

JÃ¼rgen Borlak

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

3,615
citations

186265

28
h-index

138484

58
g-index

83
all docs

83
docs citations

83
times ranked

5431
citing authors

#	ARTICLE	IF	CITATIONS
1	A systematic comparison of hepatobiliary adverse drug reactions in FDA and EMA drug labeling reveals discrepancies. <i>Drug Discovery Today</i> , 2022, 27, 337-346.	6.4	5
2	Petasites for Migraine Prevention: New Data on Mode of Action, Pharmacology and Safety. A Narrative Review. <i>Frontiers in Neurology</i> , 2022, 13, 864689.	2.4	2
3	miRNAs in lung cancer. A systematic review identifies predictive and prognostic miRNA candidates for precision medicine in lung cancer. <i>Translational Research</i> , 2021, 230, 164-196.	5.0	89
4	Advances in Liver Cancer Stem Cell Isolation and their Characterization. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 1215-1238.	3.8	14
5	Reliable miRNA biomarker quantification in clinical practice – are we there yet?. <i>Analytical Biochemistry</i> , 2021, 634, 114431.	2.4	0
6	The landscape of hepatobiliary adverse reactions across 53 herbal and dietary supplements reveals immune-mediated injury as a common cause of hepatitis. <i>Archives of Toxicology</i> , 2020, 94, 273-293.	4.2	13
7	Cancer genomics predicts disease relapse and therapeutic response to neoadjuvant chemotherapy of hormone sensitive breast cancers. <i>Scientific Reports</i> , 2020, 10, 8188.	3.3	5
8	An adverse outcome pathway for immune-mediated and allergic hepatitis: a case study with the NSAID diclofenac. <i>Archives of Toxicology</i> , 2020, 94, 2733-2748.	4.2	8
9	Treatment of cyclosporine induced hypertension: Results from a long-term observational study using different antihypertensive medications. <i>Vascular Pharmacology</i> , 2019, 115, 69-83.	2.1	15
10	Hepatobiliary Events in Migraine Therapy with Herbs – The Case of Petadolex, A Petasites Hybridus Extract. <i>Journal of Clinical Medicine</i> , 2019, 8, 652.	2.4	16
11	ApoE is a major determinant of hepatic bile acid homeostasis in mice. <i>Journal of Nutritional Biochemistry</i> , 2018, 52, 82-91.	4.2	8
12	N-acetylcysteine and prednisolone treatment improved serum biochemistries in suspected flupirtine cases of severe idiosyncratic liver injury. <i>Liver International</i> , 2018, 38, 365-376.	3.9	23
13	Genomics of lipid-laden human hepatocyte cultures enables drug target screening for the treatment of non-alcoholic fatty liver disease. <i>BMC Medical Genomics</i> , 2018, 11, 111.	1.5	24
14	The Development of a Database for Herbal and Dietary Supplement Induced Liver Toxicity. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2955.	4.1	21
15	Serum proteome mapping of EGF transgenic mice reveal mechanistic biomarkers of lung cancer precursor lesions with clinical significance for human adenocarcinomas. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3122-3144.	3.8	8
16	Primary non-function is frequently associated with fatty liver allografts and high mortality after retransplantation. <i>Liver International</i> , 2017, 37, 1219-1228.	3.9	44
17	A unifying mathematical model of lipid droplet metabolism reveals key molecular players in the development of hepatic steatosis. <i>FEBS Journal</i> , 2017, 284, 3245-3261.	4.7	21
18	Associations of Drug Lipophilicity and Extent of Metabolism with Drug-Induced Liver Injury. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1335.	4.1	53

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19	Drug-Induced Liver Injury. <i>BioMed Research International</i> , 2017, 2017, 1-2.	1.9	7
20	In vitro to in vivo extrapolation for drug-induced liver injury using a pair ranking method. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2017, 34, 399-407.	1.5	35
21	The pathogenesis of diclofenac induced immunoallergic hepatitis in a canine model of liver injury. <i>Oncotarget</i> , 2017, 8, 107763-107824.	1.8	15
22	Oncogenomics of c-Myc transgenic mice reveal novel regulators of extracellular signaling, angiogenesis and invasion with clinical significance for human lung adenocarcinoma. <i>Oncotarget</i> , 2017, 8, 101808-101831.	1.8	16
23	Immunogenomics reveal molecular circuits of diclofenac induced liver injury in mice. <i>Oncotarget</i> , 2016, 7, 14983-15017.	1.8	15
24	A Model to predict severity of drug-induced liver injury in humans. <i>Hepatology</i> , 2016, 64, 931-940.	7.3	74
25	Regulation of glycosylphosphatidylinositol-anchored proteins and GPI-phospholipase D in a c-Myc transgenic mouse model of hepatocellular carcinoma and human HCC. <i>Biological Chemistry</i> , 2016, 397, 1147-1162.	2.5	3
26	Inhibition of bile salt transport by drugs associated with liver injury in primary hepatocytes from human, monkey, dog, rat, and mouse. <i>Chemico-Biological Interactions</i> , 2016, 255, 45-54.	4.0	33
27	Gene expression profiling of calcium-channel antagonists in the heart of hypertensive and normotensive rats reveals class specific effects. <i>Vascular Pharmacology</i> , 2016, 87, 121-128.	2.1	1
28	Mechanistically linked serum miRNAs distinguish between drug induced and fatty liver disease of different grades. <i>Scientific Reports</i> , 2016, 6, 23709.	3.3	29
29	Genomics of human fatty liver disease reveal mechanistically linked lipid droplet-associated gene regulations in bland steatosis and nonalcoholic steatohepatitis. <i>Translational Research</i> , 2016, 177, 41-69.	5.0	30
30	Evaluation of multiple mechanism-based toxicity endpoints in primary cultured human hepatocytes for the identification of drugs with clinical hepatotoxicity: Results from 152 marketed drugs with known liver injury profiles. <i>Chemico-Biological Interactions</i> , 2016, 255, 3-11.	4.0	37
31	c-Myc targeted regulators of cell metabolism in a transgenic mouse model of papillary lung adenocarcinoma. <i>Oncotarget</i> , 2016, 7, 65514-65539.	1.8	19
32	Immune-mediated liver injury of the cancer therapeutic antibody catumaxomab targeting EpCAM, CD3 and Fcγ ₃ receptors. <i>Oncotarget</i> , 2016, 7, 28059-28074.	1.8	56
33	Drug-induced liver injury: Interactions between drug properties and host factors. <i>Journal of Hepatology</i> , 2015, 63, 503-514.	3.7	319
34	Proteome mapping of epidermal growth factor induced hepatocellular carcinomas identifies novel cell metabolism targets and mitogen activated protein kinase signalling events. <i>BMC Genomics</i> , 2015, 16, 124.	2.8	9
35	Metabolic activation and analgesic effect of flupirtine in healthy subjects, influence of the polymorphic NAT2, <i><sc>UGT1A1</sc></i> and GSTP1. <i>British Journal of Clinical Pharmacology</i> , 2015, 79, 501-513.	2.4	26
36	Regulation of Liver Enriched Transcription Factors in Rat Hepatocytes Cultures on Collagen and EHS Sarcoma Matrices. <i>PLoS ONE</i> , 2015, 10, e0124867.	2.5	14

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37	Decoding c-Myc networks of cell cycle and apoptosis regulated genes in a transgenic mouse model of papillary lung adenocarcinomas. <i>Oncotarget</i> , 2015, 6, 31569-31592.	1.8	26
38	Whole Genome Transcript Profiling of Drug Induced Steatosis in Rats Reveals a Gene Signature Predictive of Outcome. <i>PLoS ONE</i> , 2014, 9, e114085.	2.5	48
39	Explanted Diseased Livers â€œ A Possible Source of Metabolic Competent Primary Human Hepatocytes. <i>PLoS ONE</i> , 2014, 9, e101386.	2.5	55
40	Deciphering miRNA transcription factor feed-forward loops to identify drug repurposing candidates for cystic fibrosis. <i>Genome Medicine</i> , 2014, 6, 94.	8.2	27
41	Recent insights into the molecular pathophysiology of lipid droplet formation in hepatocytes. <i>Progress in Lipid Research</i> , 2014, 54, 86-112.	11.6	95
42	How useful are clinical liver function tests in in vitro human hepatotoxicity assays?. <i>Toxicology in Vitro</i> , 2014, 28, 784-795.	2.4	31
43	A rat toxicogenomics study with the calcium sensitizer EMD82571 reveals a pleiotropic cause of teratogenicity. <i>Reproductive Toxicology</i> , 2014, 47, 89-101.	2.9	1
44	Recent advances in live cell imaging of hepatoma cells. <i>BMC Cell Biology</i> , 2014, 15, 26.	3.0	11
45	Isolation and cultivation of metabolically competent alveolar epithelial cells from A/J mice. <i>Toxicology in Vitro</i> , 2014, 28, 812-821.	2.4	4
46	A Unifying Ontology to Integrate Histological and Clinical Observations for Drug-Induced Liver Injury. <i>American Journal of Pathology</i> , 2013, 182, 1180-1187.	3.8	23
47	Serum acute phase reactants hallmark healthy individuals at risk for acetaminophen-induced liver injury. <i>Genome Medicine</i> , 2013, 5, 86.	8.2	29
48	High lipophilicity and high daily dose of oral medications are associated with significant risk for drug-induced liver injury. <i>Hepatology</i> , 2013, 58, 388-396.	7.3	288
49	A Cross-Platform Comparison of Affymetrix and Agilent Microarrays Reveals Discordant miRNA Expression in Lung Tumors of c-Raf Transgenic Mice. <i>PLoS ONE</i> , 2013, 8, e78870.	2.5	43
50	Transcriptional Defect of an Inherited NKX2-5 Haplotype Comprising a SNP, a Nonsynonymous and a Synonymous Mutation, Associated with Human Congenital Heart Disease. <i>PLoS ONE</i> , 2013, 8, e83295.	2.5	31
51	MYCâ€regulated genes involved in liver cell dysplasia identified in a transgenic model of liver cancer. <i>Journal of Pathology</i> , 2012, 228, 520-533.	4.5	31
52	PET/CT Imaging of c-Myc Transgenic Mice Identifies the Genotoxic N-Nitroso-Diethylamine as Carcinogen in a Short-Term Cancer Bioassay. <i>PLoS ONE</i> , 2012, 7, e30432.	2.5	7
53	A Cross-Platform Comparison of Genome-Wide Expression Changes of Laser Microdissected Lung Tissue of C-Raf Transgenic Mice Using 3â€IVT and Exon Array. <i>PLoS ONE</i> , 2012, 7, e40778.	2.5	5
54	A Rapid Screening Assay to Search for Phosphorylated Proteins in Tissue Extracts. <i>PLoS ONE</i> , 2012, 7, e50025.	2.5	1

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55	Combined Serum and Tissue Proteomic Study Applied to a c-Myc Transgenic Mouse Model of Hepatocellular Carcinoma Identified Novel Disease Regulated Proteins Suitable for Diagnosis and Therapeutic Intervention Strategies. <i>Journal of Proteome Research</i> , 2011, 10, 3012-3030.	3.7	14
56	Advanced Computational Biology Methods Identify Molecular Switches for Malignancy in an EGF Mouse Model of Liver Cancer. <i>PLoS ONE</i> , 2011, 6, e17738.	2.5	17
57	Correlation versus Causation? Pharmacovigilance of the Analgesic Flupirtine Exemplifies the Need for Refined Spontaneous ADR Reporting. <i>PLoS ONE</i> , 2011, 6, e25221.	2.5	36
58	Pathology of flupirtine-induced liver injury. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2011, 458, 709-716.	2.8	37
59	HNF4alpha Dysfunction as a Molecular Rational for Cyclosporine Induced Hypertension. <i>PLoS ONE</i> , 2011, 6, e16319.	2.5	13
60	HNF4alpha and HNF1alpha Dysfunction as a Molecular Rational for Cyclosporine Induced Posttransplantation Diabetes Mellitus. <i>PLoS ONE</i> , 2009, 4, e4662.	2.5	13
61	Molecular Characterization of Lung Dysplasia Induced by c-Raf-1. <i>PLoS ONE</i> , 2009, 4, e5637.	2.5	13
62	Toxicogenomics Applied to Cultures of Human Hepatocytes Enabled an Identification of Novel Petasites hybridus Extracts for the Treatment of Migraine with Improved Hepatobiliary Safety. <i>Toxicological Sciences</i> , 2009, 112, 507-520.	3.1	21
63	A 2-DE MALDI-TOF study to identify disease regulated serum proteins in lung cancer of c-myc transgenic mice. <i>Proteomics</i> , 2009, 9, 1044-1056.	2.2	28
64	Gender-incompatible liver transplantation is not a risk factor for patient survival. <i>Liver International</i> , 2009, 29, 196-202.	3.9	13
65	Cancer Genomics Identifies Regulatory Gene Networks Associated with the Transition from Dysplasia to Advanced Lung Adenocarcinomas Induced by c-Raf-1. <i>PLoS ONE</i> , 2009, 4, e7315.	2.5	33
66	Detection of early signals of hepatotoxicity by gene expression profiling studies with cultures of metabolically competent human hepatocytes. <i>Archives of Toxicology</i> , 2008, 82, 89-101.	4.2	27
67	Quantitative mass spectrometry to investigate epidermal growth factor receptor phosphorylation dynamics. <i>Mass Spectrometry Reviews</i> , 2008, 27, 51-65.	5.4	15
68	Mapping of the Serum Proteome of Hepatocellular Carcinoma Induced by Targeted Overexpression of Epidermal Growth Factor to Liver Cells of Transgenic Mice. <i>Journal of Proteome Research</i> , 2008, 7, 928-937.	3.7	7
69	EPS15R, TASP1, and PRPF3 Are Novel Disease Candidate Genes Targeted by HNF4± Splice Variants in Hepatocellular Carcinomas. <i>Gastroenterology</i> , 2008, 134, 1191-1202.	1.3	30
70	Molecular Mechanisms and Therapeutic Targets in Steatosis and Steatohepatitis. <i>Pharmacological Reviews</i> , 2008, 60, 311-357.	16.0	346
71	Serum proteomics of lung adenocarcinomas induced by targeted overexpression of cêœraf in alveolar epithelium identifies candidate biomarkers. <i>Proteomics</i> , 2007, 7, 3980-3991.	2.2	33
72	Drug-induced phospholipidosis. <i>FEBS Letters</i> , 2006, 580, 5533-5540.	2.8	283

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73	Primary rat alveolar epithelial cells for use in biotransformation and toxicity studies. <i>Toxicology in Vitro</i> , 2006, 20, 757-766.	2.4	7
74	Nifedipine represses ion channels, transporters and Ca ²⁺ -binding proteins in hearts of spontaneously hypertensive rats. <i>Toxicology and Applied Pharmacology</i> , 2006, 213, 224-234.	2.8	7
75	Expression of Xenobiotic Metabolizing Enzymes in Different Lung Compartments of Smokers and Nonsmokers. <i>Environmental Health Perspectives</i> , 2006, 114, 1655-1661.	6.0	107
76	Epidermal growth factor-induced hepatocellular carcinoma: gene expression profiles in precursor lesions, early stage and solitary tumours. <i>Oncogene</i> , 2005, 24, 1809-1819.	5.9	106
77	METABOLISM OF VERAPAMIL IN CULTURES OF RAT ALVEOLAR EPITHELIAL CELLS AND PHARMACOKINETICS AFTER ADMINISTRATION BY INTRAVENOUS AND INHALATION ROUTES. <i>Drug Metabolism and Disposition</i> , 2005, 33, 1108-1114.	3.3	10
78	Liver-Enriched Transcription Factors in Liver Function and Development. Part II: the C/EBPs and D Site-Binding Protein in Cell Cycle Control, Carcinogenesis, Circadian Gene Regulation, Liver Regeneration, Apoptosis, and Liver-Specific Gene Regulation. <i>Pharmacological Reviews</i> , 2004, 56, 291-330.	16.0	205
79	DNA adducts in cultures of polychlorinated biphenyl-treated human hepatocytes. <i>Toxicology and Applied Pharmacology</i> , 2003, 188, 81-91.	2.8	31
80	Liver-Enriched Transcription Factors in Liver Function and Development. Part I: The Hepatocyte Nuclear Factor Network and Liver-Specific Gene Expression. <i>Pharmacological Reviews</i> , 2002, 54, 129-158.	16.0	256
81	Application of restricted access material (RAM) with precolumn-switching and matrix solid-phase dispersion (MSPD) to the study of the metabolism and pharmacokinetics of Verapamil. <i>Analytical and Bioanalytical Chemistry</i> , 2002, 374, 1179-1186.	3.7	20
82	Aroclor 1254 Modulates Gene Expression of Nuclear Transcription Factors: Implications for Albumin Gene Transcription and Protein Synthesis in Rat Hepatocyte Cultures. <i>Toxicology and Applied Pharmacology</i> , 2002, 181, 79-88.	2.8	23