Ahmed Ghallab

List of Publications by Year
in descending order

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71 papers	2,249 citations	257450 24 h-index	243625 44 g-index
80 all docs	80 docs citations	80 times ranked	2412 citing authors

#	Article	IF	Citations
1	Adverse outcome pathways: opportunities, limitations and open questions. Archives of Toxicology, 2017, 91, 3477-3505.	4.2	282
2	The ascending pathophysiology of cholestatic liver disease. Hepatology, 2017, 65, 722-738.	7.3	236
3	Model-guided identification of a therapeutic strategy to reduce hyperammonemia in liver diseases. Journal of Hepatology, 2016, 64, 860-871.	3.7	110
4	Integrated metabolic spatialâ€temporal model for the prediction of ammonia detoxification during liver damage and regeneration. Hepatology, 2014, 60, 2040-2051.	7.3	109
5	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
6	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
7	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
8	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
9	Cellular Clearance and Biological Activity of Calciprotein Particles Depend on Their Maturation State and Crystallinity. Frontiers in Immunology, 2018, 9, 1991.	4.8	84
10	Gut microbiota depletion exacerbates cholestatic liver injury via loss of FXR signalling. Nature Metabolism, 2021, 3, 1228-1241.	11.9	65
11	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
12	Intestinal Dysbiosis Amplifies Acetaminophen-Induced Acute Liver Injury. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 909-933.	4.5	62
13	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
14	Physiologically-based modelling in mice suggests an aggravated loss of clearance capacity after toxic liver damage. Scientific Reports, 2017, 7, 6224.	3.3	57
15	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
16	Influence of Liver Fibrosis on Lobular Zonation. Cells, 2019, 8, 1556.	4.1	51
17	In Vitro - In Vivo Correlation of Gene Expression Alterations Induced by Liver Carcinogens. Current Medicinal Chemistry, 2012, 19, 1721-1730.	2.4	48
18	In vitro test systems and their limitations. EXCLI Journal, 2013, 12, 1024-6.	0.7	48

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19	Comparing in vitro human liver models to in vivo human liver using RNA-Seq. Archives of Toxicology, 2021, 95, 573-589.	4.2	47
20	The virtual liver: state of the art and future perspectives. Archives of Toxicology, 2014, 88, 2071-2075.	4.2	41
21	Optimality in the zonation of ammonia detoxification in rodent liver. Archives of Toxicology, 2015, 89, 2069-2078.	4.2	36
22	Inflammation-associated suppression of metabolic gene networks in acute and chronic liver disease. Archives of Toxicology, 2020, 94, 205-217.	4.2	32
23	Interruption of bile acid uptake by hepatocytes after acetaminophen overdose ameliorates hepatotoxicity. Journal of Hepatology, 2022, 77, 71-83.	3.7	31
24	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
25	Activated ErbB3 Translocates to the Nucleus via Clathrin-independent Endocytosis, Which Is Associated with Proliferating Cells. Journal of Biological Chemistry, 2016, 291, 3837-3847.	3.4	28
26	Live Imaging of Calciprotein Particle Clearance and Receptor Mediated Uptake: Role of Calciprotein Monomers. Frontiers in Cell and Developmental Biology, 2021, 9, 633925.	3.7	28
27	Transcriptomic Crossâ€Species Analysis of Chronic Liver Disease Reveals Consistent Regulation Between Humans and Mice. Hepatology Communications, 2022, 6, 161-177.	4.3	24
28	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
29	The rediscovery of HepG2 cells for prediction of drug induced liver injury (DILI). EXCLI Journal, 2014, 13, 1286-8.	0.7	24
30	Epigenomic and transcriptional profiling identifies impaired glyoxylate detoxification in NAFLD as a risk factor for hyperoxaluria. Cell Reports, 2021, 36, 109526.	6.4	22
31	The hepatocyte export carrier inhibition assay improves the separation of hepatotoxic from non-hepatotoxic compounds. Chemico-Biological Interactions, 2022, 351, 109728.	4.0	18
32	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
33	Human non-parenchymal liver cells for co-cultivation systems. EXCLI Journal, 2014, 13, 1295-6.	0.7	15
34	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
35	Highlight report: Metabolomics in hepatotoxicity testing. EXCLI Journal, 2017, 16, 1323-1325.	0.7	14
36	In vitro systems: current limitations and future perspectives. Archives of Toxicology, 2014, 88, 2085-2087.	4.2	12

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37	Aryl Hydrocarbon Receptor Activity in Hepatocytes Sensitizes to Hyperacute Acetaminophen-Induced Hepatotoxicity in Mice. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 371-388.	4.5	11
38	Hypothyroidism Increases Cholesterol Gallstone Prevalence in Mice by Elevated Hydrophobicity of Primary Bile Acids. Thyroid, 2021, 31, 973-984.	4.5	11
39	Ductility of externally prestressed continuous concrete beams. KSCE Journal of Civil Engineering, 2014, 18, 595-606.	1.9	8
40	Highlight report: Role of the circadian clock system in breast cancer. EXCLI Journal, 2015, 14, 540-1.	0.7	8
41	Highlight report: Monitoring cytochrome P450 activities in living hepatocytes. EXCLI Journal, 2017, 16, 1330-1331.	0.7	6
42	PPARG as therapeutic target for antifibrotic therapy. EXCLI Journal, 2020, 19, 227-229.	0.7	4
43	Highlights in tumor metabolome research: Choline metabolism influences integrin expression and supports cell attachment. EXCLI Journal, 2014, 13, 856-8.	0.7	4
44	Hair histology as a tool for forensic identification of some domestic animal species. EXCLI Journal, 2018, 17, 663-670.	0.7	4
45	Highlight report: acetaminophen hepatotoxicity. Archives of Toxicology, 2015, 89, 2449-2451.	4.2	3
46	Towards knowledge-driven cross-species extrapolation. Drug Discovery Today: Disease Models, 2016, 22, 21-26.	1.2	3
47	Interspecies extrapolation by physiologically based pharmacokinetic modeling. EXCLI Journal, 2015, 14, 1261-3.	0.7	3
48	In Vitro Systems for Hepatotoxicity Testing. Methods in Pharmacology and Toxicology, 2014, , 27-44.	0.2	2
49	Fluoride: no evidence of developmental neurotoxicity due to current exposure levels in Europe. Archives of Toxicology, 2020, 94, 2543-2544.	4.2	2
50	Systems Toxicology. EXCLI Journal, 2015, 14, 1267-9.	0.7	2
51	Liver specific, systemic and genetic contributors to alcohol-related liver disease progression. Zeitschrift Fur Gastroenterologie, 2022, 60, 36-44.	0.5	2
52	Pyrrolizidine alkaloids act by toxicity to sinusoidal endothelial cells of the liver. Archives of Toxicology, 2019, 93, 3639-3640.	4.2	1
53	Pharmacological inhibition of the ideal apical sodium-dependent bile acid transporter ASBT ameliorates cholestatic liver disease in mice. Archives of Toxicology, 2019, 93, 3039-3040.	4.2	1
54	Highlight report: Blueprint for stem cell differentiation into liver cells. EXCLI Journal, 2015, 14, 1017-9.	0.7	1

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55	Highlight report: New methods for quantification of bile canalicular dynamics. EXCLI Journal, 2015, 14, 1264-6.	0.7	1
56	Highlight report: Necrosis-apoptosis conundrum of hepatocytes: mode of hepatocyte death after acetaminophen intoxication. EXCLI Journal, 2018, 17, 1191-1193.	0.7	1
57	Anticancer activity of luteolin glycosides. EXCLI Journal, 2020, 19, 1154-1155.	0.7	1
58	Influence of bile acids on the cytotoxicity of chemicals in cultivated human hepatocytes. Toxicology in Vitro, 2022, 81, 105344.	2.4	1
59	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
60	Perspectives in toxicologic pathology: quantification of bile canalicular networks. Archives of Toxicology, 2014, 88, 1907-1908.	4.2	0
61	Functional intravital imaging of hepatotoxicity: Comparing intact livers to 3D in vitro systems. Toxicology Letters, 2015, 238, S38.	0.8	0
62	Highlight report: perspectives in stem cell researchâ€"unbiased quantification of the similarity between in vitro generated and primary hepatocytes. Archives of Toxicology, 2015, 89, 2185-2187.	4.2	0
63	Highlight Report: humanized mice reveal interspecies differences in triclosan hepatotoxicity. Archives of Toxicology, 2018, 92, 3613-3614.	4.2	0
64	Highlight report: the need of â€˜fit-for-purposeâ€™ controls for cell lines used in toxicity assays. Archives of Toxicology, 2018, 92, 3605-3606.	4.2	0
65	Modeling of early hepatocellular carcinoma. Archives of Toxicology, 2018, 92, 2401-2402.	4.2	0
66	Future perspectives of DILI prediction in vitro. Archives of Toxicology, 2019, 93, 2705-2706.	4.2	0
67	Role of ductular reactive cells in recruiting immune cells. Archives of Toxicology, 2020, 94, 3607-3608.	4.2	0
68	TGR5 regulates portal perfusion pressure of the liver. EXCLI Journal, 2019, 18, 1107-1108.	0.7	0
69	Immune responses during neoadjuvant chemotherapy in triple negative breast cancer. EXCLI Journal, 2020, 19, 1295-1296.	0.7	0
70	Editor's choice 2019: Oxidative stress and antineoplastic agents. EXCLI Journal, 2020, 19, 1607-1609.	0.7	0
71	Editor's choice 2018: Non-coding RNAs in hepatocellular cancer. EXCLI Journal, 2020, 19, 1615-1616.	0.7	0