Milan Jirsa

List of Publications by Year in descending order

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87 papers	2,793 citations	236612 25 h-index	182168 51 g-index
87 all docs	87 docs citations	87 times ranked	4042 citing authors

#	Article	IF	Citations
1	Gilbert syndrome and ischemic heart disease: a protective effect of elevated bilirubin levels. Atherosclerosis, 2002, 160, 449-456.	0.4	383
2	Severe Bile Salt Export Pump Deficiency: 82 Different ABCB11 Mutations in 109 Families. Gastroenterology, 2008, 134, 1203-1214.e8.	0.6	331
3	Complete OATP1B1 and OATP1B3 deficiency causes human Rotor syndrome by interrupting conjugated bilirubin reuptake into the liver. Journal of Clinical Investigation, 2012, 122, 519-528.	3.9	321
4	New insights in bilirubin metabolism and their clinical implications. World Journal of Gastroenterology, 2013, 19, 6398.	1.4	151
5	Troy, a Tumor Necrosis Factor Receptor Family Member, Interacts With Lgr5 to Inhibit Wnt Signaling in Intestinal Stem Cells. Gastroenterology, 2013, 144, 381-391.	0.6	94
6	Relation between hepatic expression of ATP-binding cassette transporters G5 and G8 and biliary cholesterol secretion in mice. Journal of Hepatology, 2003, 38, 710-716.	1.8	78
7	Analyzing the mechanisms of iron oxide nanoparticles interactions with cells: A road from failure to success in clinical applications. Journal of Controlled Release, 2020, 328, 59-77.	4.8	72
8	Highly sensitive method for quantitative determination of bilirubin in biological fluids and tissues. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 867, 37-42.	1.2	67
9	New Insights in Genetic Cholestasis: From Molecular Mechanisms to Clinical Implications. Canadian Journal of Gastroenterology and Hepatology, 2018, 2018, 1-12.	0.8	59
10	Influence of Plasma Exchange on Serum Levels of Cytokines and Adhesion Molecules in ANCA-Positive Renal Vasculitis. Blood Purification, 1998, 16, 72-80.	0.9	56
11	Prevalence and risk factors of steatosis after liver transplantation and patient outcomes. Liver Transplantation, 2016, 22, 644-655.	1.3	56
12	Revised King's College score for liver transplantation in adult patients with Wilson's disease. Liver Transplantation, 2007, 13, 55-61.	1.3	51
13	Genetic background of cholesterol gallstone disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2003, 1637, 1-19.	1.8	47
14	Intestinal Colonization Leading to Fecal Urobilinoid Excretion May Play a Role in the Pathogenesis of Neonatal Jaundice. Journal of Pediatric Gastroenterology and Nutrition, 2000, 30, 294-298.	0.9	45
15	Hyperbaric oxygen and photodynamic therapy in tumour-bearing nude mice. European Journal of Cancer & Clinical Oncology, 1991, 27, 109.	0.9	41
16	Remote Actuation of Apoptosis in Liver Cancer Cells via Magneto-Mechanical Modulation of Iron Oxide Nanoparticles. Cancers, 2019, 11, 1873.	1.7	40
17	Nanoparticle core stability and surface functionalization drive the mTOR signaling pathway in hepatocellular cell lines. Scientific Reports, 2017, 7, 16049.	1.6	38
18	Chemically different non-thermal plasmas target distinct cell death pathways. Scientific Reports, 2017, 7, 600.	1.6	36

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19	Hepcidin knockout mice spontaneously develop chronic pancreatitis owing to cytoplasmic iron overload in acinar cells. Journal of Pathology, 2017, 241, 104-114.	2.1	36
20	ABCB4 disease: Many faces of one gene deficiency. Annals of Hepatology, 2020, 19, 126-133.	0.6	35
21	Targeting the mTOR Signaling Pathway Utilizing Nanoparticles: A Critical Overview. Cancers, 2019, 11, 82.	1.7	34
22	Dual Hereditary Jaundice: Simultaneous Occurrence of Mutations Causing Gilbertâ€™s and Dubin-Johnson Syndrome. Gastroenterology, 2005, 129, 315-320.	0.6	33
23	Non-Thermal Plasma, as a New Physicochemical Source, to Induce Redox Imbalance and Subsequent Cell Death in Liver Cancer Cell Lines. Cellular Physiology and Biochemistry, 2019, 52, 119-140.	1.1	33
24	Serum bilirubin levels and UGT1A1 promoter variations in patients with schizophrenia. Psychiatry Research, 2010, 178, 449-450.	1.7	31
25	Light-induced modulation of the mitochondrial respiratory chain activity: possibilities and limitations. Cellular and Molecular Life Sciences, 2020, 77, 2815-2838.	2.4	29
26	Donor PNPLA3 rs738409 genotype is a risk factor for graft steatosis. A post-transplant biopsy-based study. Digestive and Liver Disease, 2018, 50, 490-495.	0.4	25
27	Iron Oxide Nanoparticle-Induced Autophagic Flux Is Regulated by Interplay between p53-mTOR Axis and Bcl-2 Signaling in Hepatic Cells. Cells, 2020, 9, 1015.	1.8	25
28	Soluble Adhesion Molecules and Cytokines in Patients with Myasthenia Gravis Treated by Plasma Exchange. Blood Purification, 2000, 18, 115-120.	0.9	22
29	Rotor-type hyperbilirubinaemia has no defect in the canalicular bilirubin export pump. Liver International, 2007, 27, 485-491.	1.9	22
30	Manipulating the mitochondria activity in human hepatic cell line Huh7 by low-power laser irradiation. Biomedical Optics Express, 2018, 9, 1283.	1.5	21
31	Alagille Syndrome Mimicking Biliary Atresia in Early Infancy. PLoS ONE, 2015, 10, e0143939.	1.1	21
32	ABCB4mutations underlie hormonal cholestasis but not pediatric idiopathic gallstones. World Journal of Gastroenterology, 2014, 20, 5867.	1.4	21
33	1H MR spectroscopy as a diagnostic tool for cerebral creatine deficiency. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2008, 21, 327-332.	1.1	20
34	NKD1 marks intestinal and liver tumors linked to aberrant Wnt signaling. Cellular Signalling, 2015, 27, 245-256.	1.7	19
35	The use of pulsed magnetic fields to increase the uptake of iron oxide nanoparticles by living cells. Applied Physics Letters, 2017, 111, .	1.5	19
36	Progressive lysosomal membrane permeabilization induced by iron oxide nanoparticles drives hepatic cell autophagy and apoptosis. Nano Convergence, 2020, 7, 17.	6.3	19

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37	Role of biliary proteins and non-protein factors in kinetics of cholesterol crystallisation and gallstone growth. Frontiers in Bioscience - Landmark, 2001, 6, e154.	3.0	18
38	Modulation of collective cell behaviour by geometrical constraints. Integrative Biology (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	0.6	17
39	Successful Treatment of Iron-Overload Cardiomyopathy in Hereditary Hemochromatosis With Deferoxamine and Deferiprone. Canadian Journal of Cardiology, 2016, 32, 1574.e1-1574.e3.	0.8	17
40	Rare variants in known and novel candidate genes predisposing to statin-associated myopathy. Pharmacogenomics, 2016, 17, 1405-1414.	0.6	17
41	Donor PNPLA3 and TM6SF2 Variant Alleles Confer Additive Risks for Graft Steatosis After Liver Transplantation. Transplantation, 2020, 104, 526-534.	0.5	16
42	CYP7A1 promoter polymorphism â˜'203A>C affects bile salt synthesis rate in patients after ileal resection. Journal of Lipid Research, 2008, 49, 2664-2667.	2.0	15
43	Disruption of OTC promoter-enhancer interaction in a patient with symptoms of ornithine carbamoyltransferase deficiency. Human Mutation, 2010, 31, E1294-E1303.	1.1	14
44	Novel ABCB11 mutations in a Thai infant with progressive familial intrahepatic cholestasis. World Journal of Gastroenterology, 2009, 15, 4339.	1.4	13
45	Solid phase extraction and isocratic separation of urinary porphyrins by HPLC. Biomedical Chromatography, 1986, 1, 159-162.	0.8	12
46	Variable X-chromosome inactivation and enlargement of pericentral glutamine synthetase zones in the liver of heterozygous females with OTC deficiency. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2018, 472, 1029-1039.	1.4	12
47	Dubin-Johnson syndrome coinciding with colon cancer and atherosclerosis. World Journal of Gastroenterology, 2013, 19, 946.	1.4	12
48	Long-term treatment of IgA nephropathy with cyclosporin A-a preliminary report. Nephrology Dialysis Transplantation, 1997, 12, 2206-2207.	0.4	10
49	Do common genetic variants in endotoxin signaling pathway contribute to predisposition to alcoholic liver cirrhosis?. Clinical Chemistry and Laboratory Medicine, 2009, 47, 398-404.	1.4	10
50	Treatment of pruritus with <scp>P</scp>rometheus dialysis and absorption system in a patient with benign recurrent intrahepatic cholestasis. Hepatology Research, 2014, 44, E304-E308.	1.8	10
51	A mutation in the SAA1 promoter causes hereditary amyloid A amyloidosis. Kidney International, 2022, 101, 349-359.	2.6	10
52	The interactions between DNA nanostructures and cells: A critical overview from a cell biology perspective. Acta Biomaterialia, 2022, 146, 10-22.	4.1	10
53	Carcinoembryonic antigen-related cell adhesion molecule 1 is the 85-kilodalton pronase-resistant biliary glycoprotein in the cholesterol crystallization promoting low density protein-lipid complex. Hepatology, 2001, 34, 1075-1082.	3.6	9
54	Nasobiliary Drainage in an Episode of Intrahepatic Cholestasis in a Child With Mild ABCB11 Disease. Journal of Pediatric Gastroenterology and Nutrition, 2012, 55, 88-90.	0.9	9

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55	Linkage between A(TA)7TAA and ?3279T>G mutations in UGT1A1 is not essential for pathogenesis of Gilbert syndrome. Liver International, 2006, 26, 1302-1303.	1.9	8
56	Beyond an Obvious Cause of Cholestasis in a Toddler: Compound Heterozygosity for ABCB11 Mutations. Pediatrics, 2019, 143, .	1.0	8
57	Alpha-1 Antitrypsin and Hepatocellular Carcinoma in Liver Cirrhosis: SERPINA1 MZ or MS Genotype Carriage Decreases the Risk. International Journal of Molecular Sciences, 2021, 22, 10560.	1.8	8
58	Relevance of low viral load in haemodialysed patients with chronic hepatitis C virus infection. World Journal of Gastroenterology, 2015, 21, 5496.	1.4	8
59	LONG TERM TREATMENT OF IgA NEPHROPATHY WITH CYCLOSPORINE A. Renal Failure, 2000, 22, 55-62.	0.8	7
60	N -acetyl cysteine averted liver transplantation in a patient with liver failure caused by erythropoietic protoporphyria. Liver Transplantation, 2009, 15, 352-354.	1.3	7
61	FAT MASS AND OBESITYâ€ASSOCIATED (FTO) GENE AND ALCOHOL INTAKE. Addiction, 2012, 107, 1185-1186.	1.7	7
62	Genetic variation in TNFA predicts protection from severe bacterial infections in patients with end-stage liver disease awaiting liver transplantation. Journal of Hepatology, 2014, 60, 773-781.	1.8	7
63	Glucocerebrosidase gene has an alternative upstream promoter, which has features and expression characteristic of housekeeping genes. Blood Cells, Molecules, and Diseases, 2011, 46, 239-245.	0.6	6
64	Ornithine carbamoyltransferase deficiency: molecular characterization of 29 families. Clinical Genetics, 2013, 84, 552-559.	1.0	6
65	Liver stiffness measured by two-dimensional shear-wave elastography predicts hepatic vein pressure gradient at high values in liver transplant candidates with advanced liver cirrhosis. PLoS ONE, 2021, 16, e0244934.	1.1	6
66	Down-regulation of OATP1B proteins correlates with hyperbilirubinemia in advanced cholestasis. International Journal of Clinical and Experimental Pathology, 2015, 8, 5252-62.	0.5	6
67	Influence of hyperbaric oxygenation on bilirubin and ditaurobilirubin auto-oxidation and porphyrin-sensitized photo-oxidation. Journal of Photochemistry and Photobiology B: Biology, 1990, 5, 295-302.	1.7	5
68	IL28B rs12979860 T allele protects against CMV disease in liver transplant recipients in the postâ€prophylaxis and late period. Transplant Infectious Disease, 2019, 21, e13124.	0.7	5
69	Hepatic Tumor Cell Morphology Plasticity under Physical Constraints in 3D Cultures Driven by YAPâ€“mTOR Axis. Pharmaceuticals, 2020, 13, 430.	1.7	5
70	Expression of Interferons Lambda 3 and 4 Induces Identical Response in Human Liver Cell Lines Depending Exclusively on Canonical Signaling. International Journal of Molecular Sciences, 2021, 22, 2560.	1.8	5
71	ATP8B1 Gene Expression Is Driven by a Housekeeping-Like Promoter Independent of Bile Acids and Farnesoid X Receptor. PLoS ONE, 2012, 7, e51650.	1.1	4
72	Effect of acute hyperglycaemia on selected plasma and urinary cytokine antagonists in Type 1 diabetes mellitus. Diabetologia, 2003, 46, 470-474.	2.9	3

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73	Wilson disease as a cause of liver injury in cystic fibrosis. Journal of Cystic Fibrosis, 2009, 8, 63-65.	0.3	3
74	PNPLA3 rs738409 G allele carriers with genotype 1b HCV cirrhosis have lower viral load but develop liver failure at younger age. PLoS ONE, 2019, 14, e0222609.	1.1	3
75	USP18 downregulation in peripheral blood mononuclear cells predicts nonresponse to interferon-based triple therapy in patients with chronic hepatitis C, genotype 1: a pilot study. Therapeutics and Clinical Risk Management, 2015, 11, 1853.	0.9	2
76	HGSNAT has a TATA-less promoter with multiple starts of transcription. Gene, 2016, 592, 36-42.	1.0	2
77	Cytotoxic bilirubin metabolites overlooked so far. Journal of Hepatology, 2017, 67, 214-215.	1.8	2
78	ABCB4 disease mimicking morbus Wilson: A potential diagnostic pitfall. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2020, 164, 121-125.	0.2	2
79	Bacterial oxidation of cholic acid byArthrobacter sp. Folia Microbiologica, 1995, 40, 621-626.	1.1	1
80	Indel in the FIC1/ATP8B1 gene?a novel rare type of mutation associated with benign recurrent intrahepatic cholestasis. Hepatology Research, 2004, 30, 1-3.	1.8	1
81	Radionuclide cholescintigraphy in genetically confirmed Rotor syndrome. Pediatrics International, 2015, 57, 981-985.	0.2	1
82	Hereditary haemochromatosis caused by homozygous <scp>HJV</scp> mutation evolved through paternal disomy. Clinical Genetics, 2015, 87, 96-98.	1.0	1
83	Dubin-Johnson syndrome in Tunisia: Spectrum of a rare disease. Presse Medicale, 2019, 48, 81-82.	0.8	1
84	Functional evaluation of variants of unknown significance in theBRCA2gene identified in genetic testing. Cancer Biology and Therapy, 2019, 20, 633-641.	1.5	1
85	The process of continuous production and isolation of coproporphyrin. Biotechnology Letters, 1988, 10, 273-276.	1.1	0
86	Progressive familial intrahepatic cholestasis type 2 â€“ paediatric patients followed at the Paediatric Clinic of the 2nd Medical Faculty, University Hospital Motol, Prague. Gastroenterologie A Hepatologie, 2015, 69, 547-553.	0.0	0
87	Olgu sunumu: molekÃ¼ler dÃ¼zeyde tanÄ±sÄ± konulmuÅŸ olan ilk TÃ¼rk Rotor sendromlu aile. Turk Pediatri Arsivi, 2020, 55, 430-433.	0.9	0