

Shelly C Lu

List of Publications by Citations

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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.

225
papers

15,527
citations

64
h-index

117
g-index

240
ext. papers

17,815
ext. citations

6.9
avg, IF

7.11
L-index

#	Paper	IF	Citations
225	Regulation of glutathione synthesis. <i>Molecular Aspects of Medicine</i> , 2009 , 30, 42-59	16.7	1225
224	Glutathione synthesis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013 , 1830, 3143-53	4	978
223	Regulation of hepatic glutathione synthesis: current concepts and controversies. <i>FASEB Journal</i> , 1999 , 13, 1169-1183	0.9	665
222	Characterization and comprehensive proteome profiling of exosomes secreted by hepatocytes. <i>Journal of Proteome Research</i> , 2008 , 7, 5157-66	5.6	427
221	S-Adenosylmethionine: a control switch that regulates liver function. <i>FASEB Journal</i> , 2002 , 16, 15-26	0.9	346
220	S-Adenosylmethionine. <i>International Journal of Biochemistry and Cell Biology</i> , 2000 , 32, 391-5	5.6	330
219	S-adenosylmethionine in liver health, injury, and cancer. <i>Physiological Reviews</i> , 2012 , 92, 1515-42	47.9	313
218	Current concepts in the pathogenesis of alcoholic liver injury. <i>FASEB Journal</i> , 2001 , 15, 1335-49	0.9	306
217	Reduced mRNA abundance of the main enzymes involved in methionine metabolism in human liver cirrhosis and hepatocellular carcinoma. <i>Journal of Hepatology</i> , 2000 , 33, 907-14	13.4	273
216	Spontaneous oxidative stress and liver tumors in mice lacking methionine adenosyltransferase 1A. <i>FASEB Journal</i> , 2002 , 16, 1292-4	0.9	236
215	NASH Leading Cause of Liver Transplant in Women: Updated Analysis of Indications For Liver Transplant and Ethnic and Gender Variances. <i>American Journal of Gastroenterology</i> , 2018 , 113, 1649-1659	6.7	230
214	Role of S-adenosyl-L-methionine in liver health and injury. <i>Hepatology</i> , 2007 , 45, 1306-12	11.2	224
213	Loss of the glycine N-methyltransferase gene leads to steatosis and hepatocellular carcinoma in mice. <i>Hepatology</i> , 2008 , 47, 1191-9	11.2	220
212	Methionine metabolism and liver disease. <i>Annual Review of Nutrition</i> , 2008 , 28, 273-93	9.9	210
211	Nrf1 and Nrf2 regulate rat glutamate-cysteine ligase catalytic subunit transcription indirectly via NF-kappaB and AP-1. <i>Molecular and Cellular Biology</i> , 2005 , 25, 5933-46	4.8	185
210	S-adenosylmethionine stabilizes cystathionine beta-synthase and modulates redox capacity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 6489-94	11.5	176
209	Prevalence of chronic liver disease and cirrhosis by underlying cause in understudied ethnic groups: The multiethnic cohort. <i>Hepatology</i> , 2016 , 64, 1969-1977	11.2	175

208	Emerging role of epigenetics in the actions of alcohol. <i>Alcoholism: Clinical and Experimental Research</i> , 2008 , 32, 1525-34	3.7	169
207	Regulation of glutathione synthesis. <i>Current Topics in Cellular Regulation</i> , 2000 , 36, 95-116		167
206	Mechanism and significance of increased glutathione level in human hepatocellular carcinoma and liver regeneration. <i>FASEB Journal</i> , 2001 , 15, 19-21	0.9	157
205	S-Adenosylmethionine in cell growth, apoptosis and liver cancer. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2008 , 23 Suppl 1, S73-7	4	141
204	Role of S-adenosylmethionine, folate, and betaine in the treatment of alcoholic liver disease: summary of a symposium. <i>American Journal of Clinical Nutrition</i> , 2007 , 86, 14-24	7	140
203	Functional proteomics of nonalcoholic steatohepatitis: mitochondrial proteins as targets of S-adenosylmethionine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 3065-70	11.5	140
202	Metabolomic Identification of Subtypes of Nonalcoholic Steatohepatitis. <i>Gastroenterology</i> , 2017 , 152, 1449-1461.e7	13.3	139
201	Methylthioadenosine. <i>International Journal of Biochemistry and Cell Biology</i> , 2004 , 36, 2125-30	5.6	137
200	Changes in methionine adenosyltransferase and S-adenosylmethionine homeostasis in alcoholic rat liver. <i>American Journal of Physiology - Renal Physiology</i> , 2000 , 279, G178-85	5.1	135
199	Abnormal hepatic methionine and glutathione metabolism in patients with alcoholic hepatitis. <i>Alcoholism: Clinical and Experimental Research</i> , 2004 , 28, 173-81	3.7	126
198	Epithelial-to-mesenchymal transition of murine liver tumor cells promotes invasion. <i>Hepatology</i> , 2010 , 52, 945-53	11.2	125
197	Liquid chromatography-mass spectrometry-based parallel metabolic profiling of human and mouse model serum reveals putative biomarkers associated with the progression of nonalcoholic fatty liver disease. <i>Journal of Proteome Research</i> , 2010 , 9, 4501-12	5.6	119
196	Role of methionine adenosyltransferase and S-adenosylmethionine in alcohol-associated liver cancer. <i>Alcohol</i> , 2005 , 35, 227-34	2.7	119
195	S-adenosylmethionine metabolism and liver disease. <i>Annals of Hepatology</i> , 2013 , 12, 183-189	3.1	116
194	Differential regulation of gamma-glutamylcysteine synthetase heavy and light subunit gene expression. <i>Biochemical Journal</i> , 1997 , 326 (Pt 1), 167-72	3.8	114
193	S-adenosylmethionine and methylthioadenosine are antiapoptotic in cultured rat hepatocytes but proapoptotic in human hepatoma cells. <i>Hepatology</i> , 2002 , 35, 274-80	11.2	111
192	Association of coffee intake with reduced incidence of liver cancer and death from chronic liver disease in the US multiethnic cohort. <i>Gastroenterology</i> , 2015 , 148, 118-25; quiz e15	13.3	109
191	MicroRNAs regulate methionine adenosyltransferase 1A expression in hepatocellular carcinoma. <i>Journal of Clinical Investigation</i> , 2013 , 123, 285-98	15.9	104

190	Candidate biomarkers in exosome-like vesicles purified from rat and mouse urine samples. <i>Proteomics - Clinical Applications</i> , 2010 , 4, 416-25	3.1	99
189	HuR/methyl-HuR and AUF1 regulate the MAT expressed during liver proliferation, differentiation, and carcinogenesis. <i>Gastroenterology</i> , 2010 , 138, 1943-53	13.3	95
188	Regulation of gamma-glutamylcysteine synthetase by protein phosphorylation. <i>Biochemical Journal</i> , 1996 , 320 (Pt 1), 321-8	3.8	95
187	Murine double minute 2 regulates Hu antigen R stability in human liver and colon cancer through NEDDylation. <i>Hepatology</i> , 2012 , 55, 1237-48	11.2	89
186	Non-alcoholic steatohepatitis and animal models: understanding the human disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2009 , 41, 969-76	5.6	88
185	S-adenosylmethionine inhibits lipopolysaccharide-induced gene expression via modulation of histone methylation. <i>Hepatology</i> , 2008 , 47, 1655-66	11.2	88
184	Liver-specific deletion of prohibitin 1 results in spontaneous liver injury, fibrosis, and hepatocellular carcinoma in mice. <i>Hepatology</i> , 2010 , 52, 2096-108	11.2	84
183	Excess S-adenosylmethionine reroutes phosphatidylethanolamine towards phosphatidylcholine and triglyceride synthesis. <i>Hepatology</i> , 2013 , 58, 1296-305	11.2	81
182	S-adenosylmethionine regulates cytoplasmic HuR via AMP-activated kinase. <i>Gastroenterology</i> , 2006 , 131, 223-32	13.3	81
181	Alcohol, DNA methylation, and cancer 2013 , 35, 25-35		81
180	CD133+ liver cancer stem cells from methionine adenosyl transferase 1A-deficient mice demonstrate resistance to transforming growth factor (TGF)-beta-induced apoptosis. <i>Hepatology</i> , 2009 , 49, 1277-86	11.2	79
179	Liver-specific methionine adenosyltransferase MAT1A gene expression is associated with a specific pattern of promoter methylation and histone acetylation: implications for MAT1A silencing during transformation. <i>FASEB Journal</i> , 2000 , 14, 95-102	0.9	79
178	Changes in glutathione homeostasis during liver regeneration in the rat. <i>Hepatology</i> , 1998 , 27, 147-53	11.2	78
177	Role of abnormal methionine metabolism in alcoholic liver injury. <i>Alcohol</i> , 2002 , 27, 155-62	2.7	78
176	Expansion of liver cancer stem cells during aging in methionine adenosyltransferase 1A-deficient mice. <i>Hepatology</i> , 2008 , 47, 1288-97	11.2	74
175	S-adenosylmethionine and its metabolite induce apoptosis in HepG2 cells: Role of protein phosphatase 1 and Bcl-x(S). <i>Hepatology</i> , 2004 , 40, 221-31	11.2	74
174	SARS-CoV-2 Infection Dysregulates the Metabolomic and Lipidomic Profiles of Serum. <i>IScience</i> , 2020 , 23, 101645	6.1	74
173	S-adenosylmethionine in the chemoprevention and treatment of hepatocellular carcinoma in a rat model. <i>Hepatology</i> , 2009 , 50, 462-71	11.2	73

172	Role of methionine adenosyltransferase 2A and S-adenosylmethionine in mitogen-induced growth of human colon cancer cells. <i>Gastroenterology</i> , 2007 , 133, 207-18	13.3	72
171	5-Methylthioadenosine modulates the inflammatory response to endotoxin in mice and in rat hepatocytes. <i>Hepatology</i> , 2004 , 39, 1088-98	11.2	71
170	Regulation of hepatic glutathione synthesis. <i>Seminars in Liver Disease</i> , 1998 , 18, 331-43	7.3	71
169	Dysregulation of glutathione synthesis during cholestasis in mice: molecular mechanisms and therapeutic implications. <i>Hepatology</i> , 2009 , 49, 1982-91	11.2	69
168	Leptin's mitogenic effect in human liver cancer cells requires induction of both methionine adenosyltransferase 2A and 2B. <i>Hepatology</i> , 2008 , 47, 521-31	11.2	68
167	Detection of Circulating Tumor Cells and Their Implications as a Biomarker for Diagnosis, Prognostication, and Therapeutic Monitoring in Hepatocellular Carcinoma. <i>Hepatology</i> , 2021 , 73, 422-436	11.2	68
166	Nonalcoholic fatty liver disease: update on pathogenesis, diagnosis, treatment and the role of S-adenosylmethionine. <i>Experimental Biology and Medicine</i> , 2015 , 240, 809-20	3.7	67
165	Genetic polymorphisms in the methylenetetrahydrofolate reductase and thymidylate synthase genes and risk of hepatocellular carcinoma. <i>Hepatology</i> , 2007 , 46, 749-58	11.2	67
164	MAT2B-GIT1 interplay activates MEK1/ERK 1 and 2 to induce growth in human liver and colon cancer. <i>Hepatology</i> , 2013 , 57, 2299-313	11.2	64
163	Fatty liver and fibrosis in glycine N-methyltransferase knockout mice is prevented by nicotinamide. <i>Hepatology</i> , 2010 , 52, 105-14	11.2	64
162	Impaired liver regeneration in mice lacking methionine adenosyltransferase 1A. <i>FASEB Journal</i> , 2004 , 18, 914-6	0.9	64
161	Tumour necrosis factor alpha induces co-ordinated activation of rat GSH synthetic enzymes via nuclear factor kappaB and activator protein-1. <i>Biochemical Journal</i> , 2005 , 391, 399-408	3.8	64
160	Metabolomic-based noninvasive serum test to diagnose nonalcoholic steatohepatitis: Results from discovery and validation cohorts. <i>Hepatology Communications</i> , 2018 , 2, 807-820	6	64
159	Methionine adenosyltransferase 1A gene deletion disrupts hepatic very low-density lipoprotein assembly in mice. <i>Hepatology</i> , 2011 , 54, 1975-86	11.2	63
158	Human antigen R contributes to hepatic stellate cell activation and liver fibrosis. <i>Hepatology</i> , 2012 , 56, 1870-82	11.2	62
157	Role of Aramchol in steatohepatitis and fibrosis in mice. <i>Hepatology Communications</i> , 2017 , 1, 911-927	6	61
156	L-methionine availability regulates expression of the methionine adenosyltransferase 2A gene in human hepatocarcinoma cells: role of S-adenosylmethionine. <i>Journal of Biological Chemistry</i> , 2003 , 278, 19885-90	5.4	61
155	Retinoid X receptor alpha regulates glutathione homeostasis and xenobiotic detoxification processes in mouse liver. <i>Molecular Pharmacology</i> , 2004 , 65, 550-7	4.3	59

154	Effects of S-adenosylmethionine and methylthioadenosine on inflammation-induced colon cancer in mice. <i>Carcinogenesis</i> , 2012 , 33, 427-35	4.6	58
153	Inhibition of human betaine-homocysteine methyltransferase expression by S-adenosylmethionine and methylthioadenosine. <i>Biochemical Journal</i> , 2007 , 401, 87-96	3.8	58
152	Evidence for LKB1/AMP-activated protein kinase/ endothelial nitric oxide synthase cascade regulated by hepatocyte growth factor, S-adenosylmethionine, and nitric oxide in hepatocyte proliferation. <i>Hepatology</i> , 2009 , 49, 608-17	11.2	57
151	Cloning and characterization of the human glutathione synthetase 5Qflanking region. <i>Biochemical Journal</i> , 2005 , 390, 521-8	3.8	57
150	The role of c-Myb and Sp1 in the up-regulation of methionine adenosyltransferase 2A gene expression in human hepatocellular carcinoma. <i>FASEB Journal</i> , 2001 , 15, 1507-16	0.9	57
149	Effect of ethanol and high-fat feeding on hepatic gamma-glutamylcysteine synthetase subunit expression in the rat. <i>Hepatology</i> , 1999 , 30, 209-14	11.2	57
148	S-adenosylmethionine levels regulate the schwann cell DNA methylome. <i>Neuron</i> , 2014 , 81, 1024-1039	13.9	56
147	S-adenosyl methionine regulates ubiquitin-conjugating enzyme 9 protein expression and sumoylation in murine liver and human cancers. <i>Hepatology</i> , 2012 , 56, 982-93	11.2	56
146	Expression pattern, regulation, and functions of methionine adenosyltransferase 2beta splicing variants in hepatoma cells. <i>Gastroenterology</i> , 2008 , 134, 281-91	13.3	56
145	Inhibition of lipopolysaccharide-stimulated TNF-alpha promoter activity by S-adenosylmethionine and 5Qmethylthioadenosine. <i>American Journal of Physiology - Renal Physiology</i> , 2004 , 287, G352-62	5.1	56
144	S-adenosylmethionine metabolism and liver disease. <i>Annals of Hepatology</i> , 2013 , 12, 183-9	3.1	56
143	Stabilization of LKB1 and Akt by neddylation regulates energy metabolism in liver cancer. <i>Oncotarget</i> , 2015 , 6, 2509-23	3.3	55
142	Serum UPLC-MS/MS metabolic profiling in an experimental model for acute-liver injury reveals potential biomarkers for hepatotoxicity. <i>Metabolomics</i> , 2012 , 8, 997-1011	4.7	55
141	Effect of thioacetamide on the hepatic expression of gamma-glutamylcysteine synthetase subunits in the Rat. <i>Toxicology and Applied Pharmacology</i> , 1999 , 159, 161-8	4.6	55
140	Hepatocyte growth factor induces MAT2A expression and histone acetylation in rat hepatocytes: role in liver regeneration. <i>FASEB Journal</i> , 2001 , 15, 1248-50	0.9	53
139	Activation of LKB1-Akt pathway independent of phosphoinositide 3-kinase plays a critical role in the proliferation of hepatocellular carcinoma from nonalcoholic steatohepatitis. <i>Hepatology</i> , 2010 , 52, 1621-31	11.2	52
138	Quantitative proteomic analysis of hepatocyte-secreted extracellular vesicles reveals candidate markers for liver toxicity. <i>Journal of Proteomics</i> , 2014 , 103, 227-40	3.9	50
137	Inducers of gamma-glutamylcysteine synthetase and their effects on glutathione synthetase expression. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2000 , 1493, 48-55		50

136	Changes in methionine adenosyltransferase during liver regeneration in the rat. <i>American Journal of Physiology - Renal Physiology</i> , 1998 , 275, G14-21	5.1	50
135	Differential effect of thioacetamide on hepatic methionine adenosyltransferase expression in the rat. <i>Hepatology</i> , 1999 , 29, 1471-8	11.2	50
134	S-Adenosylmethionine and methylthioadenosine inhibit cellular FLICE inhibitory protein expression and induce apoptosis in colon cancer cells. <i>Molecular Pharmacology</i> , 2009 , 76, 192-200	4.3	48
133	Biomarkers and subtypes of deranged lipid metabolism in non-alcoholic fatty liver disease. <i>World Journal of Gastroenterology</i> , 2019 , 25, 3009-3020	5.6	47
132	Activation of a novel c-Myc-miR27-prohibitin 1 circuitry in cholestatic liver injury inhibits glutathione synthesis in mice. <i>Antioxidants and Redox Signaling</i> , 2015 , 22, 259-74	8.4	47
131	Inhibition of natural killer cells protects the liver against acute injury in the absence of glycine N-methyltransferase. <i>Hepatology</i> , 2012 , 56, 747-59	11.2	47
130	Changes in the expression of methionine adenosyltransferase genes and S-adenosylmethionine homeostasis during hepatic stellate cell activation. <i>Hepatology</i> , 2010 , 51, 986-95	11.2	46
129	15-Deoxy-Delta12,14-prostaglandin J(2) protects against nitrosative PC12 cell death through up-regulation of intracellular glutathione synthesis. <i>Journal of Biological Chemistry</i> , 2004 , 279, 46263-70	5.4	46
128	The mitochondrial negative regulator MCJ is a therapeutic target for acetaminophen-induced liver injury. <i>Nature Communications</i> , 2017 , 8, 2068	17.4	45
127	Cloning and characterization of the 5'-flanking region of the rat glutamate-cysteine ligase catalytic subunit. <i>Biochemical Journal</i> , 2001 , 357, 447-455	3.8	45
126	Changes in S-adenosylmethionine and GSH homeostasis during endotoxemia in mice. <i>Laboratory Investigation</i> , 2008 , 88, 1121-9	5.9	44
125	Identification of a gene-pathway associated with non-alcoholic steatohepatitis. <i>Journal of Hepatology</i> , 2007 , 46, 708-18	13.4	44
124	Methionine and S-adenosylmethionine levels are critical regulators of PP2A activity modulating lipophagy during steatosis. <i>Journal of Hepatology</i> , 2016 , 64, 409-418	13.4	43
123	Mechanism and significance of changes in glutamate-cysteine ligase expression during hepatic fibrogenesis. <i>Journal of Biological Chemistry</i> , 2012 , 287, 36341-55	5.4	43
122	Alcohol, cofactors and the genetics of hepatocellular carcinoma. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2008 , 23 Suppl 1, S92-7	4	43
121	Induction of human methionine adenosyltransferase 2A expression by tumor necrosis factor alpha. Role of NF-kappa B and AP-1. <i>Journal of Biological Chemistry</i> , 2003 , 278, 50887-96	5.4	43
120	Role of promoter methylation in increased methionine adenosyltransferase 2A expression in human liver cancer. <i>American Journal of Physiology - Renal Physiology</i> , 2001 , 280, G184-90	5.1	43
119	Comparison of sulfur amino acid utilization for GSH synthesis between HepG2 cells and cultured rat hepatocytes. <i>Biochemical Pharmacology</i> , 1994 , 47, 859-69	6	43

118	Hyaluronan synthase 2-mediated hyaluronan production mediates Notch1 activation and liver fibrosis. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	42
117	Mechanisms of MAFG Dysregulation in Cholestatic Liver Injury and Development of Liver Cancer. <i>Gastroenterology</i> , 2018 , 155, 557-571.e14	13.3	41
116	Switch from Mnt-Max to Myc-Max induces p53 and cyclin D1 expression and apoptosis during cholestasis in mouse and human hepatocytes. <i>Hepatology</i> , 2009 , 49, 860-70	11.2	40
115	S-adenosylmethionine and proliferation: new pathways, new targets. <i>Biochemical Society Transactions</i> , 2008 , 36, 848-52	5.1	40
114	Forced expression of methionine adenosyltransferase 1A in human hepatoma cells suppresses in vivo tumorigenicity in mice. <i>American Journal of Pathology</i> , 2010 , 176, 2456-66	5.8	39
113	Betaine prevents Mallory-Denk body formation in drug-primed mice by epigenetic mechanisms. <i>Experimental and Molecular Pathology</i> , 2009 , 86, 77-86	4.4	39
112	Non-alcoholic fatty liver disease proteomics. <i>Proteomics - Clinical Applications</i> , 2010 , 4, 362-71	3.1	38
111	Epigallocatechin-3-gallate inhibits growth of activated hepatic stellate cells by enhancing the capacity of glutathione synthesis. <i>Molecular Pharmacology</i> , 2008 , 73, 1465-73	4.3	38
110	Methionine adenosyltransferases in cancers: Mechanisms of dysregulation and implications for therapy. <i>Experimental Biology and Medicine</i> , 2018 , 243, 107-117	3.7	38
109	Current status of hepatocellular carcinoma detection: screening strategies and novel biomarkers. <i>Therapeutic Advances in Medical Oncology</i> , 2019 , 11, 1758835919869120	5.4	36
108	Keratin mutation primes mouse liver to oxidative injury. <i>Hepatology</i> , 2005 , 41, 517-25	11.2	36
107	Cloning and characterization of the 5'flanking region of the rat glutamate-cysteine ligase catalytic subunit. <i>Biochemical Journal</i> , 2001 , 357, 447-55	3.8	36
106	Diabetes and racial/ethnic differences in hepatocellular carcinoma risk: the multiethnic cohort. <i>Journal of the National Cancer Institute</i> , 2014 , 106,	9.7	34
105	Hepatoma cells from mice deficient in glycine N-methyltransferase have increased RAS signaling and activation of liver kinase B1. <i>Gastroenterology</i> , 2012 , 143, 787-798.e13	13.3	34
104	Prohibitin 1 suppresses liver cancer tumorigenesis in mice and human hepatocellular and cholangiocarcinoma cells. <i>Hepatology</i> , 2017 , 65, 1249-1266	11.2	32
103	Methionine adenosyltransferase 2B-GIT1 complex serves as a scaffold to regulate Ras/Raf/MEK1/2 activity in human liver and colon cancer cells. <i>American Journal of Pathology</i> , 2015 , 185, 1135-44	5.8	32
102	Role of AP-1 in the coordinate induction of rat glutamate-cysteine ligase and glutathione synthetase by tert-butylhydroquinone. <i>Journal of Biological Chemistry</i> , 2002 , 277, 35232-9	5.4	32
101	NOD-like receptor C4 Inflammasome Regulates the Growth of Colon Cancer Liver Metastasis in NAFLD. <i>Hepatology</i> , 2019 , 70, 1582-1599	11.2	31

100	Sex and Ethnic Differences in the Association of Obesity With Risk of Hepatocellular Carcinoma. <i>Clinical Gastroenterology and Hepatology</i> , 2016 , 14, 309-16	6.9	31
99	Structure and function study of the complex that synthesizes S-adenosylmethionine. <i>IUCrJ</i> , 2014 , 1, 240-47	4.7	31
98	S-Adenosylmethionine increases circulating very-low density lipoprotein clearance in non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2015 , 62, 673-81	13.4	31
97	Impaired liver regeneration in mice lacking glycine N-methyltransferase. <i>Hepatology</i> , 2009 , 50, 443-52	11.2	31
96	Disparity in liver cancer incidence and chronic liver disease mortality by nativity in Hispanics: The Multiethnic Cohort. <i>Cancer</i> , 2016 , 122, 1444-52	6.4	30
95	S-adenosylmethionine regulates apurinic/apyrimidinic endonuclease 1 stability: implication in hepatocarcinogenesis. <i>Gastroenterology</i> , 2009 , 136, 1025-36	13.3	30
94	Oxidation of specific methionine and tryptophan residues of apolipoprotein A-I in hepatocarcinogenesis. <i>Proteomics</i> , 2005 , 5, 4964-72	4.8	30
93	Polyamine and methionine adenosyltransferase 2A crosstalk in human colon and liver cancer. <i>Experimental Cell Research</i> , 2013 , 319, 1902-1911	4.2	29
92	Overview of extracellular microvesicles in drug metabolism. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2010 , 6, 543-54	5.5	29
91	S-adenosylmethionine regulates dual-specificity mitogen-activated protein kinase phosphatase expression in mouse and human hepatocytes. <i>Hepatology</i> , 2010 , 51, 2152-61	11.2	29
90	Deregulated neddylation in liver fibrosis. <i>Hepatology</i> , 2017 , 65, 694-709	11.2	28
89	Role of S-adenosylmethionine in two experimental models of pancreatitis. <i>FASEB Journal</i> , 2003 , 17, 56-80.9	8.9	28
88	MiR-873-5p acts as an epigenetic regulator in early stages of liver fibrosis and cirrhosis. <i>Cell Death and Disease</i> , 2018 , 9, 958	9.8	28
87	Methionine adenosyltransferase 2B, HuR, and sirtuin 1 protein cross-talk impacts on the effect of resveratrol on apoptosis and growth in liver cancer cells. <i>Journal of Biological Chemistry</i> , 2013 , 288, 23161-70	5.4	27
86	Fatty liver in hepatitis C patients post-sustained virological response with direct-acting antivirals. <i>World Journal of Gastroenterology</i> , 2018 , 24, 1269-1277	5.6	27
85	Deregulated methionine adenosyltransferase 1, c-Myc, and Maf proteins together promote cholangiocarcinoma growth in mice and humans. <i>Hepatology</i> , 2016 , 64, 439-55	11.2	27
84	Role of methionine adenosyltransferase genes in hepatocarcinogenesis. <i>Cancers</i> , 2011 , 3, 1480-97	6.6	26
83	Induction of avian musculoaponeurotic fibrosarcoma proteins by toxic bile acid inhibits expression of glutathione synthetic enzymes and contributes to cholestatic liver injury in mice. <i>Hepatology</i> , 2010 , 51, 1291-301	11.2	26

82	MicroRNA-mediated regulation of glutathione and methionine metabolism and its relevance for liver disease. <i>Free Radical Biology and Medicine</i> , 2016 , 100, 66-72	7.8	26
81	Methionine adenosyltransferases in liver health and diseases. <i>Liver Research</i> , 2017 , 1, 103-111	4.1	25
80	Histone deacetylase 4 promotes cholestatic liver injury in the absence of prohibitin-1. <i>Hepatology</i> , 2015 , 62, 1237-48	11.2	25
79	Novel function and intracellular localization of methionine adenosyltransferase 2beta splicing variants. <i>Journal of Biological Chemistry</i> , 2010 , 285, 20015-21	5.4	25
78	Effect of hepatocyte growth factor on methionine adenosyltransferase genes and growth is cell density-dependent in HepG2 cells. <i>Journal of Cellular Physiology</i> , 2007 , 210, 766-73	7	25
77	Targeting Hepatic Glutaminase 1 Ameliorates Non-alcoholic Steatohepatitis by Restoring Very-Low-Density Lipoprotein Triglyceride Assembly. <i>Cell Metabolism</i> , 2020 , 31, 605-622.e10	24.6	24
76	Crystallography captures catalytic steps in human methionine adenosyltransferase enzymes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 2104-9	11.5	24
75	Molecular mechanisms of lipopolysaccharide-mediated inhibition of glutathione synthesis in mice. <i>Free Radical Biology and Medicine</i> , 2014 , 68, 148-58	7.8	24
74	Inhibition of human methionine adenosyltransferase 1A transcription by coding region methylation. <i>Journal of Cellular Physiology</i> , 2012 , 227, 1583-91	7	24
73	Insulin-like growth factor 1 activates methionine adenosyltransferase 2A transcription by multiple pathways in human colon cancer cells. <i>Biochemical Journal</i> , 2011 , 436, 507-16	3.8	23
72	Cloning and functional characterization of the 5'flanking region of human methionine adenosyltransferase 2A gene. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 248, 479-84	3.4	23
71	Requirement of RIZ1 for cancer prevention by methyl-balanced diet. <i>PLoS ONE</i> , 2008 , 3, e3390	3.7	22
70	S-adenosylmethionine and methylthioadenosine inhibit cancer metastasis by targeting microRNA 34a/b-methionine adenosyltransferase 2A/2B axis. <i>Oncotarget</i> , 2017 , 8, 78851-78869	3.3	21
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