Libor Vitek

List of Publications by Year
in descending order

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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	Antiproliferative and Cytotoxic Activities of Fluoresceinâ€"A Diagnostic Angiography Dye. International Journal of Molecular Sciences, 2022, 23, 1504.	4.1	3
2	Effect of Omegaâ€3 Polyunsaturated Fatty Acids on Lipid Metabolism in Patients With Metabolic Syndrome and NAFLD. Hepatology Communications, 2022, 6, 1336-1349.	4.3	22
3	Photochemistry of (Z)-Isovinylneoxanthobilirubic Acid Methyl Ester, a Bilirubin Dipyrrinone Subunit: Femtosecond Transient Absorption and Stimulated Raman Emission Spectroscopy. Journal of Organic Chemistry, 2022, 87, 3089-3103.	3.2	3
4	Structureâ€"Photoreactivity Relationship of 3-Hydroxyflavone-Based CO-Releasing Molecules. Journal of Organic Chemistry, 2022, 87, 4750-4763.	3.2	13
5	Hypoxia Induces Saturated Fatty Acids Accumulation and Reduces Unsaturated Fatty Acids Independently of Reverse Tricarboxylic Acid Cycle in L6 Myotubes. Frontiers in Endocrinology, 2022, 13, 663625.	3.5	3
6	Metabolic subtypes of patients with NAFLD exhibit distinctive cardiovascular risk profiles. Hepatology, 2022, 76, 1121-1134.	7.3	31
7	Serum Bilirubin Concentrations and the Prevalence of Gilbert Syndrome in Elite Athletes. Sports Medicine - Open, 2022, 8, .	3.1	9
8	Induction of fecal cholesterol excretion is not effective for the treatment of hyperbilirubinemia in Gunn rats. Pediatric Research, 2021, 89, 510-517.	2.3	1
9	Effects of Substituents on Photophysical and CO-Photoreleasing Properties of 2,6-Substituted meso-Carboxy BODIPY Derivatives. Chemistry, 2021, 3, 238-255.	2.2	6
10	The Effects of Bilirubin and Lumirubin on Metabolic and Oxidative Stress Markers. Frontiers in Pharmacology, 2021, 12, 567001.	3.5	11
11	Biochemical Background in Mitochondria Affects 2HG Production by IDH2 and ADHFE1 in Breast Carcinoma. Cancers, 2021, 13, 1709.	3.7	4
12	Screening methods for neonatal hyperbilirubinemia: benefits, limitations, requirements, and novel developments. Pediatric Research, 2021, 90, 272-276.	2.3	18
13	Potential of therapeutic bile acids in the treatment of neonatal Hyperbilirubinemia. Scientific Reports, 2021, 11, 11107.	3.3	12
14	Diagnostic methods for neonatal hyperbilirubinemia: benefits, limitations, requirements, and novel developments. Pediatric Research, 2021, 90, 277-283.	2.3	22
15	Bilirubin: The yellow hormone?. Journal of Hepatology, 2021, 75, 1485-1490.	3.7	47
16	Physico-chemical characterization of bilirubin-10-sulfonate and comparison of its acidâ€"base behavior with unconjugated bilirubin. Scientific Reports, 2021, 11, 12896.	3.3	1
17	Comparison of Transcriptomic Profiles of MiaPaCa-2 Pancreatic Cancer Cells Treated with Different Statins. Molecules, 2021, 26, 3528.	3.8	4
18	The Effects of Bilirubin and Lumirubin on the Differentiation of Human Pluripotent Cell-Derived Neural Stem Cells. Antioxidants, 2021, 10, 1532.	5.1	6

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19	The Protective Role of the Heme Catabolic Pathway in Hepatic Disorders. Antioxidants and Redox Signaling, 2021, 35, 734-752.	5.4	4
20	Inhibition of Mitochondrial Metabolism Leads to Selective Eradication of Cells Adapted to Acidic Microenvironment. International Journal of Molecular Sciences, 2021, 22, 10790.	4.1	6
21	Clinically silent LINE 1 insertion in the PNPLA3 gene may impede genotyping of the p.I148M variant. Scientific Reports, 2021, 11, 20924.	3.3	0
22	The Effect of Mycotoxins and Silymarin on Liver Lipidome of Mice with Non-Alcoholic Fatty Liver Disease. Biomolecules, 2021, 11, 1723.	4.0	5
23	A comprehensive interdisciplinary view at the Return to Sport after COVID-19 infection. Vnitrni Lekarstvi, 2021, 67, 14-21.	0.2	0
24	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. Antioxidants, 2021, 10, 2000.	5.1	6
25	Pravastatin for earlyâ€onset preâ€eclampsia: a randomised, blinded, placeboâ€controlled trial. BJOG: an International Journal of Obstetrics and Gynaecology, 2020, 127, 478-488.	2.3	85
26	Liquid chromatographyâ€“drift tube ion mobilityâ€“mass spectrometry as a new challenging tool for the separation and characterization of silymarin flavonolignans. Analytical and Bioanalytical Chemistry, 2020, 412, 819-832.	3.7	15
27	Elite Athletes Have Mildly Elevated Serum Bilirubin Concentrations. Medicine and Science in Sports and Exercise, 2020, 52, 35-35.	0.4	1
28	The Role of Bilirubin and the Other â€œYellow Playersâ€•in Neurodegenerative Diseases. Antioxidants, 2020, 9, 900.	5.1	15
29	Wavelength-Dependent Photochemistry and Biological Relevance of a Bilirubin Dipyrrinone Subunit. Journal of Organic Chemistry, 2020, 85, 13015-13028.	3.2	12
30	Bilirubin, Intestinal Integrity, the Microbiome, and Inflammation. New England Journal of Medicine, 2020, 383, 684-686.	27.0	31
31	Enzymatic methods may underestimate the total serum bile acid concentration. PLoS ONE, 2020, 15, e0236372.	2.5	5
32	Cyanineâ€Flavonol Hybrids for Nearâ€Infrared Lightâ€Activated Delivery of Carbon Monoxide. Chemistry - A European Journal, 2020, 26, 13184-13190.	3.3	37
33	The Extent of Intracellular Accumulation of Bilirubin Determines Its Anti- or Pro-Oxidant Effect. International Journal of Molecular Sciences, 2020, 21, 8101.	4.1	19
34	SIRT3 and GCN5L regulation of NADP+- and NADPH-driven reactions of mitochondrial isocitrate dehydrogenase IDH2. Scientific Reports, 2020, 10, 8677.	3.3	8
35	A novel accurate LC-MS/MS method for quantitative determination of Z-lumirubin. Scientific Reports, 2020, 10, 4411.	3.3	10
36	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

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37	Antiâ€angiogenic effects of the blueâ€green alga Arthrospira platensis on pancreatic cancer. Journal of Cellular and Molecular Medicine, 2020, 24, 2402-2415.	3.6	10
38	Osteopontin â€“ A potential biomarker of advanced liver disease. Annals of Hepatology, 2020, 19, 344-352.	1.5	43
39	Structural Modifications of Nile Red Carbon Monoxide Fluorescent Probe: Sensing Mechanism and Applications. Journal of Organic Chemistry, 2020, 85, 3473-3489.	3.2	20
40	Bilirubin as a signaling molecule. Medicinal Research Reviews, 2020, 40, 1335-1351.	10.5	83
41	Inhibition of Lipid Accumulation in Skeletal Muscle and Liver Cells: A Protective Mechanism of Bilirubin Against Diabetes Mellitus Type 2. Frontiers in Pharmacology, 2020, 11, 636533.	3.5	5
42	Serum Bilirubin in the Czech Populationã€€â€• Relationship to the Risk of Myocardial Infarction in Males â€•. Circulation Journal, 2020, 84, 1779-1785.	1.6	8
43	(Doping, dietary supplements, and cardiovascular system). Cor Et Vasa, 2020, 62, 419-422.	0.1	0
44	Poor chemical and microbiological quality of the commercial milk thistle-based dietary supplements may account for their reported unsatisfactory and non-reproducible clinical outcomes. Scientific Reports, 2019, 9, 11118.	3.3	39
45	Complex Evaluation of Antioxidant Capacity of Milk Thistle Dietary Supplements. Antioxidants, 2019, 8, 317.	5.1	34
46	Bilirubin as a predictor of diseases of civilization. Is it time to establish decision limits for serum bilirubin concentrations?. Archives of Biochemistry and Biophysics, 2019, 672, 108062.	3.0	25
47	Iron overload reduces synthesis and elimination of bile acids in rat liver. Scientific Reports, 2019, 9, 9780.	3.3	13
48	Modification Of Bile Acid Homeostasis By Iron Overload In Rats. Atherosclerosis, 2019, 287, e232.	0.8	0
49	The effect of light wavelength on in vitro bilirubin photodegradation and photoisomer production. Pediatric Research, 2019, 85, 865-873.	2.3	19
50	Hyperbilirubinemia in Gunn Rats Is Associated with Decreased Inflammatory Response in LPS-Mediated Systemic Inflammation. International Journal of Molecular Sciences, 2019, 20, 2306.	4.1	10
51	Association between plasma bilirubin and mortality. Annals of Hepatology, 2019, 18, 379-385.	1.5	23
52	Isolated Silymarin Flavonoids Increase Systemic and Hepatic Bilirubin Concentrations and Lower Lipoperoxidation in Mice. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-12.	4.0	21
53	Fish oil supplementation with various lipid emulsions suppresses in vitro cytokine release in home parenteral nutrition patients: a crossover study. Nutrition Research, 2019, 72, 70-79.	2.9	5
54	Evaluating an Outpatient With an Elevated Bilirubin. American Journal of Gastroenterology, 2019, 114, 1185-1188.	0.4	8

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55	Induction of Mild Hyperbilirubinemia: Hype or Real Therapeutic Opportunity?. Clinical Pharmacology and Therapeutics, 2019, 106, 568-575.	4.7	53
56	Mitochondrial 2HG production as a function of IDH2 and HOT in breast cancer cells. Biochimica Et Biophysica Acta - Bioenergetics, 2018, 1859, e105.	1.0	1
57	Heme Oxygenase-1 May Affect Cell Signalling via Modulation of Ganglioside Composition. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-12.	4.0	3
58	Metabolomicâ€based noninvasive serum test to diagnose nonalcoholic steatohepatitis: Results from discovery and validation cohorts. Hepatology Communications, 2018, 2, 807-820.	4.3	117
59	Visible to NIR Light Photoactivation of Hydrogen Sulfide for Biological Targeting. Organic Letters, 2018, 20, 4907-4911.	4.6	50
60	Chlorophyll-Mediated Changes in the Redox Status of Pancreatic Cancer Cells Are Associated with Its Anticancer Effects. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-11.	4.0	49
61	Neuro-inflammatory effects of photodegradative products of bilirubin. Scientific Reports, 2018, 8, 7444.	3.3	27
62	May Circulating Steroids Reveal a Predisposition to Intrahepatic Cholestasis of Pregnancy in Non-Pregnant Women?. Physiological Research, 2018, 67, S499-S510.	0.9	1
63	Bilirubin: from an unimportant waste product to important myocardial infarction predictor. Vnitrni Lekarstvi, 2018, 64, 1148-1152.	0.2	0
64	Variability in statin-induced changes in gene expression profiles of pancreatic cancer. Scientific Reports, 2017, 7, 44219.	3.3	33
65	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. Journal of Chromatography A, 2017, 1489, 86-94.	3.7	3
66	Valproic acid downregulates heme oxygenase-1 independently of Nrf2 by increasing ubiquitination and proteasomal degradation. Biochemical and Biophysical Research Communications, 2017, 485, 160-166.	2.1	8
67	The molecular basis of jaundice: An old symptom revisited. Liver International, 2017, 37, 1094-1102.	3.9	25
68	Iron depletion induces hepatic secretion of biliary lipids and glutathione in rats. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2017, 1862, 1469-1480.	2.4	19
69	Mitochondrial Deacetylase SIRT3 Regulates IDH2 Function in Breast Cancer Cells. Free Radical Biology and Medicine, 2017, 112, 102.	2.9	0
70	Inflammatory signature of cerebellar neurodegeneration during neonatal hyperbilirubinemia in Ugt1 -/- mouse model. Journal of Neuroinflammation, 2017, 14, 64.	7.2	34
71	Bilirubin-induced ER stress contributes to the inflammatory response and apoptosis in neuronal cells. Archives of Toxicology, 2017, 91, 1847-1858.	4.2	29
72	Serum Bilirubin Levels and Promoter Variations in HMOX1 and UGT1A1 Genes in Patients with Fabry Disease. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-6.	4.0	3

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73	Isoprenoids responsible for protein prenylation modulate the biological effects of statins on pancreatic cancer cells. Lipids in Health and Disease, 2017, 16, 250.	3.0	27
74	Bile Acids in the Treatment of Cardiometabolic Diseases. Annals of Hepatology, 2017, 16, S43-S52.	1.5	15
75	Bilirubin as a Biomarker in Liver Disease. Biomarkers in Disease, 2017, , 281-304.	0.1	8
76	Background Levels of Neomorphic 2-hydroxyglutarate Facilitate Proliferation of Primary Fibroblasts. Physiological Research, 2017, 66, 293-304.	0.9	11
77	Bilirubin and Atherosclerotic Diseases. Physiological Research, 2017, 66, S11-S20.	0.9	55
78	Czech Society of Hepatology guidelines for diagnosis and treatment of acute porphyrias. Gastroenterologie A Hepatologie, 2017, 71, 101-104.	0.1	0
79	Diurnal variation in cholesterol 7Î±-hydroxylase activity is determined by the -203A>C polymorphism of the CYP7A1 gene. Croatian Medical Journal, 2016, 57, 111-117.	0.7	6
80	Protective Effects of D-Penicillamine on Catecholamine-Induced Myocardial Injury. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	4.0	4
81	Hyperbilirubinemia Protects against Aging-Associated Inflammation and Metabolic Deterioration. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-10.	4.0	51
82	A Comprehensive Evaluation of Steroid Metabolism in Women with Intrahepatic Cholestasis of Pregnancy. PLoS ONE, 2016, 11, e0159203.	2.5	24
83	Modulation of bilirubin neurotoxicity by the Abcb1 transporter in theUgt1-/-lethal mouse model of neonatal hyperbilirubinemia. Human Molecular Genetics, 2016, 26, ddw375.	2.9	13
84	Heme oxygenase is not involved in the anti-proliferative effects of statins on pancreatic cancer cells. BMC Cancer, 2016, 16, 309.	2.6	6
85	A Non-Invasive Lipidomic Test Accurately Discriminates Non-Alcoholic Steatohepatitis from Steatosis: A Blind Validation Study. Journal of Hepatology, 2016, 64, S478.	3.7	0
86	Bilirubin as a Biomarker in Liver Disease. Exposure and Health, 2016, , 1-25.	4.9	3
87	A Novel Perspective on the Biology of Bilirubin in Health and Disease. Trends in Molecular Medicine, 2016, 22, 758-768.	6.7	147
88	Endocrine effects of duodenalâ€“jejunal exclusion in obese patients with type 2 diabetes mellitus. Journal of Endocrinology, 2016, 231, 11-22.	2.6	36
89	Comparison of simple extraction procedures in liquid chromatographyâ¿¿mass spectrometry based determination of serum 7Î±-hydroxy-4-cholesten-3-one, a surrogate marker of bile acid synthesis. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1033-1034, 317-320.	2.3	17
90	The role of bile acids in metabolic regulation. Journal of Endocrinology, 2016, 228, R85-R96.	2.6	104

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91	Gene variants at FTO, 9p21, and 2q36.3 are age-independently associated with myocardial infarction in Czech men. Clinica Chimica Acta, 2016, 454, 119-123.	1.1	15
92	Transition-Metal-Free CO-Releasing BODIPY Derivatives Activatable by Visible to NIR Light as Promising Bioactive Molecules. Journal of the American Chemical Society, 2016, 138, 126-133.	13.7	249
93	The Biological Effects of Bilirubin Photoisomers. PLoS ONE, 2016, 11, e0148126.	2.5	27
94	The Effect of Colesevelam Treatment on Bile Acid and Lipid Metabolism and Glycemic Control in Healthy Men. Physiological Research, 2016, 65, 995-1003.	0.9	6
95	Osteopontin: A non-invasive parameter of portal hypertension and prognostic marker of cirrhosis. World Journal of Gastroenterology, 2016, 22, 3441-3450.	3.3	25
96	Predictive role BLVRA mRNA expression in hepatocellular cancer. Annals of Hepatology, 2016, 15, 881-887.	1.5	6
97	ÂEfficacy and safety of ursodeoxycholic acid in patients with intrahepatic cholestasis of pregnancy. Annals of Hepatology, 2016, 15, 757-61.	1.5	8
98	Changes in Liver Ganglioside Metabolism in Obstructive Cholestasis - the Role of Oxidative Stress. Folia Biologica, 2016, 62, 148-59.	0.6	4
99	Protective effect of heme oxygenase induction in ethinylestradiolâ€induced cholestasis. Journal of Cellular and Molecular Medicine, 2015, 19, 924-933.	3.6	23
100	Albumin administration prevents neurological damage and death in a mouse model of severe neonatal hyperbilirubinemia. Scientific Reports, 2015, 5, 16203.	3.3	22
101	Bile Acid Malabsorption in Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2015, 21, 476-483.	1.9	69
102	Carbon monoxide inhibits sprouting angiogenesis and vascular endothelial growth factor receptor-2 phosphorylation. Thrombosis and Haemostasis, 2015, 113, 329-337.	3.4	47
103	Fetal complications due to intrahepatic cholestasis of pregnancy. Journal of Perinatal Medicine, 2015, 43, 133-139.	1.4	29
104	Prognostic value of anti-CRP antibodies in lupus nephritis in long-term follow-up. Arthritis Research and Therapy, 2015, 17, 371.	3.5	20
105	IL-1 receptor blockade alleviates endotoxin-mediated impairment of renal drug excretory functions in rats. American Journal of Physiology - Renal Physiology, 2015, 308, F388-F399.	2.7	9
106	Looking to the horizon: the role of bilirubin in the development and prevention of age-related chronic diseases. Clinical Science, 2015, 129, 1-25.	4.3	126
107	Photo-isomerization and oxidation of bilirubin in mammals is dependent on albumin binding. Analytical Biochemistry, 2015, 490, 34-45.	2.4	14
108	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

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109	Two cases of spuriously elevated cerebrospinal glucose concentration. Annals of Clinical Biochemistry, 2015, 52, 161-164.	1.6	0
110	The Role of Steroid Hormones in the Development of Intrahepatic Cholestasis of Pregnancy. Physiological Research, 2015, 64, S203-S209.	0.9	12
111	The prevalence of nonalcoholic liver steatosis in patients with type 2 diabetes mellitus in the Czech Republic. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2015, 159, 442-448.	0.6	10
112	Functional variants of metalloproteinase MMP 1 and MMP 7 genes have no relationship to the severity of portal hypertension in patients with cirrhosis. Gastroenterologie A Hepatologie, 2015, 69, 116-120.	0.1	0
113	Anti-cancer effects of blue-green alga Spirulina platensis, a natural source of bilirubin-like tetrapyrrolic compounds. Annals of Hepatology, 2014, 13, 273-283.	1.5	118
114	The Relationship Between Serum Bilirubin and Crohnâ€™s Disease. Inflammatory Bowel Diseases, 2014, 20, 481-487.	1.9	44
115	Antiproliferative effects of carbon monoxide on pancreatic cancer. Digestive and Liver Disease, 2014, 46, 369-375.	0.9	82
116	Life-Long Correction of Hyperbilirubinemia with a Neonatal Liver-Specific AAV-Mediated Gene Transfer in a Lethal Mouse Model of Criglerâ€“Najjar Syndrome. Human Gene Therapy, 2014, 25, 844-855.	2.7	74
117	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. Journal of Inorganic Biochemistry, 2014, 140, 29-38.	3.5	11
118	P496 OSTEOPONTIN IS A NEW NON-INVASIVE PARAMETER OF PORTAL HYPERTENSION IN PATIENTS WITH LIVER CIRRHOSIS. Journal of Hepatology, 2014, 60, S234.	3.7	0
119	Protective effects of inhaled carbon monoxide in endotoxin-induced cholestasis is dependent on its kinetics. Biochimie, 2014, 97, 173-180.	2.6	10
120	Prevalence of Gilbert syndrome and UGT1A1*28 status in the Czech population, and their relationship to ischemic heart disease. Atherosclerosis, 2014, 235, e285-e286.	0.8	2
121	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
122	The Effect of Heme Oxygenase on Ganglioside Redistribution Within Hepatocytes in Experimental Estrogen-Induced Cholestasis. Physiological Research, 2014, 63, 359-367.	0.9	7
123	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
124	Beyond plasma bilirubin: The effects of phototherapy and albumin on brain bilirubin levels in Gunn rats. Journal of Hepatology, 2013, 58, 134-140.	3.7	20
125	Relationship between serum bilirubin and uric acid to oxidative stress markers in Italian and Czech populations. Journal of Applied Biomedicine, 2013, 11, 209-221.	1.7	9
126	Improved Efficacy and Reduced Toxicity by Ultrasound-Guided Intrahepatic Injections of Helper-Dependent Adenoviral Vector in Gunn Rats. Human Gene Therapy Methods, 2013, 24, 321-327.	2.1	10

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127	The effect of simvastatin on lipid droplets accumulation in human embryonic kidney cells and pancreatic cancer cells. Lipids in Health and Disease, 2013, 12, 126.	3.0	26
128	Spirulina platensis and phycocyanobilin activate atheroprotective heme oxygenase-1: a possible implication for atherogenesis. Food and Function, 2013, 4, 1586.	4.6	62
129	Interplay Between Heme Oxygenase-1 and miR-378 Affects Non-Small Cell Lung Carcinoma Growth, Vascularization, and Metastasis. Antioxidants and Redox Signaling, 2013, 19, 644-660.	5.4	131
130	Anti-Genotoxic Potential of Bilirubin In Vivo: Damage to DNA in Hyperbilirubinemic Human and Animal Models. Cancer Prevention Research, 2013, 6, 1056-1063.	1.5	24
131	Cholestatic effect of epigallocatechin gallate in rats is mediated via decreased expression of Mrp2. Toxicology, 2013, 303, 9-15.	4.2	27
132	Protection from age-related increase in lipid biomarkers and inflammation contributes to cardiovascular protection in Gilbert's syndrome. Clinical Science, 2013, 125, 257-264.	4.3	78
133	Expression of Biliverdin Reductase A in Peripheral Blood Leukocytes Is Associated with Treatment Response in HCV-Infected Patients. PLoS ONE, 2013, 8, e57555.	2.5	12
134	Functional variants ofeNOSandiNOSgenes have no relationship to the portal hypertension in patients with liver cirrhosis. Scandinavian Journal of Gastroenterology, 2013, 48, 592-601.	1.5	2
135	Laparoscopic sleeve gastrectomy differentially affects serum concentrations of FGFâ€19 and FGFâ€21 in morbidly obese subjects. Obesity, 2013, 21, 1335-1342.	3.0	106
136	Albumin administration protects against bilirubinâ€induced auditory brainstem dysfunction in Gunn rat pups. Liver International, 2013, 33, 1557-1565.	3.9	7
137	Interaction between TNFone and tetrapyrroles may account for their anti-genotoxic effects â€" a novel mechanism for DNA-protection. Journal of Porphyrins and Phthalocyanines, 2013, 17, 1157-1166.	0.8	4
138	Optimizing Exchange Transfusion for Severe Unconjugated Hyperbilirubinemia: Studies in the Gunn Rat. PLoS ONE, 2013, 8, e77179.	2.5	6
139	Bilirubin accumulation and Cyp mRNA expression in selected brain regions of jaundiced Gunn rat pups. Pediatric Research, 2012, 71, 653-660.	2.3	45
140	Sustained Reduction of Hyperbilirubinemia in Gunn Rats After Adeno-Associated Virus-Mediated Gene Transfer of Bilirubin UDP-Glucuronosyltransferase Isozyme 1A1 to Skeletal Muscle. Human Gene Therapy, 2012, 23, 1082-1089.	2.7	7
141	Letter by VÃtek et al Regarding Article, â€œNiacin Inhibits Vascular Inflammation via the Induction of Heme Oxygenase-1â€. Circulation, 2012, 126, e99.	1.6	2
142	Bilirubin Increases Replicative Lifespan of Primary Fibroblasts through Modulation of Mitochondrial ROS Production. Free Radical Biology and Medicine, 2012, 53, S131.	2.9	0
143	Influence of reductive carboxylation on redox state of cancer cells. Free Radical Biology and Medicine, 2012, 53, S123-S124.	2.9	0
144	Intracellular accumulation of bilirubin as a defense mechanism against increased oxidative stress. Biochimie, 2012, 94, 1821-1827.	2.6	41

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145	New pathophysiological concepts underlying pathogenesis of pigment gallstones. Clinics and Research in Hepatology and Gastroenterology, 2012, 36, 122-129.	1.5	86
146	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. Clinics and Research in Hepatology and Gastroenterology, 2012, 36, e52-e53.	1.5	0
147	Serum bilirubin levels and the risk of Crohn's disease. Journal of Crohn's and Colitis, 2012, 6, 732.	1.3	0
148	The risk of sporadic colorectal cancer development is not influenced by fat mass and obesity related gene polymorphism in Slavs. European Journal of Internal Medicine, 2012, 23, e175-e176.	2.2	4
149	The Role of Bilirubin in Diabetes, Metabolic Syndrome, and Cardiovascular Diseases. Frontiers in Pharmacology, 2012, 3, 55.	3.5	224
150	Association of serum bilirubin and promoter variations in HMOX1 and UGT1A1 genes with sporadic colorectal cancer. International Journal of Cancer, 2012, 131, 1549-1555.	5.1	70
151	Clostridium difficile in piglets in the Czech Republic. Folia Microbiologica, 2012, 57, 159-161.	2.3	7
152	Decreased serum antioxidant capacity in patients with Wilson disease is associated with neurological symptoms. Journal of Inherited Metabolic Disease, 2012, 35, 541-548.	3.6	28
153	Total Antioxidative Capacity in Serum Correlates With the Phenotypic Manifestation of Wilson Disease. Gastroenterology, 2011, 140, S-939.	1.3	0
154	Statin use and serum bilirubin levels. Atherosclerosis, 2011, 219, 969.	0.8	5
155	700 PROTECTIVE EFFECT OF HEME OXYGENASE AND GANGLIOSIDES IN OBSTRUCTIVE CHOLESTASIS. Journal of Hepatology, 2011, 54, S281.	3.7	0
156	No association of promoter variations of HMOX1 and UGT1A1 genes with liver injury in chronic hepatitis C. Annals of Hepatology, 2011, 10, 445-451.	1.5	11
157	Sleep disorders in Wilsonâ€™s disease. European Journal of Neurology, 2011, 18, 184-190.	3.3	56
158	Longâ€term followâ€up of Wilson Disease: natural history, treatment, mutations analysis and phenotypic correlation. Liver International, 2011, 31, 83-91.	3.9	114
159	Bile acids decrease intracellular bilirubin levels in the cholestatic liver: implications for bile acid-mediated oxidative stress. Journal of Cellular and Molecular Medicine, 2011, 15, 1156-1165.	3.6	39
160	Effects of heme oxygenase-1 on induction and development of chemically induced squamous cell carcinoma in mice. Free Radical Biology and Medicine, 2011, 51, 1717-1726.	2.9	43
161	Bile acid malabsorption in inflammatory bowel disease. Inflammatory Bowel Diseases, 2011, 17, 1322-1327.	1.9	102
162	Two independent genetic factors responsible for the associations of the IBD5 locus with CrohnÊ¼s disease in the Czech population. Inflammatory Bowel Diseases, 2011, 17, 1523-1529.	1.9	9

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163	Determination of Beta-Defensin Genomic Copy Number in Different Populations: A Comparison of Three Methods. PLoS ONE, 2011, 6, e16768.	2.5	39
164	No association of promoter variations of HMOX1 and UGT1A1 genes with liver injury in chronic hepatitis C. Annals of Hepatology, 2011, 10, 445-51.	1.5	7
165	Infliximab dependency is related to decreased surgical rates in adult Crohn's disease patients. European Journal of Gastroenterology and Hepatology, 2010, 22, 1196-1203.	1.6	12
166	586 Differential Regional Dynamics of Unconjugated Bilirubin Entry and Clearance in the Brain of Gunn Rats. Pediatric Research, 2010, 68, 300-301.	2.3	0
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