

Libor Vitek

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4941745/publications.pdf>

Version: 2024-02-01

240
papers

7,321
citations

61984

43
h-index

74163

75
g-index

261
all docs

261
docs citations

261
times ranked

8717
citing authors

#	ARTICLE	IF	CITATIONS
1	Gilbert syndrome and ischemic heart disease: a protective effect of elevated bilirubin levels. <i>Atherosclerosis</i> , 2002, 160, 449-456.	0.8	383
2	Inverse Relationship Between Serum Bilirubin and Atherosclerosis in Men: A Meta-Analysis of Published Studies. <i>Experimental Biology and Medicine</i> , 2003, 228, 568-571.	2.4	292
3	Transition-Metal-Free CO-Releasing BODIPY Derivatives Activatable by Visible to NIR Light as Promising Bioactive Molecules. <i>Journal of the American Chemical Society</i> , 2016, 138, 126-133.	13.7	249
4	The Role of Bilirubin in Diabetes, Metabolic Syndrome, and Cardiovascular Diseases. <i>Frontiers in Pharmacology</i> , 2012, 3, 55.	3.5	224
5	Gilbert syndrome, UGT1A1*28 allele, and cardiovascular disease risk: Possible protective effects and therapeutic applications of bilirubin. <i>Atherosclerosis</i> , 2008, 198, 1-11.	0.8	201
6	Bilirubin Chemistry and Metabolism; Harmful and Protective Aspects. <i>Current Pharmaceutical Design</i> , 2009, 15, 2869-2883.	1.9	194
7	The Heme Catabolic Pathway and its Protective Effects on Oxidative Stress-Mediated Diseases. <i>Advances in Clinical Chemistry</i> , 2007, 43, 1-57.	3.7	174
8	A Novel Perspective on the Biology of Bilirubin in Health and Disease. <i>Trends in Molecular Medicine</i> , 2016, 22, 758-768.	6.7	147
9	Serum Bilirubin and Genes Controlling Bilirubin Concentrations as Biomarkers for Cardiovascular Disease. <i>Clinical Chemistry</i> , 2010, 56, 1535-1543.	3.2	134
10	Interplay Between Heme Oxygenase-1 and miR-378 Affects Non-Small Cell Lung Carcinoma Growth, Vascularization, and Metastasis. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 644-660.	5.4	131
11	Looking to the horizon: the role of bilirubin in the development and prevention of age-related chronic diseases. <i>Clinical Science</i> , 2015, 129, 1-25.	4.3	126
12	Anti-cancer effects of blue-green alga <i>Spirulina platensis</i> , a natural source of bilirubin-like tetrapyrrolic compounds. <i>Annals of Hepatology</i> , 2014, 13, 273-283.	1.5	118
13	Metabolomic-based noninvasive serum test to diagnose nonalcoholic steatohepatitis: Results from discovery and validation cohorts. <i>Hepatology Communications</i> , 2018, 2, 807-820.	4.3	117
14	Long-term follow-up of Wilson Disease: natural history, treatment, mutations analysis and phenotypic correlation. <i>Liver International</i> , 2011, 31, 83-91.	3.9	114
15	Laparoscopic sleeve gastrectomy differentially affects serum concentrations of FGF19 and FGF21 in morbidly obese subjects. <i>Obesity</i> , 2013, 21, 1335-1342.	3.0	106
16	The role of bile acids in metabolic regulation. <i>Journal of Endocrinology</i> , 2016, 228, R85-R96.	2.6	104
17	Bile acid malabsorption in inflammatory bowel disease. <i>Inflammatory Bowel Diseases</i> , 2011, 17, 1322-1327.	1.9	102
18	The Inverse Association of Elevated Serum Bilirubin Levels with Subclinical Carotid Atherosclerosis. <i>Cerebrovascular Diseases</i> , 2006, 21, 408-414.	1.7	96

#	ARTICLE	IF	CITATIONS
19	Enterohepatic cycling of bilirubin as a cause of "black" pigment gallstones in adult life. <i>European Journal of Clinical Investigation</i> , 2003, 33, 799-810.	3.4	95
20	Role of Heme Oxygenase-1 in Human Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 1634-1641.	2.4	95
21	Differences in antitumor effects of various statins on human pancreatic cancer. <i>International Journal of Cancer</i> , 2008, 122, 1214-1221.	5.1	93
22	New pathophysiological concepts underlying pathogenesis of pigment gallstones. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2012, 36, 122-129.	1.5	86
23	Pravastatin for early-onset pre-eclampsia: a randomised, blinded, placebo-controlled trial. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2020, 127, 478-488.	2.3	85
24	Bilirubin as a signaling molecule. <i>Medicinal Research Reviews</i> , 2020, 40, 1335-1351.	10.5	83
25	Antiproliferative effects of carbon monoxide on pancreatic cancer. <i>Digestive and Liver Disease</i> , 2014, 46, 369-375.	0.9	82
26	Randomized prospective comparative study of ursodeoxycholic acid and S-adenosyl-L-methionine in the treatment of intrahepatic cholestasis of pregnancy. <i>Journal of Perinatal Medicine</i> , 2006, 34, 383-91.	1.4	78
27	Protection from age-related increase in lipid biomarkers and inflammation contributes to cardiovascular protection in Gilbert's syndrome. <i>Clinical Science</i> , 2013, 125, 257-264.	4.3	78
28	Life-Long Correction of Hyperbilirubinemia with a Neonatal Liver-Specific AAV-Mediated Gene Transfer in a Lethal Mouse Model of Crigler-Najjar Syndrome. <i>Human Gene Therapy</i> , 2014, 25, 844-855.	2.7	74
29	Fasting-related hyperbilirubinemia in rats: The effect of decreased intestinal motility. <i>Gastroenterology</i> , 1996, 111, 217-223.	1.3	72
30	Association of serum bilirubin and promoter variations in <i>HMOX1</i> and <i>UGT1A1</i> genes with sporadic colorectal cancer. <i>International Journal of Cancer</i> , 2012, 131, 1549-1555.	5.1	70
31	Bile Acid Malabsorption in Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2015, 21, 476-483.	1.9	69
32	Highly sensitive method for quantitative determination of bilirubin in biological fluids and tissues. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 867, 37-42.	2.3	67
33	<i>Spirulina platensis</i> and phycocyanobilin activate atheroprotective heme oxygenase-1: a possible implication for atherogenesis. <i>Food and Function</i> , 2013, 4, 1586.	4.6	62
34	Statin treatment increases formation of carbon monoxide and bilirubin in mice: A novel mechanism of in vivo antioxidant protection. <i>Canadian Journal of Physiology and Pharmacology</i> , 2007, 85, 800-810.	1.4	61
35	Sleep disorders in Wilson's disease. <i>European Journal of Neurology</i> , 2011, 18, 184-190.	3.3	56
36	Bilirubin and Atherosclerotic Diseases. <i>Physiological Research</i> , 2017, 66, S11-S20.	0.9	55

#	ARTICLE	IF	CITATIONS
37	The impact of intestinal microflora on serum bilirubin levels. <i>Journal of Hepatology</i> , 2005, 42, 238-243.	3.7	53
38	Induction of Mild Hyperbilirubinemia: Hype or Real Therapeutic Opportunity?. <i>Clinical Pharmacology and Therapeutics</i> , 2019, 106, 568-575.	4.7	53
39	Hyperbilirubinemia Protects against Aging-Associated Inflammation and Metabolic Deterioration. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-10.	4.0	51
40	Visible to NIR Light Photoactivation of Hydrogen Sulfide for Biological Targeting. <i>Organic Letters</i> , 2018, 20, 4907-4911.	4.6	50
41	Chlorophyll-Mediated Changes in the Redox Status of Pancreatic Cancer Cells Are Associated with Its Anticancer Effects. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-11.	4.0	49
42	Carbon monoxide inhibits sprouting angiogenesis and vascular endothelial growth factor receptor-2 phosphorylation. <i>Thrombosis and Haemostasis</i> , 2015, 113, 329-337.	3.4	47
43	Bilirubin: The yellow hormone?. <i>Journal of Hepatology</i> , 2021, 75, 1485-1490.	3.7	47
44	Algae Consumption and Risk of Type 2 Diabetes: Korean National Health and Nutrition Examination Survey in 2005. <i>Journal of Nutritional Science and Vitaminology</i> , 2010, 56, 13-18.	0.6	46
45	Bilirubin accumulation and Cyp mRNA expression in selected brain regions of jaundiced Gunn rat pups. <i>Pediatric Research</i> , 2012, 71, 653-660.	2.3	45
46	Intestinal Colonization Leading to Fecal Urobilinoid Excretion May Play a Role in the Pathogenesis of Neonatal Jaundice. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2000, 30, 294-298.	1.8	45
47	The Relationship Between Serum Bilirubin and Crohn's Disease. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 481-487.	1.9	44
48	Effects of heme oxygenase-1 on induction and development of chemically induced squamous cell carcinoma in mice. <i>Free Radical Biology and Medicine</i> , 2011, 51, 1717-1726.	2.9	43
49	Osteopontin – A potential biomarker of advanced liver disease. <i>Annals of Hepatology</i> , 2020, 19, 344-352.	1.5	43
50	Intracellular accumulation of bilirubin as a defense mechanism against increased oxidative stress. <i>Biochimie</i> , 2012, 94, 1821-1827.	2.6	41
51	Identification of bilirubin reduction products formed by <i>Clostridium perfringens</i> isolated from human neonatal fecal flora. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 833, 149-157.	2.3	39
52	Bile acids decrease intracellular bilirubin levels in the cholestatic liver: implications for bile acid-mediated oxidative stress. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 1156-1165.	3.6	39
53	Poor chemical and microbiological quality of the commercial milk thistle-based dietary supplements may account for their reported unsatisfactory and non-reproducible clinical outcomes. <i>Scientific Reports</i> , 2019, 9, 11118.	3.3	39
54	Intestinal Excretion of Unconjugated Bilirubin in Man and Rats with Inherited Unconjugated Hyperbilirubinemia. <i>Pediatric Research</i> , 1997, 42, 195-200.	2.3	39

#	ARTICLE	IF	CITATIONS
55	Determination of Beta-Defensin Genomic Copy Number in Different Populations: A Comparison of Three Methods. PLoS ONE, 2011, 6, e16768.	2.5	39
56	Cyanine-Flavonol Hybrids for Near-Infrared Light-Activated Delivery of Carbon Monoxide. Chemistry - A European Journal, 2020, 26, 13184-13190.	3.3	37
57	Use of Non-Invasive Parameters of Non-Alcoholic Steatohepatitis and Liver Fibrosis in Daily Practice - An Exploratory Case-Control Study. PLoS ONE, 2014, 9, e111551.	2.5	37
58	Endocrine effects of duodenal-jejunal exclusion in obese patients with type 2 diabetes mellitus. Journal of Endocrinology, 2016, 231, 11-22.	2.6	36
59	Inflammatory signature of cerebellar neurodegeneration during neonatal hyperbilirubinemia in Ugt1 -/- mouse model. Journal of Neuroinflammation, 2017, 14, 64.	7.2	34
60	Complex Evaluation of Antioxidant Capacity of Milk Thistle Dietary Supplements. Antioxidants, 2019, 8, 317.	5.1	34
61	Variability in statin-induced changes in gene expression profiles of pancreatic cancer. Scientific Reports, 2017, 7, 44219.	3.3	33
62	In Silico and In Vitro Studies of Mycotoxins and Their Cocktails; Their Toxicity and Its Mitigation by Silibinin Pre-Treatment. Toxins, 2020, 12, 148.	3.4	33
63	Association of systemic lupus erythematosus with low serum bilirubin levels. Scandinavian Journal of Rheumatology, 2010, 39, 480-484.	1.1	32
64	Anti-cancer effects of blue-green alga Spirulina platensis, a natural source of bilirubin-like tetrapyrrolic compounds. Annals of Hepatology, 2014, 13, 273-83.	1.5	32
65	Serum bilirubin levels and UGT1A1 promoter variations in patients with schizophrenia. Psychiatry Research, 2010, 178, 449-450.	3.3	31
66	Bilirubin, Intestinal Integrity, the Microbiome, and Inflammation. New England Journal of Medicine, 2020, 383, 684-686.	27.0	31
67	Metabolic subtypes of patients with NAFLD exhibit distinctive cardiovascular risk profiles. Hepatology, 2022, 76, 1121-1134.	7.3	31
68	Effective Treatment of Unconjugated Hyperbilirubinemia With Oral Bile Salts in Gunn Rats. Gastroenterology, 2009, 136, 673-682.e1.	1.3	30
69	Reductive carboxylation and 2-hydroxyglutarate formation by wild-type IDH2 in breast carcinoma cells. International Journal of Biochemistry and Cell Biology, 2015, 65, 125-133.	2.8	30
70	Urinary excretion of oxidative metabolites of bilirubin in subjects with Gilbert syndrome. Journal of Gastroenterology and Hepatology (Australia), 2007, 22, 841-845.	2.8	29
71	Fetal complications due to intrahepatic cholestasis of pregnancy. Journal of Perinatal Medicine, 2015, 43, 133-139.	1.4	29
72	Bilirubin-induced ER stress contributes to the inflammatory response and apoptosis in neuronal cells. Archives of Toxicology, 2017, 91, 1847-1858.	4.2	29

#	ARTICLE	IF	CITATIONS
73	Decreased serum antioxidant capacity in patients with Wilson disease is associated with neurological symptoms. <i>Journal of Inherited Metabolic Disease</i> , 2012, 35, 541-548.	3.6	28
74	Cholestatic effect of epigallocatechin gallate in rats is mediated via decreased expression of Mrp2. <i>Toxicology</i> , 2013, 303, 9-15.	4.2	27
75	Isoprenoids responsible for protein prenylation modulate the biological effects of statins on pancreatic cancer cells. <i>Lipids in Health and Disease</i> , 2017, 16, 250.	3.0	27
76	Neuro-inflammatory effects of photodegradative products of bilirubin. <i>Scientific Reports</i> , 2018, 8, 7444.	3.3	27
77	The Biological Effects of Bilirubin Photoisomers. <i>PLoS ONE</i> , 2016, 11, e0148126.	2.5	27
78	The effect of simvastatin on lipid droplets accumulation in human embryonic kidney cells and pancreatic cancer cells. <i>Lipids in Health and Disease</i> , 2013, 12, 126.	3.0	26
79	The Effect of Zinc Salts on Serum Bilirubin Levels in Hyperbilirubinemic Rats. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2005, 40, 135-140.	1.8	25
80	The molecular basis of jaundice: An old symptom revisited. <i>Liver International</i> , 2017, 37, 1094-1102.	3.9	25
81	Bilirubin as a predictor of diseases of civilization. Is it time to establish decision limits for serum bilirubin concentrations?. <i>Archives of Biochemistry and Biophysics</i> , 2019, 672, 108062.	3.0	25
82	Regulation of Diurnal Variation of Cholesterol 7 α -hydroxylase (CYP7A1) Activity in Healthy Subjects. <i>Physiological Research</i> , 2010, 59, 233-238.	0.9	25
83	Osteopontin: A non-invasive parameter of portal hypertension and prognostic marker of cirrhosis. <i>World Journal of Gastroenterology</i> , 2016, 22, 3441-3450.	3.3	25
84	Decreased levels of advanced glycation end-products in patients with Gilbert syndrome. <i>Cellular and Molecular Biology</i> , 2005, 51, 387-92.	0.9	25
85	Anti-Genotoxic Potential of Bilirubin <i>In Vivo</i> : Damage to DNA in Hyperbilirubinemic Human and Animal Models. <i>Cancer Prevention Research</i> , 2013, 6, 1056-1063.	1.5	24
86	A Comprehensive Evaluation of Steroid Metabolism in Women with Intrahepatic Cholestasis of Pregnancy. <i>PLoS ONE</i> , 2016, 11, e0159203.	2.5	24
87	Protective effect of heme oxygenase induction in ethinylestradiol-induced cholestasis. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 924-933.	3.6	23
88	Association between plasma bilirubin and mortality. <i>Annals of Hepatology</i> , 2019, 18, 379-385.	1.5	23
89	Rotor-type hyperbilirubinaemia has no defect in the canalicular bilirubin export pump. <i>Liver International</i> , 2007, 27, 485-491.	3.9	22
90	Variants of <i>CARD15</i> , <i>TNFA</i> and <i>PTPN22</i> and susceptibility to Crohn's disease in the Czech population: high frequency of the <i>CARD15</i> 1007fs. <i>Tissue Antigens</i> , 2008, 71, 538-547.	1.0	22

#	ARTICLE	IF	CITATIONS
91	Safe use of ursodeoxycholic acid in a breast-feeding patient with primary biliary cirrhosis. <i>Digestive and Liver Disease</i> , 2010, 42, 911-912.	0.9	22
92	Albumin administration prevents neurological damage and death in a mouse model of severe neonatal hyperbilirubinemia. <i>Scientific Reports</i> , 2015, 5, 16203.	3.3	22
93	Diagnostic methods for neonatal hyperbilirubinemia: benefits, limitations, requirements, and novel developments. <i>Pediatric Research</i> , 2021, 90, 277-283.	2.3	22
94	Effect of Omega-3 Polyunsaturated Fatty Acids on Lipid Metabolism in Patients With Metabolic Syndrome and NAFLD. <i>Hepatology Communications</i> , 2022, 6, 1336-1349.	4.3	22
95	Infliximab dependency in children with Crohn's disease. <i>Alimentary Pharmacology and Therapeutics</i> , 2009, 29, 792-799.	3.7	21
96	Isolated Silymarin Flavonoids Increase Systemic and Hepatic Bilirubin Concentrations and Lower Lipoperoxidation in Mice. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-12.	4.0	21
97	Impact of Serum Bilirubin on Human Diseases. <i>Pediatrics</i> , 2005, 115, 1411-1412.	2.1	20
98	Beyond plasma bilirubin: The effects of phototherapy and albumin on brain bilirubin levels in Gunn rats. <i>Journal of Hepatology</i> , 2013, 58, 134-140.	3.7	20
99	Prognostic value of anti-CRP antibodies in lupus nephritis in long-term follow-up. <i>Arthritis Research and Therapy</i> , 2015, 17, 371.	3.5	20
100	Structural Modifications of Nile Red Carbon Monoxide Fluorescent Probe: Sensing Mechanism and Applications. <i>Journal of Organic Chemistry</i> , 2020, 85, 3473-3489.	3.2	20
101	Iron depletion induces hepatic secretion of biliary lipids and glutathione in rats. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 1469-1480.	2.4	19
102	The effect of light wavelength on in vitro bilirubin photodegradation and photoisomer production. <i>Pediatric Research</i> , 2019, 85, 865-873.	2.3	19
103	The Extent of Intracellular Accumulation of Bilirubin Determines Its Anti- or Pro-Oxidant Effect. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8101.	4.1	19
104	Screening methods for neonatal hyperbilirubinemia: benefits, limitations, requirements, and novel developments. <i>Pediatric Research</i> , 2021, 90, 272-276.	2.3	18
105	Comparison of simple extraction procedures in liquid chromatography-mass spectrometry based determination of serum 7 α -hydroxy-4-cholesten-3-one, a surrogate marker of bile acid synthesis. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1033-1034, 317-320.	2.3	17
106	NKX2-3 and IRGM variants are associated with disease susceptibility to IBD in Eastern European patients. <i>World Journal of Gastroenterology</i> , 2010, 16, 5233.	3.3	17
107	Effect of carvedilol on portal hypertension depends on the degree of endothelial activation and inflammatory changes. <i>Scandinavian Journal of Gastroenterology</i> , 2006, 41, 1454-1463.	1.5	16
108	Improved HPLC Analysis of Serum 7 α -Hydroxycholest-4-en-3-one, a Marker of Bile Acid Malabsorption. <i>Clinical Chemistry</i> , 2008, 54, 1087-1088.	3.2	16

#	ARTICLE	IF	CITATIONS
109	The CTLA4 variants may interact with the IL23R- and NOD2-conferred risk in development of Crohn's disease. <i>BMC Medical Genetics</i> , 2010, 11, 91.	2.1	16
110	Influence of VEGF Polymorphism on Progression of Autosomal Dominant Polycystic Kidney Disease. <i>Kidney and Blood Pressure Research</i> , 2008, 31, 398-403.	2.0	15
111	CYP7A1 promoter polymorphism $\hat{\sim}$ 203A>C affects bile salt synthesis rate in patients after ileal resection. <i>Journal of Lipid Research</i> , 2008, 49, 2664-2667.	4.2	15
112	Gene variants at FTO, 9p21, and 2q36.3 are age-independently associated with myocardial infarction in Czech men. <i>Clinica Chimica Acta</i> , 2016, 454, 119-123.	1.1	15
113	Bile Acids in the Treatment of Cardiometabolic Diseases. <i>Annals of Hepatology</i> , 2017, 16, S43-S52.	1.5	15
114	Liquid chromatographyâ€“drift tube ion mobilityâ€“mass spectrometry as a new challenging tool for the separation and characterization of silymarin flavonolignans. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 819-832.	3.7	15
115	The Role of Bilirubin and the Other â€œYellow Playersâ€•in Neurodegenerative Diseases. <i>Antioxidants</i> , 2020, 9, 900.	5.1	15
116	Photo-isomerization and oxidation of bilirubin in mammals is dependent on albumin binding. <i>Analytical Biochemistry</i> , 2015, 490, 34-45.	2.4	14
117	Modulation of bilirubin neurotoxicity by the Abcb1 transporter in the Ugt1-/-lethal mouse model of neonatal hyperbilirubinemia. <i>Human Molecular Genetics</i> , 2016, 26, ddw375.	2.9	13
118	Iron overload reduces synthesis and elimination of bile acids in rat liver. <i>Scientific Reports</i> , 2019, 9, 9780.	3.3	13
119	Structureâ€“Photoreactivity Relationship of 3-Hydroxyflavone-Based CO-Releasing Molecules. <i>Journal of Organic Chemistry</i> , 2022, 87, 4750-4763.	3.2	13
120	Association of <i>IL23R</i> p.381Gln and <i>ATG16L1</i> p.197Ala With Crohn Disease in the Czech Population. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2009, 49, 405-410.	1.8	12
121	Infliximab dependency is related to decreased surgical rates in adult Crohn's disease patients. <i>European Journal of Gastroenterology and Hepatology</i> , 2010, 22, 1196-1203.	1.6	12
122	Expression of Biliverdin Reductase A in Peripheral Blood Leukocytes Is Associated with Treatment Response in HCV-Infected Patients. <i>PLoS ONE</i> , 2013, 8, e57555.	2.5	12
123	Wavelength-Dependent Photochemistry and Biological Relevance of a Bilirubin Dipyrrinone Subunit. <i>Journal of Organic Chemistry</i> , 2020, 85, 13015-13028.	3.2	12
124	Potential of therapeutic bile acids in the treatment of neonatal Hyperbilirubinemia. <i>Scientific Reports</i> , 2021, 11, 11107.	3.3	12
125	The Role of Steroid Hormones in the Development of Intrahepatic Cholestasis of Pregnancy. <i>Physiological Research</i> , 2015, 64, S203-S209.	0.9	12
126	Rapid protocol for electroporation of <i>Clostridium perfringens</i> . <i>Journal of Microbiological Methods</i> , 2005, 62, 125-127.	1.6	11

#	ARTICLE	IF	CITATIONS
127	Cytoprotective and Antiproliferative Effects of HMG-CoA Reductase Inhibitors. <i>Current Enzyme Inhibition</i> , 2006, 2, 261-280.	0.4	11
128	Estrogen-induced cholestasis results in a dramatic increase of b-series gangliosides in the rat liver. <i>Biomedical Chromatography</i> , 2007, 21, 446-450.	1.7	11
129	Simultaneous genotyping of microsatellite variations in HMOX1 and UGT1A1 genes using multicolored capillary electrophoresis. <i>Clinical Biochemistry</i> , 2010, 43, 697-699.	1.9	11
130	No association of promoter variations of HMOX1 and UGT1A1 genes with liver injury in chronic hepatitis C. <i>Annals of Hepatology</i> , 2011, 10, 445-451.	1.5	11
131	Introduction of water into the heme distal side by Leu65 mutations of an oxygen sensor, YddV, generates verdoheme and carbon monoxide, exerting the heme oxygenase reaction. <i>Journal of Inorganic Biochemistry</i> , 2014, 140, 29-38.	3.5	11
132	The Effects of Bilirubin and Lumirubin on Metabolic and Oxidative Stress Markers. <i>Frontiers in Pharmacology</i> , 2021, 12, 567001.	3.5	11
133	Background Levels of Neomorphic 2-hydroxyglutarate Facilitate Proliferation of Primary Fibroblasts. <i>Physiological Research</i> , 2017, 66, 293-304.	0.9	11
134	Histochemical detection of GM1 ganglioside using cholera toxin-B subunit. Evaluation of critical factors optimal for in situ detection with special emphasis to acetone pre-extraction. <i>European Journal of Histochemistry</i> , 2010, 54, 23.	1.5	10
135	Improved Efficacy and Reduced Toxicity by Ultrasound-Guided Intrahepatic Injections of Helper-Dependent Adenoviral Vector in Gunn Rats. <i>Human Gene Therapy Methods</i> , 2013, 24, 321-327.	2.1	10
136	Protective effects of inhaled carbon monoxide in endotoxin-induced cholestasis is dependent on its kinetics. <i>Biochimie</i> , 2014, 97, 173-180.	2.6	10
137	Hyperbilirubinemia in Gunn Rats Is Associated with Decreased Inflammatory Response in LPS-Mediated Systemic Inflammation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2306.	4.1	10
138	A novel accurate LC-MS/MS method for quantitative determination of Z-lumirubin. <i>Scientific Reports</i> , 2020, 10, 4411.	3.3	10
139	Anti-angiogenic effects of the blue-green alga <i>Arthrospira platensis</i> on pancreatic cancer. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 2402-2415.	3.6	10
140	The prevalence of nonalcoholic liver steatosis in patients with type 2 diabetes mellitus in the Czech Republic. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2015, 159, 442-448.	0.6	10
141	Evaluation of a Flat Membrane Hepatocyte Bioreactor for Pharmacotoxicological Applications: Evidence that Inhibition of Spontaneously Produced Nitric Oxide Improves Cell Functionality. <i>ATLA Alternatives To Laboratory Animals</i> , 2004, 32, 25-35.	1.0	9
142	Two independent genetic factors responsible for the associations of the IBD5 locus with Crohn's disease in the Czech population. <i>Inflammatory Bowel Diseases</i> , 2011, 17, 1523-1529.	1.9	9
143	Relationship between serum bilirubin and uric acid to oxidative stress markers in Italian and Czech populations. <i>Journal of Applied Biomedicine</i> , 2013, 11, 209-221.	1.7	9
144	IL-1 receptor blockade alleviates endotoxin-mediated impairment of renal drug excretory functions in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, F388-F399.	2.7	9

#	ARTICLE	IF	CITATIONS
145	Serum Bilirubin Concentrations and the Prevalence of Gilbert Syndrome in Elite Athletes. <i>Sports Medicine - Open</i> , 2022, 8, .	3.1	9
146	Linkage between A(TA)7TAA and ?3279T>G mutations in UGT1A1 is not essential for pathogenesis of Gilbert syndrome. <i>Liver International</i> , 2006, 26, 1302-1303.	3.9	8
147	Valproic acid downregulates heme oxygenase-1 independently of Nrf2 by increasing ubiquitination and proteasomal degradation. <i>Biochemical and Biophysical Research Communications</i> , 2017, 485, 160-166.	2.1	8
148	Evaluating an Outpatient With an Elevated Bilirubin. <i>American Journal of Gastroenterology</i> , 2019, 114, 1185-1188.	0.4	8
149	SIRT3 and GCN5L regulation of NADP ⁺ - and NADPH-driven reactions of mitochondrial isocitrate dehydrogenase IDH2. <i>Scientific Reports</i> , 2020, 10, 8677.	3.3	8
150	Bilirubin as a Biomarker in Liver Disease. <i>Biomarkers in Disease</i> , 2017, , 281-304.	0.1	8
151	Serum Bilirubin in the Czech Populationâ€™ Relationship to the Risk of Myocardial Infarction in Males â€™. <i>Circulation Journal</i> , 2020, 84, 1779-1785.	1.6	8
152	ÄEfficacy and safety of ursodeoxycholic acid in patients with intrahepatic cholestasis of pregnancy. <i>Annals of Hepatology</i> , 2016, 15, 757-61.	1.5	8
153	Changes in GM1 ganglioside content and localization in cholestatic rat liver. <i>Glycoconjugate Journal</i> , 2007, 24, 231-241.	2.7	7
154	Protective effects of serum bilirubin on peripheral vascular disease. <i>Annals of Hepatology</i> , 2008, 7, 94-95.	1.5	7
155	Sustained Reduction of Hyperbilirubinemia in Gunn Rats After Adeno-Associated Virus-Mediated Gene Transfer of Bilirubin UDP-Glucuronosyltransferase Isozyme 1A1 to Skeletal Muscle. <i>Human Gene Therapy</i> , 2012, 23, 1082-1089.	2.7	7
156	<i>Clostridium difficile</i> in piglets in the Czech Republic. <i>Folia Microbiologica</i> , 2012, 57, 159-161.	2.3	7
157	Albumin administration protects against bilirubinâ€™induced auditory brainstem dysfunction in Gunn rat pups. <i>Liver International</i> , 2013, 33, 1557-1565.	3.9	7
158	The Effect of Heme Oxygenase on Ganglioside Redistribution Within Hepatocytes in Experimental Estrogen-Induced Cholestasis. <i>Physiological Research</i> , 2014, 63, 359-367.	0.9	7
159	No association of promoter variations of HMOX1 and UGT1A1 genes with liver injury in chronic hepatitis C. <i>Annals of Hepatology</i> , 2011, 10, 445-51.	1.5	7
160	Breath Alcohol Level and Plasma Amino Acids: A Comparison between Older and Younger Chronic Alcohol-Dependent Patients. <i>Alcohol and Alcoholism</i> , 2008, 43, 653-657.	1.6	6
161	Optimizing Exchange Transfusion for Severe Unconjugated Hyperbilirubinemia: Studies in the Gunn Rat. <i>PLoS ONE</i> , 2013, 8, e77179.	2.5	6
162	Diurnal variation in cholesterol 7Î±-hydroxylase activity is determined by the -203A>C polymorphism of the CYP7A1 gene. <i>Croatian Medical Journal</i> , 2016, 57, 111-117.	0.7	6

#	ARTICLE	IF	CITATIONS
163	Heme oxygenase is not involved in the anti-proliferative effects of statins on pancreatic cancer cells. <i>BMC Cancer</i> , 2016, 16, 309.	2.6	6
164	Effects of Substituents on Photophysical and CO-Photoreleasing Properties of 2,6-Substituted meso-Carboxy BODIPY Derivatives. <i>Chemistry</i> , 2021, 3, 238-255.	2.2	6
165	The Effects of Bilirubin and Lumirubin on the Differentiation of Human Pluripotent Cell-Derived Neural Stem Cells. <i>Antioxidants</i> , 2021, 10, 1532.	5.1	6
166	The Effect of Colesevelam Treatment on Bile Acid and Lipid Metabolism and Glycemic Control in Healthy Men. <i>Physiological Research</i> , 2016, 65, 995-1003.	0.9	6
167	Predictive role BLVRA mRNA expression in hepatocellular cancer. <i>Annals of Hepatology</i> , 2016, 15, 881-887.	1.5	6
168	Inhibition of Mitochondrial Metabolism Leads to Selective Eradication of Cells Adapted to Acidic Microenvironment. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10790.	4.1	6
169	Association of Serum Bilirubin and Functional Variants of Heme Oxygenase 1 and Bilirubin UDP-Glucuronosyl Transferase Genes in Czech Adult Patients with Non-Alcoholic Fatty Liver Disease. <i>Antioxidants</i> , 2021, 10, 2000.	5.1	6
170	Does hyperbilirubinemia protect from coronary heart disease?. <i>American Journal of Cardiology</i> , 2001, 88, 1218.	1.6	5
171	Intestinal metabolism of bilirubin in the pathogenesis of neonatal jaundice. <i>Journal of Pediatrics</i> , 2003, 143, 810.	1.8	5
172	Ticlopidine-Induced Cholestatic Inflammatory Hepatitis: New Insights into Pathogenetic Mechanisms of Drug-Related Hepatotoxicity. <i>European Journal of Inflammation</i> , 2006, 4, 55-67.	0.5	5
173	Statins and Pancreatic Cancer: Are All Statins the Same?. <i>American Journal of Gastroenterology</i> , 2009, 104, 525-525.	0.4	5
174	Statin use and serum bilirubin levels. <i>Atherosclerosis</i> , 2011, 219, 969.	0.8	5
175	Fish oil supplementation with various lipid emulsions suppresses in vitro cytokine release in home parenteral nutrition patients: a crossover study. <i>Nutrition Research</i> , 2019, 72, 70-79.	2.9	5
176	Enzymatic methods may underestimate the total serum bile acid concentration. <i>PLoS ONE</i> , 2020, 15, e0236372.	2.5	5
177	Inhibition of Lipid Accumulation in Skeletal Muscle and Liver Cells: A Protective Mechanism of Bilirubin Against Diabetes Mellitus Type 2. <i>Frontiers in Pharmacology</i> , 2020, 11, 636533.	3.5	5
178	The Effect of Mycotoxins and Silymarin on Liver Lipidome of Mice with Non-Alcoholic Fatty Liver Disease. <i>Biomolecules</i> , 2021, 11, 1723.	4.0	5
179	The risk of sporadic colorectal cancer development is not influenced by fat mass and obesity related gene polymorphism in Slavs. <i>European Journal of Internal Medicine</i> , 2012, 23, e175-e176.	2.2	4
180	Interaction between TNF α and tetrapyrroles may account for their anti-genotoxic effects – a novel mechanism for DNA-protection. <i>Journal of Porphyrins and Phthalocyanines</i> , 2013, 17, 1157-1166.	0.8	4

#	ARTICLE	IF	CITATIONS
181	Protective Effects of D-Penicillamine on Catecholamine-Induced Myocardial Injury. <i>Oxidative Medicine and Cellular Longevity</i> , 2016, 2016, 1-10.	4.0	4
182	Biochemical Background in Mitochondria Affects 2HG Production by IDH2 and ADHFE1 in Breast Carcinoma. <i>Cancers</i> , 2021, 13, 1709.	3.7	4
183	Comparison of Transcriptomic Profiles of MiaPaCa-2 Pancreatic Cancer Cells Treated with Different Statins. <i>Molecules</i> , 2021, 26, 3528.	3.8	4
184	The Protective Role of the Heme Catabolic Pathway in Hepatic Disorders. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 734-752.	5.4	4
185	Changes in Liver Ganglioside Metabolism in Obstructive Cholestasis - the Role of Oxidative Stress. <i>Folia Biologica</i> , 2016, 62, 148-59.	0.6	4
186	UREA SYNTHESIS AND CYCLOSPORIN A BIOTRANSFORMATION IN A LABORATORY SCALE HEPATOCYTE BIOREACTOR MODEL. <i>Pharmacological Research</i> , 2002, 46, 511-517.	7.1	3
187	The association of elevated serum bilirubin levels and coronary heart disease. <i>Journal of Hepatology</i> , 2003, 39, 882.	3.7	3
188	Bilirubin as a Biomarker in Liver Disease. <i>Exposure and Health</i> , 2016, , 1-25.	4.9	3
189	High resolution mass spectrometry based method applicable for a wide range of 3-hydroxy-3-methyl-glutaryl-coenzyme A reductase inhibitors in blood serum including intermediates and products of the cholesterol biosynthetic pathway. <i>Journal of Chromatography A</i> , 2017, 1489, 86-94.	3.7	3
190	Serum Bilirubin Levels and Promoter Variations in <i>HMOX1</i> and <i>UGT1A1</i> Genes in Patients with Fabry Disease. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-6.	4.0	3
191	Heme Oxygenase-1 May Affect Cell Signalling via Modulation of Ganglioside Composition. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-12.	4.0	3
192	Antiproliferative and Cytotoxic Activities of Fluoresceinâ€”A Diagnostic Angiography Dye. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1504.	4.1	3
193	Photochemistry of (<i>Z</i>)-Isovinylneoxanthobilirubic Acid Methyl Ester, a Bilirubin Dipyrrinone Subunit: Femtosecond Transient Absorption and Stimulated Raman Emission Spectroscopy. <i>Journal of Organic Chemistry</i> , 2022, 87, 3089-3103.	3.2	3
194	Protective effects of serum bilirubin on peripheral vascular disease. <i>Annals of Hepatology</i> , 2008, 7, 94-5.	1.5	3
195	Hypoxia Induces Saturated Fatty Acids Accumulation and Reduces Unsaturated Fatty Acids Independently of Reverse Tricarboxylic Acid Cycle in L6 Myotubes. <i>Frontiers in Endocrinology</i> , 2022, 13, 663625.	3.5	3
196	Gilbert syndrome and ischemic heart disease: a protective effect of elevated bilirubin levels. <i>Journal of Hepatology</i> , 1998, 28, 135.	3.7	2
197	Bilirubin and colorectal cancer. <i>Alimentary Pharmacology and Therapeutics</i> , 2006, 24, 1503-1504.	3.7	2
198	P214 AMELIORATION OF DSS-INDUCED COLITIS IN HYPERBILIRUBINEMIC GUNN RATS. <i>Journal of Crohn S and Colitis Supplements</i> , 2008, 2, 68.	0.0	2

#	ARTICLE	IF	CITATIONS
199	P223 - Crohn's disease is associated with low serum bilirubin levels. <i>Journal of Crohn's and Colitis</i> , 2009, 3, S98-S99.	1.3	2
200	D. R. Bach et al.: Elevated Bilirubin in Acute and Transient Psychotic Disorder. <i>Pharmacopsychiatry</i> 2010; 43: 12-16. <i>Pharmacopsychiatry</i> , 2010, 43, 285-285.	3.3	2
201	Letter by Vitek et al Regarding Article, "Niacin Inhibits Vascular Inflammation via the Induction of Heme Oxygenase-1". <i>Circulation</i> , 2012, 126, e99.	1.6	2
202	Functional variants of <i>eNOS</i> and <i>iNOS</i> genes have no relationship to the portal hypertension in patients with liver cirrhosis. <i>Scandinavian Journal of Gastroenterology</i> , 2013, 48, 592-601.	1.5	2
203	Prevalence of Gilbert syndrome and UGT1A1*28 status in the Czech population, and their relationship to ischemic heart disease. <i>Atherosclerosis</i> , 2014, 235, e285-e286.	0.8	2
204	Etiology of fasting hyperbilirubinemia: Genetic factors versus enhanced enterohepatic cycling of bilirubin. <i>Gastroenterology</i> , 1999, 117, 1255.	1.3	1
205	Indel in the <i>FIC1/ATP8B1</i> gene? a novel rare type of mutation associated with benign recurrent intrahepatic cholestasis. <i>Hepatology Research</i> , 2004, 30, 1-3.	3.4	1
206	Is there really a link between hyperbilirubinemia and schizophrenia?. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009, 33, 914.	4.8	1
207	1185 Seasonal Nature of Neonatal Jaundice. <i>Pediatric Research</i> , 2010, 68, 586-586.	2.3	1
208	Mitochondrial 2HG production as a function of IDH2 and HIF1 α in breast cancer cells. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2018, 1859, e105.	1.0	1
209	Elite Athletes Have Mildly Elevated Serum Bilirubin Concentrations. <i>Medicine and Science in Sports and Exercise</i> , 2020, 52, 35-35.	0.4	1
210	Induction of fecal cholesterol excretion is not effective for the treatment of hyperbilirubinemia in Gunn rats. <i>Pediatric Research</i> , 2021, 89, 510-517.	2.3	1
211	Physico-chemical characterization of bilirubin-10-sulfonate and comparison of its acid-base behavior with unconjugated bilirubin. <i>Scientific Reports</i> , 2021, 11, 12896.	3.3	1
212	May Circulating Steroids Reveal a Predisposition to Intrahepatic Cholestasis of Pregnancy in Non-Pregnant Women?. <i>Physiological Research</i> , 2018, 67, S499-S510.	0.9	1
213	<i>Clostridium perfringens</i> isolated from neonatal stools reduces a variety of bile pigments to unconjugated and to conjugated urobilinoids. <i>Journal of Hepatology</i> , 2000, 32, 212.	3.7	0
214	592 Cholestatic hepatitis " manifestation of ticlopidin induced liver injury - new insights into mechanism of liver damage. <i>Journal of Hepatology</i> , 2004, 40, 173.	3.7	0
215	593 The dynamic changes in cytokine profiles of patients with ticlopidin induced cholestatic hepatitis and their correlation with biochemical markers of liver damage. <i>Journal of Hepatology</i> , 2004, 40, 174.	3.7	0
216	[98] EFFECTOR/MEMORY SUBSETS AND FUNCTIONALITY OF CD4/CD8+ T-CELLS DURING POTENT ANTIVIRAL THERAPY IN CHRONIC HEPATITIS B (CHB). <i>Journal of Hepatology</i> , 2007, 46, S43-S44.	3.7	0

#	ARTICLE	IF	CITATIONS
217	888 IMPROVEMENT OF LIVER DYSFUNCTION AFTER TREATMENT WITH N-ACETYL CYSTEINE IN PATIENT WITH ERYTHROPOIETIC PROTOPORHYRIA. <i>Journal of Hepatology</i> , 2008, 48, S333.	3.7	0
218	269 LIPID PEROXIDATION IN OBSTRUCTIVE CHOLESTASIS: ROLE OF BILE ACIDS AND BILIRUBIN. <i>Journal of Hepatology</i> , 2009, 50, S107.	3.7	0
219	677 OPPOSITE EFFECTS OF BILE ACIDS AND ESTROGENS ON HEME OXYGENASE ACTIVITY: IMPLICATIONS FOR ETHINYLESTRADIOL-INDUCED CHOLESTASIS. <i>Journal of Hepatology</i> , 2009, 50, S248-S249.	3.7	0
220	âˆ™203A/C POLYMORPHISM OF CHOLESTEROL 7ALPHA-HYDROXYLASE (CYP7A1) GENE AND DIURNAL VARIATION IN CYP7A1 ACTIVITY. <i>Atherosclerosis</i> , 2009, 207, e9.	0.8	0
221	586 Differential Regional Dynamics of Unconjugated Bilirubin Entry and Clearance in the Brain of Gunn Rats. <i>Pediatric Research</i> , 2010, 68, 300-301.	2.3	0
222	MS445 âˆ™203A/C POLYMORPHISM OF CHOLESTEROL 7Î±-HYDROXYLASE (CYP7A1) GENE AFFECTS CYP7A1 ACTIVITY AFTER SHORT-TERM TREATMENT WITH CHOLESTYRAMINE. <i>Atherosclerosis Supplements</i> , 2010, 11, 199-200.	1.2	0
223	506 GENETIC POLYMORPHISMS OF ENOS AND INOS HAVE NO RELATION TO THE SEVERITY OF PORTAL HYPERTENSION IN CONTRAST TO THE INFLAMMATORY PARAMETERS. <i>Journal of Hepatology</i> , 2010, 52, S204.	3.7	0
224	Total Antioxidative Capacity in Serum Correlates With the Phenotypic Manifestation of Wilson Disease. <i>Gastroenterology</i> , 2011, 140, S-939.	1.3	0
225	700 PROTECTIVE EFFECT OF HEME OXYGENASE AND GANGLIOSIDES IN OBSTRUCTIVE CHOLESTASIS. <i>Journal of Hepatology</i> , 2011, 54, S281.	3.7	0
226	Bilirubin Increases Replicative Lifespan of Primary Fibroblasts through Modulation of Mitochondrial ROS Production. <i>Free Radical Biology and Medicine</i> , 2012, 53, S131.	2.9	0
227	Influence of reductive carboxylation on redox state of cancer cells. <i>Free Radical Biology and Medicine</i> , 2012, 53, S123-S124.	2.9	0
228	Role of parietal (gallbladder musocal) factors in the formation of â€”blackâ€” pigment gallstones. A response to A. Cariati and E. Piromalli's letter to the editor. <i>Clinics and Research in Hepatology and Gastroenterology</i> , 2012, 36, e52-e53.	1.5	0
229	Serum bilirubin levels and the risk of Crohn's disease. <i>Journal of Crohn's and Colitis</i> , 2012, 6, 732.	1.3	0
230	P496 OSTEOPONTIN IS A NEW NON-INVASIVE PARAMETER OF PORTAL HYPERTENSION IN PATIENTS WITH LIVER CIRRHOSIS. <i>Journal of Hepatology</i> , 2014, 60, S234.	3.7	0
231	Two cases of spuriously elevated cerebrospinal glucose concentration. <i>Annals of Clinical Biochemistry</i> , 2015, 52, 161-164.	1.6	0
232	A Non-Invasive Lipidomic Test Accurately Discriminates Non-Alcoholic Steatohepatitis from Steatosis: A Blind Validation Study. <i>Journal of Hepatology</i> , 2016, 64, S478.	3.7	0
233	Mitochondrial Deacetylase SIRT3 Regulates IDH2 Function in Breast Cancer Cells. <i>Free Radical Biology and Medicine</i> , 2017, 112, 102.	2.9	0
234	Modification Of Bile Acid Homeostasis By Iron Overload In Rats. <i>Atherosclerosis</i> , 2019, 287, e232.	0.8	0

#	ARTICLE	IF	CITATIONS
235	Clinically silent LINE 1 insertion in the PNPLA3 gene may impede genotyping of the p.I148M variant. <i>Scientific Reports</i> , 2021, 11, 20924.	3.3	0
236	Functional variants of metalloproteinase MMP 1 and MMP 7 genes have no relationship to the severity of portal hypertension in patients with cirrhosis. <i>Gastroenterologie A Hepatologie</i> , 2015, 69, 116-120.	0.1	0
237	Czech Society of Hepatology guidelines for diagnosis and treatment of acute porphyrias. <i>Gastroenterologie A Hepatologie</i> , 2017, 71, 101-104.	0.1	0
238	Bilirubin: from an unimportant waste product to important myocardial infarction predictor. <i>Vnitřní Lekarství</i> , 2018, 64, 1148-1152.	0.2	0
239	(Doping, dietary supplements, and cardiovascular system). <i>Cor Et Vasa</i> , 2020, 62, 419-422.	0.1	0
240	A comprehensive interdisciplinary view at the Return to Sport after COVID-19 infection. <i>Vnitřní Lekarství</i> , 2021, 67, 14-21.	0.2	0