

Shelly C Lu

List of Publications by Year in descending order

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237
papers

19,815
citations

11608

70
h-index

12910

131
g-index

240
all docs

240
docs citations

240
times ranked

22955
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of glutathione synthesis. <i>Molecular Aspects of Medicine</i> , 2009, 30, 42-59.	2.7	1,567
2	Glutathione synthesis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3143-3153.	1.1	1,418
3	Regulation of hepatic glutathione synthesis: current concepts and controversies. <i>FASEB Journal</i> , 1999, 13, 1169-1183.	0.2	744
4	Characterization and Comprehensive Proteome Profiling of Exosomes Secreted by Hepatocytes. <i>Journal of Proteome Research</i> , 2008, 7, 5157-5166.	1.8	530
5	S-adenosylmethionine in Liver Health, Injury, and Cancer. <i>Physiological Reviews</i> , 2012, 92, 1515-1542.	13.1	422
6	S-Adenosylmethionine. <i>International Journal of Biochemistry and Cell Biology</i> , 2000, 32, 391-395.	1.2	403
7	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.	0.2	401
8	S-Adenosylmethionine: a control switch that regulates liver function. <i>FASEB Journal</i> , 2002, 16, 15-26.	0.2	383
9	Current concepts in the pathogenesis of alcoholic liver injury. <i>FASEB Journal</i> , 2001, 15, 1335-1349.	0.2	343
10	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, 907-914.	1.8	315
11	Loss of the glycine N-methyltransferase gene leads to steatosis and hepatocellular carcinoma in mice. <i>Hepatology</i> , 2008, 47, 1191-1199.	3.6	262
12	Spontaneous oxidative stress and liver tumors in mice lacking methionine adenosyltransferase 1A. <i>FASEB Journal</i> , 2002, 16, 1292-1294.	0.2	259
13	Role of S-adenosyl-L-methionine in liver health and injury. <i>Hepatology</i> , 2007, 45, 1306-1312.	3.6	258
14	Methionine Metabolism and Liver Disease. <i>Annual Review of Nutrition</i> , 2008, 28, 273-293.	4.3	253
15	Prevalence of chronic liver disease and cirrhosis by underlying cause in understudied ethnic groups: The multiethnic cohort. <i>Hepatology</i> , 2016, 64, 1969-1977.	3.6	237
16	Nrf1 and Nrf2 Regulate Rat Glutamate-Cysteine Ligase Catalytic Subunit Transcription Indirectly via NF- κ B and AP-1. <i>Molecular and Cellular Biology</i> , 2005, 25, 5933-5946.	1.1	218
17	Metabolomic Identification of Subtypes of Nonalcoholic Steatohepatitis. <i>Gastroenterology</i> , 2017, 152, 1449-1461.e7.	0.6	209
18	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, 6489-6494.	3.3	205

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19	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.	3.6	200
20	Regulation of glutathione synthesis. <i>Current Topics in Cellular Regulation</i> , 2001, 36, 95-116.	9.6	192
21	Mechanism and significance of increased glutathione level in human hepatocellular carcinoma and liver regeneration. <i>FASEB Journal</i> , 2001, 15, 19-21.	0.2	192
22	Methylthioadenosine. <i>International Journal of Biochemistry and Cell Biology</i> , 2004, 36, 2125-2130.	1.2	192
23	Emerging Role of Epigenetics in the Actions of Alcohol. <i>Alcoholism: Clinical and Experimental Research</i> , 2008, 32, 1525-1534.	1.4	188
24	S-adenosylmethionine in cell growth, apoptosis and liver cancer. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2008, 23, S73-7.	1.4	169
25	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.	2.2	168
26	Changes in methionine adenosyltransferase and S-adenosylmethionine homeostasis in alcoholic rat liver. <i>American Journal of Physiology - Renal Physiology</i> , 2000, 279, G178-G185.	1.6	162
27	SARS-CoV-2 Infection Dysregulates the Metabolomic and Lipidomic Profiles of Serum. <i>IScience</i> , 2020, 23, 101645.	1.9	157
28	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, 3065-3070.	3.3	154
29	S-adenosylmethionine metabolism and liver disease. <i>Annals of Hepatology</i> , 2013, 12, 183-189.	0.6	152
30	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, 118-125.	0.6	145
31	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, 4501-4512.	1.8	144
32	Epithelial-to-mesenchymal transition of murine liver tumor cells promotes invasion. <i>Hepatology</i> , 2010, 52, 945-953.	3.6	139
33	Abnormal Hepatic Methionine and Glutathione Metabolism in Patients With Alcoholic Hepatitis. <i>Alcoholism: Clinical and Experimental Research</i> , 2004, 28, 173-181.	1.4	138
34	Role of methionine adenosyltransferase and S-adenosylmethionine in alcohol-associated liver cancer. <i>Alcohol</i> , 2005, 35, 227-234.	0.8	138
35	MicroRNAs regulate methionine adenosyltransferase 1A expression in hepatocellular carcinoma. <i>Journal of Clinical Investigation</i> , 2013, 123, 285-298.	3.9	126
36	Differential regulation of γ -glutamylcysteine synthetase heavy and light subunit gene expression. <i>Biochemical Journal</i> , 1997, 326, 167-172.	1.7	121

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37	S-adenosylmethionine and methylthioadenosine are antiapoptotic in cultured rat hepatocytes but proapoptotic in human hepatoma cells. <i>Hepatology</i> , 2002, 35, 274-280.	3.6	118
38	Metabolomic-based noninvasive serum test to diagnose nonalcoholic steatohepatitis: Results from discovery and validation cohorts. <i>Hepatology Communications</i> , 2018, 2, 807-820.	2.0	117
39	Candidate biomarkers in exosome-like vesicles purified from rat and mouse urine samples. <i>Proteomics - Clinical Applications</i> , 2010, 4, 416-425.	0.8	116
40	Biomarkers and subtypes of deranged lipid metabolism in non-alcoholic fatty liver disease. <i>World Journal of Gastroenterology</i> , 2019, 25, 3009-3020.	1.4	115
41	HuR/Methyl-HuR and AUF1 Regulate the MAT Expressed During Liver Proliferation, Differentiation, and Carcinogenesis. <i>Gastroenterology</i> , 2010, 138, 1943-1953.e3.	0.6	113
42	Liver-specific deletion of prohibitin 1 results in spontaneous liver injury, fibrosis, and hepatocellular carcinoma in mice. <i>Hepatology</i> , 2010, 52, 2096-2108.	3.6	107
43	Non-alcoholic steatohepatitis and animal models: Understanding the human disease. <i>International Journal of Biochemistry and Cell Biology</i> , 2009, 41, 969-976.	1.2	104
44	Murine double minute 2 regulates Hu antigen R stability in human liver and colon cancer through NEDDylation. <i>Hepatology</i> , 2012, 55, 1237-1248.	3.6	104
45	Regulation of γ -glutamylcysteine synthetase by protein phosphorylation. <i>Biochemical Journal</i> , 1996, 320, 321-328.	1.7	103
46	Excess S-adenosylmethionine reroutes phosphatidylethanolamine towards phosphatidylcholine and triglyceride synthesis. <i>Hepatology</i> , 2013, 58, 1296-1305.	3.6	100
47	Nonalcoholic fatty liver disease: Update on pathogenesis, diagnosis, treatment and the role of S-adenosylmethionine. <i>Experimental Biology and Medicine</i> , 2015, 240, 809-820.	1.1	98
48	S-adenosylmethionine inhibits lipopolysaccharide-induced gene expression via modulation of histone methylation. <i>Hepatology</i> , 2008, 47, 1655-1666.	3.6	94
49	5-methylthioadenosine modulates the inflammatory response to endotoxin in mice and in rat hepatocytes. <i>Hepatology</i> , 2004, 39, 1088-1098.	3.6	91
50	Hyaluronan synthase 2-mediated hyaluronan production mediates Notch1 activation and liver fibrosis. <i>Science Translational Medicine</i> , 2019, 11, .	5.8	91
51	Liver-specific methionine adenosyltransferase <i>MAT1A</i> gene expression is associated with a specific pattern of promoter methylation and histone acetylation: implications for <i>MAT1A</i> silencing during transformation. <i>FASEB Journal</i> , 2000, 14, 95-102.	0.2	89
52	S-Adenosylmethionine Regulates Cytoplasmic HuR Via AMP-Activated Kinase. <i>Gastroenterology</i> , 2006, 131, 223-232.	0.6	87
53	CD133+ liver cancer stem cells from methionine adenosyl transferase 1A-deficient mice demonstrate resistance to transforming growth factor (TGF)- β -induced apoptosis. <i>Hepatology</i> , 2009, 49, 1277-1286.	3.6	87
54	Role of abnormal methionine metabolism in alcoholic liver injury. <i>Alcohol</i> , 2002, 27, 155-162.	0.8	86

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55	Role of Methionine Adenosyltransferase 2A and S-adenosylmethionine in Mitogen-Induced Growth of Human Colon Cancer Cells. <i>Gastroenterology</i> , 2007, 133, 207-218.	0.6	86
56	Regulation of Hepatic Glutathione Synthesis. <i>Seminars in Liver Disease</i> , 1998, 18, 331-343.	1.8	84
57	Expansion of liver cancer stem cells during aging in methionine adenosyltransferase 1A-deficient mice. <i>Hepatology</i> , 2008, 47, 1288-1297.	3.6	84
58	Role of aramchol in steatohepatitis and fibrosis in mice. <i>Hepatology Communications</i> , 2017, 1, 911-927.	2.0	84
59	Changes in glutathione homeostasis during liver regeneration in the rat. <i>Hepatology</i> , 1998, 27, 147-153.	3.6	83
60	Alcohol, DNA methylation, and cancer. , 2013, 35, 25-35.		83
61	Fatty liver and fibrosis in glycine N-methyltransferase knockout mice is prevented by nicotinamide. <i>Hepatology</i> , 2010, 52, 105-114.	3.6	81
62	Methionine adenosyltransferase 1A gene deletion disrupts hepatic very low-density lipoprotein assembly in mice. <i>Hepatology</i> , 2011, 54, 1975-1986.	3.6	81
63	Dysregulation of glutathione synthesis during cholestasis in mice: Molecular mechanisms and therapeutic implications. <i>Hepatology</i> , 2009, 49, 1982-1991.	3.6	79
64	Human antigen R contributes to hepatic stellate cell activation and liver fibrosis. <i>Hepatology</i> , 2012, 56, 1870-1882.	3.6	79
65	S-adenosylmethionine in the chemoprevention and treatment of hepatocellular carcinoma in a rat model. <i>Hepatology</i> , 2009, 50, 462-471.	3.6	78
66	S-adenosylmethionine and its metabolite induce apoptosis in HepG2 cells: Role of protein phosphatase 1 and Bcl-xS. <i>Hepatology</i> , 2004, 40, 221-231.	3.6	77
67	The mitochondrial negative regulator MCJ is a therapeutic target for acetaminophen-induced liver injury. <i>Nature Communications</i> , 2017, 8, 2068.	5.8	77
68	Genetic polymorphisms in themethylenetetrahydrofolate reductase andthymidylate synthase genes and risk of hepatocellular carcinoma. <i>Hepatology</i> , 2007, 46, 749-758.	3.6	75
69	Tumour necrosis factor $\hat{\pm}$ induces co-ordinated activation of rat GSH synthetic enzymes via nuclear factor $\hat{\rho}$ B and activator protein-1. <i>Biochemical Journal</i> , 2005, 391, 399-408.	1.7	73
70	MAT2B-GIT1 interplay activates MEK1/ERK 1 and 2 to induce growth in human liver and colon cancer. <i>Hepatology</i> , 2013, 57, 2299-2313.	3.6	73
71	L-Methionine Availability Regulates Expression of the Methionine Adenosyltransferase 2A Gene in Human Hepatocarcinoma Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 19885-19890.	1.6	72
72	Leptin's mitogenic effect in human liver cancer cells requires induction of both methionine adenosyltransferase 2A and $2\hat{2}$. <i>Hepatology</i> , 2008, 47, 521-531.	3.6	72

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73	Effects of S-adenosylmethionine and methylthioadenosine on inflammation-induced colon cancer in mice. <i>Carcinogenesis</i> , 2012, 33, 427-435.	1.3	70
74	S-adenosyl methionine regulates ubiquitin-conjugating enzyme 9 protein expression and sumoylation in murine liver and human cancers. <i>Hepatology</i> , 2012, 56, 982-993.	3.6	70
75	Current status of hepatocellular carcinoma detection: screening strategies and novel biomarkers. <i>Therapeutic Advances in Medical Oncology</i> , 2019, 11, 175883591986912.	1.4	70
76	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, 608-617.	3.6	69
77	Stabilization of LKB1 and Akt by neddylation regulates energy metabolism in liver cancer. <i>Oncotarget</i> , 2015, 6, 2509-2523.	0.8	69
78	Impaired liver regeneration in mice lacking methionine adenosyltransferase 1A. <i>FASEB Journal</i> , 2004, 18, 914-916.	0.2	68
79	Mechanisms of MAFG Dysregulation in Cholestatic Liver Injury and Development of Liver Cancer. <i>Gastroenterology</i> , 2018, 155, 557-571.e14.	0.6	68
80	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.	7.2	68
81	Inhibition of lipopolysaccharide-stimulated TNF- α promoter activity by S-adenosylmethionine and 5-methylthioadenosine. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, G352-G362.	1.6	67
82	S-adenosylmethionine Levels Regulate the Schwann Cell DNA Methylome. <i>Neuron</i> , 2014, 81, 1024-1039.	3.8	67
83	S-adenosylmethionine metabolism and liver disease. <i>Annals of Hepatology</i> , 2013, 12, 183-9.	0.6	67
84	Effect of ethanol and high-fat feeding on hepatic γ -glutamylcysteine synthetase subunit expression in the rat. <i>Hepatology</i> , 1999, 30, 209-214.	3.6	66
85	Retinoid X Receptor α Regulates Glutathione Homeostasis and Xenobiotic Detoxification Processes in Mouse Liver. <i>Molecular Pharmacology</i> , 2004, 65, 550-557.	1.0	66
86	Cloning and characterization of the human glutathione synthetase 5'-flanking region. <i>Biochemical Journal</i> , 2005, 390, 521-528.	1.7	66
87	Inhibition of human betaine-homocysteine methyltransferase expression by S-adenosylmethionine and methylthioadenosine. <i>Biochemical Journal</i> , 2007, 401, 87-96.	1.7	66
88	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.	1.4	66
89	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, 1507-1516.	0.2	65
90	Quantitative proteomic analysis of hepatocyte-secreted extracellular vesicles reveals candidate markers for liver toxicity. <i>Journal of Proteomics</i> , 2014, 103, 227-240.	1.2	64

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91	Incidence of Pancreatic Cancer by Age and Sex in the US, 2000-2018. JAMA - Journal of the American Medical Association, 2021, 326, 2075.	3.8	63
92	Changes in methionine adenosyltransferase during liver regeneration in the rat. American Journal of Physiology - Renal Physiology, 1998, 275, G14-G21.	1.6	62
93	Expression Pattern, Regulation, and Functions of Methionine Adenosyltransferase 2 ¹² Splicing Variants in Hepatoma Cells. Gastroenterology, 2008, 134, 281-291.	0.6	62
94	Activation of LKB1-Akt pathway independent of phosphoinositide 3-kinase plays a critical role in the proliferation of hepatocellular carcinoma from nonalcoholic steatohepatitis. Hepatology, 2010, 52, 1621-1631.	3.6	60
95	Methionine and S-adenosylmethionine levels are critical regulators of PP2A activity modulating lipophagy during steatosis. Journal of Hepatology, 2016, 64, 409-418.	1.8	59
96	Inducers of ¹³ C-glutamylcysteine synthetase and their effects on glutathione synthetase expression. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2000, 1493, 48-55.	2.4	58
97	Inhibition of natural killer cells protects the liver against acute injury in the absence of glycine N-methyltransferase. Hepatology, 2012, 56, 747-759.	3.6	58
98	Effect of Thioacetamide on the Hepatic Expression of ¹³ C-Glutamylcysteine Synthetase Subunits in the Rat. Toxicology and Applied Pharmacology, 1999, 159, 161-168.	1.3	57
99	Hepatocyte growth factor induces MAT2A expression and histone acetylation in rat hepatocytes: role in liver regeneration 1. FASEB Journal, 2001, 15, 1248-1250.	0.2	56
100	Activation of a Novel c-Myc-miR27-Prohibitin 1 Circuitry in Cholestatic Liver Injury Inhibits Glutathione Synthesis in Mice. Antioxidants and Redox Signaling, 2015, 22, 259-274.	2.5	55
101	Fatty liver in hepatitis C patients post-sustained virological response with direct-acting antivirals. World Journal of Gastroenterology, 2018, 24, 1269-1277.	1.4	55
102	Methionine adenosyltransferases in cancers: Mechanisms of dysregulation and implications for therapy. Experimental Biology and Medicine, 2018, 243, 107-117.	1.1	54
103	Differential effect of thioacetamide on hepatic methionine adenosyltransferase expression in the rat. Hepatology, 1999, 29, 1471-1478.	3.6	53
104	NOD-like receptor C4 Inflammasome Regulates the Growth of Colon Cancer Liver Metastasis in NAFLD. Hepatology, 2019, 70, 1582-1599.	3.6	53
105	Identification of a gene-pathway associated with non-alcoholic steatohepatitis. Journal of Hepatology, 2007, 46, 708-718.	1.8	52
106	Role of promoter methylation in increased methionine adenosyltransferase 2A expression in human liver cancer. American Journal of Physiology - Renal Physiology, 2001, 280, G184-G190.	1.6	51
107	Induction of Human Methionine Adenosyltransferase 2A Expression by Tumor Necrosis Factor α . Journal of Biological Chemistry, 2003, 278, 50887-50896.	1.6	51
108	Alcohol, cofactors and the genetics of hepatocellular carcinoma. Journal of Gastroenterology and Hepatology (Australia), 2008, 23, S92-7.	1.4	51

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109	<i>S</i> -Adenosylmethionine and Methylthioadenosine Inhibit Cellular FLICE Inhibitory Protein Expression and Induce Apoptosis in Colon Cancer Cells. <i>Molecular Pharmacology</i> , 2009, 76, 192-200.	1.0	51
110	Changes in the expression of methionine adenosyltransferase genes and S-adenosylmethionine homeostasis during hepatic stellate cell activation. <i>Hepatology</i> , 2009, 51, NA-NA.	3.6	50
111	Deregulated neddylation in liver fibrosis. <i>Hepatology</i> , 2017, 65, 694-709.	3.6	50
112	15-Deoxy- γ -12,14-Prostaglandin J2 Protects against Nitrosative PC12 Cell Death through Up-regulation of Intracellular Glutathione Synthesis. <i>Journal of Biological Chemistry</i> , 2004, 279, 46263-46270.	1.6	49
113	Changes in S-adenosylmethionine and GSH homeostasis during endotoxemia in mice. <i>Laboratory Investigation</i> , 2008, 88, 1121-1129.	1.7	49
114	Mechanism and Significance of Changes in Glutamate-Cysteine Ligase Expression during Hepatic Fibrogenesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 36341-36355.	1.6	49
115	<i>S</i> -adenosylmethionine and proliferation: new pathways, new targets. <i>Biochemical Society Transactions</i> , 2008, 36, 848-852.	1.6	47
116	Comparison of sulfur amino acid utilization for GSH synthesis between HepG2 cells and cultured rat hepatocytes. <i>Biochemical Pharmacology</i> , 1994, 47, 859-869.	2.0	46
117	Cloning and characterization of the 5' flanking region of the rat glutamate-cysteine ligase catalytic subunit. <i>Biochemical Journal</i> , 2001, 357, 447-455.	1.7	45
118	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, 860-870.	3.6	44
119	Non-alcoholic fatty liver disease proteomics. <i>Proteomics - Clinical Applications</i> , 2010, 4, 362-371.	0.8	44
120	Diabetes and Racial/Ethnic Differences in Hepatocellular Carcinoma Risk: The Multiethnic Cohort. <i>Journal of the National Cancer Institute</i> , 2014, 106, dju326-dju326.	3.0	44
121	S-Adenosylmethionine increases circulating very-low density lipoprotein clearance in non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2015, 62, 673-681.	1.8	44
122	Prohibitin 1 suppresses liver cancer tumorigenesis in mice and human hepatocellular and cholangiocarcinoma cells. <i>Hepatology</i> , 2017, 65, 1249-1266.	3.6	44
123	Disparity in liver cancer incidence and chronic liver disease mortality by nativity in Hispanics: The Multiethnic Cohort. <i>Cancer</i> , 2016, 122, 1444-1452.	2.0	43
124	Sex and Ethnic Differences in the Association of Obesity With Risk of Hepatocellular Carcinoma. <i>Clinical Gastroenterology and Hepatology</i> , 2016, 14, 309-316.	2.4	43
125	The Mortality and Overall Survival Trends of Primary Liver Cancer in the United States. <i>Journal of the National Cancer Institute</i> , 2021, 113, 1531-1541.	3.0	43
126	Forced Expression of Methionine Adenosyltransferase 1A in Human Hepatoma Cells Suppresses in Vivo Tumorigenicity in Mice. <i>American Journal of Pathology</i> , 2010, 176, 2456-2466.	1.9	41

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127	Methionine adenosyltransferases in liver cancer. <i>World Journal of Gastroenterology</i> , 2019, 25, 4300-4319.	1.4	41
128	Epigallocatechin-3-gallate Inhibits Growth of Activated Hepatic Stellate Cells by Enhancing the Capacity of Glutathione Synthesis. <i>Molecular Pharmacology</i> , 2008, 73, 1465-1473.	1.0	40
129	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.	0.6	40
130	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.	1.3	40
131	Betaine prevents Mallory-Denk body formation in drug-primed mice by epigenetic mechanisms. <i>Experimental and Molecular Pathology</i> , 2009, 86, 77-86.	0.9	39
132	Deregulated methionine adenosyltransferase 1, c-Myc, and Maf proteins together promote cholangiocarcinoma growth in mice and humans. <i>Hepatology</i> , 2016, 64, 439-455.	3.6	39
133	Methionine adenosyltransferases in liver health and diseases. <i>Liver Research</i> , 2017, 1, 103-111.	0.5	39
134	Cloning and characterization of the 5'-flanking region of the rat glutamate-cysteine ligase catalytic subunit. <i>Biochemical Journal</i> , 2001, 357, 447.	1.7	38
135	Keratin mutation primes mouse liver to oxidative injury. <i>Hepatology</i> , 2005, 41, 517-525.	3.6	38
136	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.	2.7	38
137	Homocysteine, the bad thiol. <i>Hepatology</i> , 2005, 41, 976-979.	3.6	37
138	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, 1135-1144.	1.9	37
139	Modeling alcohol-associated liver disease in a human Liver-Chip. <i>Cell Reports</i> , 2021, 36, 109393.	2.9	37
140	Structure and function study of the complex that synthesizes S-adenosylmethionine. <i>IUCr</i> , 2014, 1, 240-249.	1.0	36
141	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, 35232-35239.	1.6	35
142	S-adenosylmethionine regulates dual-specificity mitogen-activated protein kinase phosphatase expression in mouse and human hepatocytes. <i>Hepatology</i> , 2010, 51, 2152-2161.	3.6	35
143	Polyamine and methionine adenosyltransferase 2A crosstalk in human colon and liver cancer. <i>Experimental Cell Research</i> , 2013, 319, 1902-1911.	1.2	35
144	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, 23161-23170.	1.6	35

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145	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, 2104-2109.	3.3	35
146	miR-873-5p targets mitochondrial GNMT-Complex II interface contributing to non-alcoholic fatty liver disease. <i>Molecular Metabolism</i> , 2019, 29, 40-54.	3.0	35
147	Impaired liver regeneration in mice lacking glycine N-methyltransferase. <i>Hepatology</i> , 2009, 50, 443-452.	3.6	34
148	Role of Methionine Adenosyltransferase Genes in Hepatocarcinogenesis. <i>Cancers</i> , 2011, 3, 1480-1497.	1.7	34
149	Histone deacetylase 4 promotes cholestatic liver injury in the absence of prohibitin-1. <i>Hepatology</i> , 2015, 62, 1237-1248.	3.6	34
150	Dysregulation of glutathione synthesis in liver disease. <i>Liver Research</i> , 2020, 4, 64-73.	0.5	33
151	Role of S-adenosylmethionine in two experimental models of pancreatitis. <i>FASEB Journal</i> , 2003, 17, 56-58.	0.2	32
152	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, 1291-1301.	3.6	32
153	Overview of extracellular microvesicles in drug metabolism. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2010, 6, 543-554.	1.5	32
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