

Dieter Hussinger

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

521 papers	42,609 citations	84 h-index	192 g-index
544 ext. papers	47,287 ext. citations	6.8 avg, IF	7.07 L-index

#	Paper	IF	Citations
521	Sorafenib in advanced hepatocellular carcinoma. <i>New England Journal of Medicine</i> , 2008 , 359, 378-90	59.2	9089
520	Peginterferon alfa-2a plus ribavirin for chronic hepatitis C virus infection. <i>New England Journal of Medicine</i> , 2002 , 347, 975-82	59.2	5551
519	Functional significance of cell volume regulatory mechanisms. <i>Physiological Reviews</i> , 1998 , 78, 247-306	47.9	1547
518	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. <i>Archives of Toxicology</i> , 2013 , 87, 1315-530	5.8	837
517	Long-term follow-up of HBeAg-positive patients treated with interferon alfa for chronic hepatitis B. <i>New England Journal of Medicine</i> , 1996 , 334, 1422-7	59.2	694
516	Prognosis of chronic hepatitis C: results of a large, prospective cohort study. <i>Hepatology</i> , 1998 , 28, 1687-95	45.2	466
515	The role of cellular hydration in the regulation of cell function. <i>Biochemical Journal</i> , 1996 , 313 (Pt 3), 697-710	3.8	457
514	Predicting sustained virological responses in chronic hepatitis C patients treated with peginterferon alfa-2a (40 KD)/ribavirin. <i>Journal of Hepatology</i> , 2005 , 43, 425-33	13.4	425
513	Transient elastography is unreliable for detection of cirrhosis in patients with acute liver damage. <i>Hepatology</i> , 2008 , 47, 592-5	11.2	381
512	Liver cell death and anemia in Wilson disease involve acid sphingomyelinase and ceramide. <i>Nature Medicine</i> , 2007 , 13, 164-70	50.5	378
511	Hepatic encephalopathy in chronic liver disease: a clinical manifestation of astrocyte swelling and low-grade cerebral edema?. <i>Journal of Hepatology</i> , 2000 , 32, 1035-8	13.4	355
510	Peginterferon-2a (40KD) and Ribavirin for 16 or 24 Weeks in Patients With Genotype 2 or 3 Chronic Hepatitis C. <i>Gastroenterology</i> , 2005 , 129, 522-527	13.3	349
509	Proton magnetic resonance spectroscopy studies on human brain myo-inositol in hypo-osmolarity and hepatic encephalopathy. <i>Gastroenterology</i> , 1994 , 107, 1475-80	13.3	349
508	Expression and function of the bile acid receptor TGR5 in Kupffer cells. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 372, 78-84	3.4	302
507	Critical flicker frequency for quantification of low-grade hepatic encephalopathy. <i>Hepatology</i> , 2002 , 35, 357-66	11.2	288
506	The macrophage response towards LPS and its control through the p38(MAPK)-STAT3 axis. <i>Cellular Signalling</i> , 2012 , 24, 1185-94	4.9	260
505	Hepatocyte heterogeneity in glutamine and ammonia metabolism and the role of an intercellular glutamine cycle during ureogenesis in perfused rat liver. <i>FEBS Journal</i> , 1983 , 133, 269-75		253

504	Hepatic acute phase proteins--regulation by IL-6- and IL-1-type cytokines involving STAT3 and its crosstalk with NF- κ B-dependent signaling. <i>European Journal of Cell Biology</i> , 2012 , 91, 496-505	6.1	244
503	The G-protein coupled bile salt receptor TGR5 is expressed in liver sinusoidal endothelial cells. <i>Hepatology</i> , 2007 , 45, 695-704	11.2	242
502	Ammonia induces MK-801-sensitive nitration and phosphorylation of protein tyrosine residues in rat astrocytes. <i>FASEB Journal</i> , 2002 , 16, 739-41	0.9	242
501	Natural killer cell activation enhances immune pathology and promotes chronic infection by limiting CD8+ T-cell immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 1210-5	11.5	241
500	iRhom2 regulation of TACE controls TNF-mediated protection against Listeria and responses to LPS. <i>Science</i> , 2012 , 335, 229-32	33.3	237
499	Regulation of the multidrug resistance protein 2 in the rat liver by lipopolysaccharide and dexamethasone. <i>Gastroenterology</i> , 1999 , 116, 401-10	13.3	219
498	Portal application of autologous CD133+ bone marrow cells to the liver: a novel concept to support hepatic regeneration. <i>Stem Cells</i> , 2005 , 23, 463-70	5.8	208
497	The membrane-bound bile acid receptor TGR5 is localized in the epithelium of human gallbladders. <i>Hepatology</i> , 2009 , 50, 861-70	11.2	202
496	Involvement of NADPH oxidase isoforms and Src family kinases in CD95-dependent hepatocyte apoptosis. <i>Journal of Biological Chemistry</i> , 2005 , 280, 27179-94	5.4	189
495	Expression and localization of hepatobiliary transport proteins in progressive familial intrahepatic cholestasis. <i>Hepatology</i> , 2005 , 41, 1160-72	11.2	188
494	CD133+ hepatic stellate cells are progenitor cells. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 352, 410-7	3.4	187
493	Hepatocyte heterogeneity in the metabolism of amino acids and ammonia. <i>Enzyme</i> , 1992 , 46, 72-93		176
492	Cell volume in the regulation of hepatic function: a mechanism for metabolic control. <i>BBA - Biomembranes</i> , 1991 , 1071, 331-50		174
491	Disruption of the taurine transporter gene (taut) leads to retinal degeneration in mice. <i>FASEB Journal</i> , 2002 , 16, 231-3	0.9	165
490	The bile acid receptor TGR5 (Gpbar-1) acts as a neurosteroid receptor in brain. <i>Glia</i> , 2010 , 58, 1794-805	9	161
489	LPS and TNF α induce SOCS3 mRNA and inhibit IL-6-induced activation of STAT3 in macrophages. <i>FEBS Letters</i> , 1999 , 463, 365-70	3.8	161
488	Type I interferon protects antiviral CD8+ T cells from NK cell cytotoxicity. <i>Immunity</i> , 2014 , 40, 949-60	32.3	156
487	Hypoosmotic swelling and ammonia increase oxidative stress by NADPH oxidase in cultured astrocytes and vital brain slices. <i>Glia</i> , 2007 , 55, 758-71	9	156

486	Tauroursodesoxycholate-induced choleresis involves p38(MAPK) activation and translocation of the bile salt export pump in rats. <i>Gastroenterology</i> , 2001 , 121, 407-19	13.3	152
485	Congenital glutamine deficiency with glutamine synthetase mutations. <i>New England Journal of Medicine</i> , 2005 , 353, 1926-33	59.2	148
484	Combined mutations of canalicular transporter proteins cause severe intrahepatic cholestasis of pregnancy. <i>Gastroenterology</i> , 2006 , 131, 624-9	13.3	137
483	Bile salt-induced apoptosis involves NADPH oxidase isoform activation. <i>Gastroenterology</i> , 2005 , 129, 2009-31	13.3	132
482	Taurine transporter knockout depletes muscle taurine levels and results in severe skeletal muscle impairment but leaves cardiac function uncompromised. <i>FASEB Journal</i> , 2004 , 18, 577-9	0.9	131
481	Real-time imaging with the sonographic contrast agent SonoVue: differentiation between benign and malignant hepatic lesions. <i>Journal of Ultrasound in Medicine</i> , 2004 , 23, 1557-68	2.9	126
480	The bile salt export pump (BSEP) in health and disease. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2012 , 36, 536-53	2.4	120
479	Peginterferon-alpha-2a (40KD) and ribavirin for 16 or 24 weeks in patients with genotype 2 or 3 chronic hepatitis C. <i>Gastroenterology</i> , 2005 , 129, 522-7	13.3	119
478	Cell volume and hormone action. <i>Trends in Pharmacological Sciences</i> , 1992 , 13, 371-3	13.2	119
477	Hepatic stellate cells contribute to progenitor cells and liver regeneration. <i>Journal of Clinical Investigation</i> , 2014 , 124, 5503-15	15.9	118
476	Bile salt-induced hepatocyte apoptosis involves epidermal growth factor receptor-dependent CD95 tyrosine phosphorylation. <i>Gastroenterology</i> , 2003 , 125, 839-53	13.3	118
475	Mutations of the core promoter and response to interferon treatment in chronic replicative hepatitis B. <i>Hepatology</i> , 2000 , 31, 716-25	11.2	118
474	Juvenile myelomonocytic leukemia displays mutations in components of the RAS pathway and the PRC2 network. <i>Nature Genetics</i> , 2015 , 47, 1334-40	36.3	111
473	TGR5 is essential for bile acid-dependent cholangiocyte proliferation in vivo and in vitro. <i>Gut</i> , 2016 , 65, 487-501	19.2	111
472	The niche of stellate cells within rat liver. <i>Hepatology</i> , 2009 , 50, 1617-24	11.2	110
471	Conjugated bilirubin triggers anemia by inducing erythrocyte death. <i>Hepatology</i> , 2015 , 61, 275-84	11.2	109
470	Hepatic encephalopathy and fitness to drive. <i>Gastroenterology</i> , 2009 , 137, 1706-15.e1-9	13.3	109
469	Hepatitis C virus core protein induces cell proliferation and activates ERK, JNK, and p38 MAP kinases together with the MAP kinase phosphatase MKP-1 in a HepG2 Tet-Off cell line. <i>Virology</i> , 2002 , 292, 272-84	3.6	106

468	Microglia activation in hepatic encephalopathy in rats and humans. <i>Hepatology</i> , 2011 , 54, 204-15	11.2	105
467	Ammonia induces RNA oxidation in cultured astrocytes and brain in vivo. <i>Hepatology</i> , 2008 , 48, 567-79	11.2	105
466	De novo bile salt transporter antibodies as a possible cause of recurrent graft failure after liver transplantation: a novel mechanism of cholestasis. <i>Hepatology</i> , 2009 , 50, 510-7	11.2	104
465	Oxidative stress markers in the brain of patients with cirrhosis and hepatic encephalopathy. <i>Hepatology</i> , 2010 , 52, 256-65	11.2	103
464	Hepatorenal reflex regulating kidney function. <i>Hepatology</i> , 1991 , 14, 590-594	11.2	103
463	Phenotype of the taurine transporter knockout mouse. <i>Methods in Enzymology</i> , 2007 , 428, 439-58	1.7	102
462	Hyperosmolarity and CD95L trigger CD95/EGF receptor association and tyrosine phosphorylation of CD95 as prerequisites for CD95 membrane trafficking and DISC formation. <i>FASEB Journal</i> , 2003 , 17, 731-3	0.9	101
461	Water, K ⁺ , H ⁺ , lactate and glucose fluxes during cell volume regulation in perfused rat liver. <i>Pflügers Archiv European Journal of Physiology</i> , 1989 , 413, 209-16	4.6	100
460	Trafficking of the bile salt export pump from the Golgi to the canalicular membrane is regulated by the p38 MAP kinase. <i>Gastroenterology</i> , 2004 , 126, 541-53	13.3	99
459	Protein kinase C-dependent distribution of the multidrug resistance protein 2 from the canalicular to the basolateral membrane in human HepG2 cells. <i>Hepatology</i> , 2001 , 34, 340-50	11.2	98
458	Calcium-dependent activation of Erk-1 and Erk-2 after hypo-osmotic astrocyte swelling. <i>Biochemical Journal</i> , 1996 , 320 (Pt 1), 167-71	3.8	98
457	Canonical Wnt signaling maintains the quiescent stage of hepatic stellate cells. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 367, 116-23	3.4	96
456	Reversible inhibition of mammalian glutamine synthetase by tyrosine nitration. <i>FEBS Letters</i> , 2007 , 581, 84-90	3.8	95
455	Taurolithocholic acid-3 sulfate induces CD95 trafficking and apoptosis in a c-Jun N-terminal kinase-dependent manner. <i>Gastroenterology</i> , 2002 , 122, 1411-27	13.3	95
454	Hepatic stem cell niches. <i>Journal of Clinical Investigation</i> , 2013 , 123, 1874-80	15.9	95
453	Interaction of oxidative stress, astrocyte swelling and cerebral ammonia toxicity. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2010 , 13, 87-92	3.8	94
452	Involvement of integrins and Src in tauroursodeoxycholate-induced and swelling-induced choleresis. <i>Gastroenterology</i> , 2003 , 124, 1476-87	13.3	94
451	Endocrine and paracrine role of bile acids. <i>World Journal of Gastroenterology</i> , 2008 , 14, 5620-9	5.6	93

450	Functional hepatocyte heterogeneity in ammonia metabolism. The intercellular glutamine cycle. <i>Journal of Hepatology</i> , 1985 , 1, 3-14	13.4	92
449	The membrane-bound bile acid receptor TGR5 (Gpbar-1) is localized in the primary cilium of cholangiocytes. <i>Biological Chemistry</i> , 2010 , 391, 785-9	4.5	91
448	Mutational characterization of the bile acid receptor TGR5 in primary sclerosing cholangitis. <i>PLoS ONE</i> , 2010 , 5, e12403	3.7	90
447	Regulation of suppressor of cytokine signaling 3 (SOCS3) mRNA stability by TNF-alpha involves activation of the MKK6/p38MAPK/MK2 cascade. <i>Journal of Immunology</i> , 2007 , 178, 2813-26	5.3	90
446	Involvement of p38MAPK in the regulation of proteolysis by liver cell hydration. <i>Gastroenterology</i> , 1999 , 116, 921-35	13.3	90
445	Hepatic role in pH regulation: role of the intercellular glutamine cycle. <i>Trends in Biochemical Sciences</i> , 1984 , 9, 300-302	10.3	90
444	Chronic liver disease is triggered by taurine transporter knockout in the mouse. <i>FASEB Journal</i> , 2006 , 20, 574-6	0.9	89
443	Late-phase pulse-inversion sonography using the contrast agent levovist: differentiation between benign and malignant focal lesions of the liver. <i>American Journal of Roentgenology</i> , 2002 , 179, 1273-9	5.4	89
442	An obligatory requirement for the heterotrimeric G protein Gi3 in the antiautophagic action of insulin in the liver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 3003-8	11.5	88
441	Perspective: TGR5 (Gpbar-1) in liver physiology and disease. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2012 , 36, 412-9	2.4	86
440	Bile acids PKA-dependently induce a switch of the IL-10/IL-12 ratio and reduce proinflammatory capability of human macrophages. <i>Journal of Leukocyte Biology</i> , 2013 , 94, 1253-64	6.5	86
439	HFE mutations and chronic hepatitis C: H63D and C282Y heterozygosity are independent risk factors for liver fibrosis and cirrhosis. <i>Journal of Hepatology</i> , 2003 , 38, 335-42	13.4	86
438	Regulation of CD95 (APO-1/Fas) receptor and ligand expression by lipopolysaccharide and dexamethasone in parenchymal and nonparenchymal rat liver cells. <i>Hepatology</i> , 1998 , 27, 200-8	11.2	83
437	Involvement of integrins in osmosensing and signaling toward autophagic proteolysis in rat liver. <i>Journal of Biological Chemistry</i> , 2003 , 278, 27088-95	5.4	83
436	Caspase 9-dependent killing of hepatic stellate cells by activated Kupffer cells. <i>Gastroenterology</i> , 2002 , 123, 845-61	13.3	82
435	Interactions between glutamine metabolism and cell-volume regulation in perfused rat liver. <i>FEBS Journal</i> , 1990 , 188, 689-95		82
434	Hepatic urea synthesis and pH regulation. Role of CO ₂ , HCO ₃ ⁻ , pH and the activity of carbonic anhydrase. <i>FEBS Journal</i> , 1985 , 152, 381-6		82
433	Activation of pyruvate dehydrogenase during metabolism of ammonium ions in hemoglobin-free perfused rat liver. <i>FEBS Journal</i> , 1975 , 52, 421-31		82

432	Volume regulation in liver: further characterization by inhibitors and ionic substitutions. <i>Hepatology</i> , 1990 , 11, 243-54	11.2	80
431	Role of plasma membrane transport in hepatic glutamine metabolism. <i>FEBS Journal</i> , 1985 , 152, 597-603		79
430	Hepatocyte heterogeneity in glutamate uptake by isolated perfused rat liver. <i>FEBS Journal</i> , 1983 , 136, 421-5		79
429	Epigenetic regulation during hepatic stellate cell activation. <i>European Journal of Medical Research</i> , 2014 , 19,	4.8	78
428	The secondary structure of the TGR5 membrane-proximal C-terminus determines plasma membrane localization and responsiveness towards extracellular ligands. <i>European Journal of Medical Research</i> , 2014 , 19, S14	4.8	78
427	Immune functions during chronic viral infections. <i>European Journal of Medical Research</i> , 2014 , 19,	4.8	78
426	Ultrasound in tropical and parasitic diseases. <i>Lancet, The</i> , 2003 , 362, 900-2	4.0	77
425	Neural mechanism underlying impaired visual judgement in the dysmetabolic brain: an fMRI study. <i>NeuroImage</i> , 2004 , 22, 541-52	7.9	76
424	Involvement of the Src family kinase yes in bile salt-induced apoptosis. <i>Gastroenterology</i> , 2004 , 127, 1540-53	5.3	75
423	Hyperosmolarity triggers CD95 membrane trafficking and sensitizes rat hepatocytes toward CD95L-induced apoptosis. <i>Hepatology</i> , 2002 , 36, 602-14	11.2	73
422	Functional hepatocyte heterogeneity in glutamate, aspartate and α -ketoglutarate uptake: A histoautoradiographical study. <i>Hepatology</i> , 1991 , 13, 247-253	11.2	73
421	Osmoregulated taurine transport in H4IIE hepatoma cells and perfused rat liver. <i>Biochemical Journal</i> , 1997 , 321 (Pt 3), 683-90	3.8	72
420	Regulation of the dynamic localization of the rat Bsep gene-encoded bile salt export pump by anisoosmolarity. <i>Hepatology</i> , 2001 , 33, 509-18	11.2	72
419	Hepatocyte swelling leads to rapid decrease of the G-/total actin ratio and increases actin mRNA levels. <i>FEBS Letters</i> , 1992 , 311, 241-5	3.8	72
418	The cellular hydration state: a critical determinant for cell death and survival. <i>Biological Chemistry</i> , 2002 , 383, 577-83	4.5	71
417	Mechanosensing by β 1 integrin induces angiocrine signals for liver growth and survival. <i>Nature</i> , 2018 , 562, 128-132	50.4	71
416	Integrated metabolic spatial-temporal model for the prediction of ammonia detoxification during liver damage and regeneration. <i>Hepatology</i> , 2014 , 60, 2040-51	11.2	69
415	Benign recurrent intrahepatic cholestasis associated with mutations of the bile salt export pump. <i>Journal of Clinical Gastroenterology</i> , 2006 , 40, 171-5	3	69

414	Lipopolysaccharide-induced tyrosine nitration and inactivation of hepatic glutamine synthetase in the rat. <i>Hepatology</i> , 2005 , 41, 1065-73	11.2	69
413	Control of hepatic proteolysis by amino acids. The role of cell volume. <i>FEBS Journal</i> , 1991 , 197, 717-24		69
412	Sequencing of FIC1, BSEP and MDR3 in a large cohort of patients with cholestasis revealed a high number of different genetic variants. <i>Journal of Hepatology</i> , 2017 , 67, 1253-1264	13.4	68
411	Hepatocyte heterogeneity in ammonia metabolism: impairment of glutamine synthesis in CCl ₄ induced liver cell necrosis with no effect on urea synthesis. <i>Chemico-Biological Interactions</i> , 1984 , 48, 191-4	5	68
410	Involvement of CD95 (Apo-1/Fas) ligand expressed by rat Kupffer cells in hepatic immunoregulation. <i>Gastroenterology</i> , 1999 , 116, 666-77	13.3	67
409	Osmotic induction of signaling cascades: role in regulation of cell function. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 255, 551-5	3.4	67
408	Glutamine metabolism and signaling in the liver. <i>Frontiers in Bioscience - Landmark</i> , 2007 , 12, 371-91	2.8	67
407	Face masks: benefits and risks during the COVID-19 crisis. <i>European Journal of Medical Research</i> , 2020 , 25, 32	4.8	67
406	The Src family kinase Yes triggers hyperosmotic activation of the epidermal growth factor receptor and CD95. <i>Journal of Biological Chemistry</i> , 2004 , 279, 23977-87	5.4	66
405	Inhibition of bile salt-induced apoptosis by cyclic AMP involves serine/threonine phosphorylation of CD95. <i>Gastroenterology</i> , 2004 , 126, 249-62	13.3	66
404	Prevention of bile acid-induced apoptosis by betaine in rat liver. <i>Hepatology</i> , 2002 , 36, 829-39	11.2	66
403	Glutamine metabolism in the liver: overview and current concepts. <i>Metabolism: Clinical and Experimental</i> , 1989 , 38, 14-7	12.7	66
402	Osmotic and oxidative/nitrosative stress in ammonia toxicity and hepatic encephalopathy. <i>Archives of Biochemistry and Biophysics</i> , 2013 , 536, 158-63	4.1	65
401	Multimodal treatment of hepatocellular carcinoma. <i>European Journal of Internal Medicine</i> , 2014 , 25, 430-7	3.9	65
400	Infusion of CD133+ bone marrow-derived stem cells after selective portal vein embolization enhances functional hepatic reserves after extended right hepatectomy: a retrospective single-center study. <i>Annals of Surgery</i> , 2012 , 255, 79-85	7.8	65
399	Monoterpene (-)-citronellal affects hepatocarcinoma cell signaling via an olfactory receptor. <i>Archives of Biochemistry and Biophysics</i> , 2015 , 566, 100-9	4.1	64
398	Electron-microscopic demonstration of multidrug resistance protein 2 (Mrp2) retrieval from the canalicular membrane in response to hyperosmolarity and lipopolysaccharide. <i>Biochemical Journal</i> , 2000 , 348, 183-188	3.8	64
397	Short-term regulation of canalicular transport. <i>Seminars in Liver Disease</i> , 2000 , 20, 307-21	7.3	64

396	Bile acid receptors in the biliary tree: TGR5 in physiology and disease. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 1319-1325	6.9	63
395	Hepatic stellate cells support hematopoiesis and are liver-resident mesenchymal stem cells. <i>Cellular Physiology and Biochemistry</i> , 2013 , 31, 290-304	3.9	63
394	Pathogenetic interplay between osmotic and oxidative stress: the hepatic encephalopathy paradigm. <i>Biological Chemistry</i> , 2006 , 387, 1363-70	4.5	63
393	Blunted apoptosis of erythrocytes from taurine transporter deficient mice. <i>Cellular Physiology and Biochemistry</i> , 2003 , 13, 337-46	3.9	63
392	Ammonia-induced heme oxygenase-1 expression in cultured rat astrocytes and rat brain in vivo. <i>Glia</i> , 2002 , 40, 324-36	9	63
391	Regulation of hepatic ammonia metabolism: the intercellular glutamine cycle. <i>Advances in Enzyme Regulation</i> , 1986 , 25, 159-80		63
390	Ammonia-induced senescence in cultured rat astrocytes and in human cerebral cortex in hepatic encephalopathy. <i>Glia</i> , 2015 , 63, 37-50	9	62
389	Tissue macrophages suppress viral replication and prevent severe immunopathology in an interferon-I-dependent manner in mice. <i>Hepatology</i> , 2010 , 52, 25-32	11.2	62
388	Involvement of integrins and Src in insulin signaling toward autophagic proteolysis in rat liver. <i>Journal of Biological Chemistry</i> , 2004 , 279, 21294-301	5.4	62
387	Cell volume is a major determinant of proteolysis control in liver. <i>FEBS Letters</i> , 1991 , 283, 70-2	3.8	62
386	Inborn error of amino acid synthesis: human glutamine synthetase deficiency. <i>Journal of Inherited Metabolic Disease</i> , 2006 , 29, 352-8	5.4	60
385	Color Doppler sonographic evaluation of spontaneous portosystemic shunts and inversion of portal venous flow in patients with cirrhosis. <i>Journal of Clinical Ultrasound</i> , 2000 , 28, 332-9	1	59
384	Model-guided identification of a therapeutic strategy to reduce hyperammonemia in liver diseases. <i>Journal of Hepatology</i> , 2016 , 64, 860-71	13.4	58
383	Glutamine synthetase becomes nitrated and its activity is reduced during repetitive seizure activity in the pentylenetetrazole model of epilepsy. <i>Epilepsia</i> , 2008 , 49, 1733-48	6.4	58
382	Hypoosmotic swelling increases protein tyrosine nitration in cultured rat astrocytes. <i>Glia</i> , 2004 , 47, 21-9	9	58
381	Hypoosmotic swelling affects zinc homeostasis in cultured rat astrocytes. <i>Glia</i> , 2009 , 57, 79-92	9	57
380	Nonstructural 3/4A protease of hepatitis C virus activates epithelial growth factor-induced signal transduction by cleavage of the T-cell protein tyrosine phosphatase. <i>Hepatology</i> , 2009 , 49, 1810-20	11.2	56
379	Compatible organic osmolytes in rat liver sinusoidal endothelial cells. <i>Hepatology</i> , 1998 , 27, 569-75	11.2	56

378	Quantitative T1 mapping of hepatic encephalopathy using magnetic resonance imaging. <i>Hepatology</i> , 2003 , 38, 1219-26	11.2	56
377	Cell hydration controls autophagosome formation in rat liver in a microtubule-dependent way downstream from p38MAPK activation. <i>Biochemical Journal</i> , 2001 , 354, 31-36	3.8	56
376	Inhibiting Glutamine-Dependent mTORC1 Activation Ameliorates Liver Cancers Driven by β -Catenin Mutations. <i>Cell Metabolism</i> , 2019 , 29, 1135-1150.e6	24.6	55
375	Assessment of low-grade hepatic encephalopathy: a critical analysis. <i>Journal of Hepatology</i> , 2007 , 47, 642-50	13.4	55
374	Value of critical flicker frequency and psychometric hepatic encephalopathy score in diagnosis of low-grade hepatic encephalopathy. <i>Gastroenterology</i> , 2014 , 146, 961-9	13.3	54
373	Distinct functions of the mitogen-activated protein kinase-activated protein (MAPKAP) kinases MK2 and MK3: MK2 mediates lipopolysaccharide-induced signal transducers and activators of transcription 3 (STAT3) activation by preventing negative regulatory effects of MK3. <i>Journal of Biological Chemistry</i> , 2011 , 286, 21112-21	5.4	54
372	Ca ²⁺ -dependent protein kinase C isoforms induce cholestasis in rat liver. <i>Journal of Biological Chemistry</i> , 2004 , 279, 10323-30	5.4	54
371	Obstructive cholestasis induces TNF- α - and IL-1 -mediated periportal downregulation of Bsep and zonal regulation of Ntcp, Oatp1a4, and Oatp1b2. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 293, G1134-46	5.1	53
370	Taurine is an osmolyte in rat liver macrophages (Kupffer cells). <i>Journal of Hepatology</i> , 1997 , 26, 1340-7	13.4	52
369	Endosomal acidification and activation of NADPH oxidase isoforms are upstream events in hyperosmolarity-induced hepatocyte apoptosis. <i>Journal of Biological Chemistry</i> , 2006 , 281, 23150-66	5.4	52
368	Inflammatory cytokines induce protein tyrosine nitration in rat astrocytes. <i>Archives of Biochemistry and Biophysics</i> , 2006 , 449, 104-14	4.1	52
367	TACE plus sorafenib for the treatment of hepatocellular carcinoma: results of the multicenter, phase II SOCRATES trial. <i>Cancer Chemotherapy and Pharmacology</i> , 2014 , 74, 947-54	3.5	51
366	CD95-tyrosine nitration inhibits hyperosmotic and CD95 ligand-induced CD95 activation in rat hepatocytes. <i>Journal of Biological Chemistry</i> , 2004 , 279, 10364-73	5.4	51
365	Benzodiazepine-induced protein tyrosine nitration in rat astrocytes. <i>Hepatology</i> , 2003 , 37, 334-42	11.2	51
364	Effect of anisotonic cell-volume modulation on glutathione-S-conjugate release, t-butylhydroperoxide metabolism and the pentose-phosphate shunt in perfused rat liver. <i>FEBS Journal</i> , 1992 , 209, 437-44		50
363	Mitochondrial nicotinamide nucleotide systems: ammonium chloride responses and associated metabolic transitions in hemoglobin-free perfused rat liver. <i>Biological Chemistry</i> , 1974 , 355, 305-20	4.5	50
362	Astrocyte swelling and protein tyrosine nitration in hepatic encephalopathy. <i>Neurochemistry International</i> , 2005 , 47, 64-70	4.4	49
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