation and transforming growth factor î²-induced apoptosis. Hepatology, 2009, 49, 2031-2043. | 7.3 | 217 |
| 17 | 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 |
| 18 | Present status and perspectives of cell-based therapies for liver diseases. Journal of Hepatology, 2006, 45, 144-159. | 3.7 | 183 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Role of thioredoxin reductase 1 and thioredoxin interacting protein in prognosis of breast cancer. Breast Cancer Research, 2010, 12, R44. | 5.0 | 180 |
| 20 | Carcinogenicity categorization of chemicalsâ€"new aspects to be considered in a European perspective. Toxicology Letters, 2004, 151, 29-41. | 0.8 | 172 |
| 21 | A sequence variant at 4p16.3 confers susceptibility to urinary bladder cancer. Nature Genetics, 2010, 42, 415-419. | 21.4 | 169 |
| 22 | 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 |
| 23 | Toxicogenomics directory of chemically exposed human hepatocytes. Archives of Toxicology, 2014, 88, 2261-2287. | 4.2 | 143 |
| 24 | 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 |
| 25 | 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 |
| 26 | Recombinant Laminins Drive the Differentiation and Self-Organization of hESC-Derived Hepatocytes. Stem Cell Reports, 2015, 5, 1250-1262. | 4.8 | 123 |
| 27 | 3D spherical microtissues and microfluidic technology for multi-tissue experiments and analysis. Journal of Biotechnology, 2015, 205, 24-35. | 3.8 | 121 |
| 28 | Cholestasisâ€‐induced adaptive remodeling of interlobular bile ducts. Hepatology, 2016, 63, 951-964. | 7.3 | 114 |
| 29 | Natural Killer Cells and Liver Fibrosis. Frontiers in Immunology, 2016, 7, 19. | 4.8 | 112 |
| 30 | Combining transcription factor binding affinities with open-chromatin data for accurate gene expression prediction. Nucleic Acids Research, 2017, 45, 54-66. | 14.5 | 112 |
| 31 | Model-guided identification of a therapeutic strategy to reduce hyperammonemia in liver diseases. Journal of Hepatology, 2016, 64, 860-871. | 3.7 | 110 |
| 32 | 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 |
| 33 | 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 |
| 34 | Integrated metabolic spatialâ€‐temporal model for the prediction of ammonia detoxification during liver damage and regeneration. Hepatology, 2014, 60, 2040-2051. | 7.3 | 109 |
| 35 | 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 |
| 36 | Design Principles of Concentration-Dependent Transcriptome Deviations in Drug-Exposed Differentiating Stem Cells. Chemical Research in Toxicology, 2014, 27, 408-420. | 3.3 | 103 |

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|---|---------|-----|-----------|
| 37 | 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 |
| 38 | 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 |
| 39 | Transcription factors ETF, E2F, and SP-1 are involved in cytokine-independent proliferation of murine hepatocytes. Hepatology, 2010, 52, 2127-2136. | 7.3 | 95 |
| 40 | Fate of extrahepatic human stem and precursor cells after transplantation into mouse livers. Hepatology, 2007, 46, 861-870. | 7.3 | 92 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | Cellular Clearance and Biological Activity of Calciprotein Particles Depend on Their Maturation State and Crystallinity. Frontiers in Immunology, 2018, 9, 1991. | 4.8 | 84 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 48 | Comparative analysis of 3D culture methods on human HepG2 cells. Archives of Toxicology, 2017, 91, 393-406. | 4.2 | 78 |
| 49 | Mathematical modelling of liver regeneration after intoxication with CCl4. Chemico-Biological Interactions, 2007, 168, 74-93. | 4.0 | 77 |
| 50 | 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 |
| 51 | Toxoplasma gondii impairs memory in infected seniors. Brain, Behavior, and Immunity, 2014, 36, 193-199. | 4.1 | 75 |
| 52 | Cultures with cryopreserved hepatocytes: applicability for studies of enzyme induction. Chemico-Biological Interactions, 2000, 125, 51-73. | 4.0 | 73 |
| 53 | Human Monocyte-Derived Neohepatocytes: A Promising Alternative to Primary Human Hepatocytes for Autologous Cell Therapy. Transplantation, 2005, 79, 1097-1103. | 1.0 | 71 |
| 54 | 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 |

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|---|---------|----|-----------| 
| 55 | ERBB2-Mediated Transcriptional Up-regulation of the α5β1 Integrin Fibronectin Receptor Promotes Tumor Cell Survival Under Adverse Conditions. Cancer Research, 2006, 66, 3715-3725. | 0.9 | 65 |
| 56 | Genetic variants in urinary bladder cancer: collective power of the "wimp SNPs" Archives of Toxicology, 2011, 85, 539-554. | 4.2 | 65 |
| 57 | Gut microbiota depletion exacerbates cholestatic liver injury via loss of FXR signalling. Nature Metabolism, 2021, 3, 1228-1241. | 11.9 | 65 |
| 58 | How predictive quantitative modelling of tissue organisation can inform liver disease pathogenesis. Journal of Hepatology, 2014, 61, 951-956. | 3.7 | 64 |
| 59 | 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 |
| 60 | Intestinal Dysbiosis Amplifies Acetaminophen-Induced Acute Liver Injury. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 909-933. | 4.5 | 62 |
| 61 | 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 |
| 62 | 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 |
| 63 | 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 |
| 64 | Physiologically-based modelling in mice suggests an aggravated loss of clearance capacity after toxic liver damage. Scientific Reports, 2017, 7, 6224. | 3.3 | 57 |
| 65 | 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 |
| 66 | Unmasking selective path integration deficits in Alzheimer's disease risk carriers. Science Advances, 2020, 6, eaba1394. | 10.3 | 55 |
| 67 | 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 |
| 68 | 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 |
| 69 | 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 |
| 70 | Influence of Liver Fibrosis on Lobular Zonation. Cells, 2019, 8, 1556. | 4.1 | 51 |
| 71 | 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 |
| 72 | 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 |

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|---|---------|----|-----------|
| 73 | Bile canalicular dynamics in hepatocyte sandwich cultures. Archives of Toxicology, 2015, 89, 1861-1870. | 4.2 | 49 |
| 74 | Towards improved hepatocyte cultures: Progress and limitations. Food and Chemical Toxicology, 2020, 138, 111188. | 3.6 | 49 |
| 75 | 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 |
| 76 | 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 |
| 77 | Comparing in vitro human liver models to in vivo human liver using RNA-Seq. Archives of Toxicology, 2021, 95, 573-589. | 4.2 | 47 |
| 78 | Human Hepatocytes: Isolation, Culture, and Quality Procedures. Methods in Molecular Biology, 2012, 806, 99-120. | 0.9 | 46 |
| 79 | BDNF Val66Met polymorphism and goal-directed behavior in healthy elderly â€" evidence from auditory distraction. NeuroImage, 2013, 64, 290-298. | 4.2 | 46 |
| 80 | Identification of sample annotation errors in gene expression datasets. Archives of Toxicology, 2015, 89, 2265-2272. | 4.2 | 46 |
| 81 | 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 |
| 82 | 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 |
| 83 | Toxicogenomics directory of rat hepatotoxicants in vivo and in cultivated hepatocytes. Archives of Toxicology, 2018, 92, 3517-3533. | 4.2 | 46 |
| 84 | Augmenter of liver regeneration (ALR) protects human hepatocytes against apoptosis. Biochemical and Biophysical Research Communications, 2011, 404, 148-152. | 2.1 | 45 |
| 85 | Fatty Acid Elongation in Non-Alcoholic Steatohepatitis and Hepatocellular Carcinoma. International Journal of Molecular Sciences, 2014, 15, 5762-5773. | 4.1 | 45 |
| 86 | Influence of CYP2D6 polymorphism on 3,4-methylenedioxymethamphetamine (â€˜Ecstasyâ€™) cytotoxicity. Pharmacogenetics and Genomics, 2006, 16, 789-799. | 1.5 | 44 |
| 87 | Tracking of human cells in mice. Histochemistry and Cell Biology, 2008, 130, 329-338. | 1.7 | 43 |
| 88 | Dexamethasone-dependent versus -independent markers of epithelial to mesenchymal transition in primary hepatocytes. Biological Chemistry, 2010, 391, 73-83. | 2.5 | 43 |
| 89 | Highlight report: Launch of a large integrated European in vitro toxicology project: EU-ToxRisk. Archives of Toxicology, 2016, 90, 1021-1024. | 4.2 | 43 |
| 90 | 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 |

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|---|---------|----|-----------|
| 91 | Hepatic Osteodystrophy—Molecular Mechanisms Proposed to Favor Its Development. International Journal of Molecular Sciences, 2019, 20, 2555. | 4.1 | 43 |
| 92 | Road Map for Development of Stem Cell-Based Alternative Test Methods. Trends in Molecular Medicine, 2019, 25, 470-481. | 6.7 | 42 |
| 93 | The virtual liver: state of the art and future perspectives. Archives of Toxicology, 2014, 88, 2071-2075. | 4.2 | 41 |
| 94 | Chronic CCl4 intoxication causes liver and bone damage similar to the human pathology of hepatic osteodystrophy: a mouse model to analyse the liver—bone axis. Archives of Toxicology, 2014, 88, 997-1006. | 4.2 | 41 |
| 95 | Relevance of the incubation period in cytotoxicity testing with primary human hepatocytes. Archives of Toxicology, 2018, 92, 3505-3515. | 4.2 | 41 |
| 96 | 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 |
| 97 | Characterization of hepatocyte-based in vitro systems for reliable toxicity testing. Archives of Toxicology, 2018, 92, 2981-2986. | 4.2 | 40 |
| 98 | TiQuant: software for tissue analysis, quantification and surface reconstruction. Bioinformatics, 2015, 31, 3234-3236. | 4.1 | 39 |
| 99 | 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 |
| 100 | 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 |
| 101 | Phenotype and growth behavior of residual β-catenin-positive hepatocytes in livers of β-catenin-deficient mice. Histochemistry and Cell Biology, 2010, 134, 469-481. | 1.7 | 37 |
| 102 | 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 |
| 103 | Optimality in the zonation of ammonia detoxification in rodent liver. Archives of Toxicology, 2015, 89, 2069-2078. | 4.2 | 36 |
| 104 | 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 |
| 105 | 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 |
| 106 | Acrylamide alters neurotransmitter induced calcium responses in murine ESC-derived and primary neurons. NeuroToxicology, 2014, 43, 117-126. | 3.0 | 34 |
| 107 | Distinct SNP Combinations Confer Susceptibility to Urinary Bladder Cancer in Smokers and Non-Smokers. PLoS ONE, 2012, 7, e51880. | 2.5 | 34 |
| 108 | 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 |

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|---|---------|----|-----------|
| 109 | 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 |
| 110 | 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 |
| 111 | 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 |
| 112 | Inflammation-associated suppression of metabolic gene networks in acute and chronic liver disease. Archives of Toxicology, 2020, 94, 205-217. | 4.2 | 32 |
| 113 | Lineage-Specific Regulation of Epigenetic Modifier Genes in Human Liver and Brain. PLoS ONE, 2014, 9, e102035. | 2.5 | 32 |
| 114 | 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 |
| 115 | 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 |
| 116 | HR-MAS NMR Based Quantitative Metabolomics in Breast Cancer. Metabolites, 2019, 9, 19. | 2.9 | 31 |
| 117 | Interruption of bile acid uptake by hepatocytes after acetaminophen overdose ameliorates hepatotoxicity. Journal of Hepatology, 2022, 77, 71-83. | 3.7 | 31 |
| 118 | Monocrotophos in Gandaman village: India school lunch deaths and need for improved toxicity testing. Archives of Toxicology, 2013, 87, 1877-1881. | 4.2 | 30 |
| 119 | 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 |
| 120 | Test systems of developmental toxicity: state-of-the art and future perspectives. Archives of Toxicology, 2013, 87, 2037-2042. | 4.2 | 29 |
| 121 | Intravital Dynamic and Correlative Imaging of Mouse Livers Reveals Diffusion–Dominated Canalicular and Flow–Augmented Ductular Bile Flux. Hepatology, 2021, 73, 1531-1550. | 7.3 | 29 |
| 122 | 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 |
| 123 | A physiologically based toxicokinetic modelling approach to predict relevant concentrations for in vitro testing. Archives of Toxicology, 2011, 85, 555-563. | 4.2 | 28 |
| 124 | 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 |
| 125 | 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 |
| 126 | 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 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 127 | 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 |
| 128 | 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 |
| 129 | Impact of intratumoral heterogeneity of breast cancer tissue on quantitative metabolomics using highâ€resolution magic angle spinning $^1$H NMR spectroscopy. NMR in Biomedicine, 2018, 31, e3862. | 2.8 | 25 |
| 130 | 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 |
| 131 | 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 |
| 132 | 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 |
| 133 | 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 |
| 134 | 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 |
| 135 | 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 |
| 136 | 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 |
| 137 | Transcriptomic Crossâ€Species Analysis of Chronic Liver Disease Reveals Consistent Regulation Between Humans and Mice. Hepatology Communications, 2022, 6, 161-177. | 4.3 | 24 |
| 138 | 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 |
| 139 | Prediction of paclitaxel resistance in breast cancer: is *CYP1B1*3* a new factor of influence?. Pharmacogenomics, 2008, 9, 969-974. | 1.3 | 23 |
| 140 | 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 |
| 141 | Epigenomic and transcriptional profiling identifies impaired glyoxylate detoxification in NAFLD as a risk factor for hyperoxaluria. Cell Reports, 2021, 36, 109526. | 6.4 | 22 |
| 142 | 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 |
| 143 | Epidermal growth factor signaling protects from cholestatic liver injury and fibrosis. Journal of Molecular Medicine, 2017, 95, 109-117. | 3.9 | 21 |
| 144 | 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 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 145 | 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 |
| 146 | Modeling hepatic osteodystrophy in Abcb4 deficient mice. Bone, 2013, 55, 501-511. | 2.9 | 20 |
| 147 | Modular Microfluidic System for Emulation of Human Phase I/Phase II Metabolism. Analytical Chemistry, 2014, 86, 3068-3074. | 6.5 | 20 |
| 148 | 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 |
| 149 | Distribution of detoxifying genes polymorphism in Maharastrian population of central India. Chemosphere, 2008, 70, 1835-1839. | 8.2 | 19 |
| 150 | Creation of Three-Dimensional Liver Tissue Models from Experimental Images for Systems Medicine. Methods in Molecular Biology, 2017, 1506, 319-362. | 0.9 | 19 |
| 151 | Improvements in Algorithms for Phenotype Inference: The NAT2 Example. Current Drug Metabolism, 2014, 15, 233-249. | 1.2 | 19 |
| 152 | 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 |
| 153 | Highlight report: towards the replacement of in vivo repeated dose systemic toxicity testing. Archives of Toxicology, 2012, 86, 13-15. | 4.2 | 18 |
| 154 | Identification and replication of the interplay of four genetic high-risk variants for urinary bladder cancer. Carcinogenesis, 2017, 38, 1167-1179. | 2.8 | 18 |
| 155 | The hepatocyte export carrier inhibition assay improves the separation of hepatotoxic from non-hepatotoxic compounds. Chemico-Biological Interactions, 2022, 351, 109728. | 4.0 | 18 |
| 156 | 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 |
| 157 | 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 |
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