

Conrad Wagner

List of Publications by Year in descending order

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69
papers

4,245
citations

101543

36
h-index

110387

64
g-index

69
all docs

69
docs citations

69
times ranked

5481
citing authors

#	ARTICLE	IF	CITATIONS
1	Folate deficiency affects histone methylation. <i>Medical Hypotheses</i> , 2016, 88, 63-67.	1.5	43
2	Methionine and S-adenosylmethionine levels are critical regulators of PP2A activity modulating lipophagy during steatosis. <i>Journal of Hepatology</i> , 2016, 64, 409-418.	3.7	59
3	Mudd's disease (MAT I/III deficiency): a survey of data for MAT1A homozygotes and compound heterozygotes. <i>Orphanet Journal of Rare Diseases</i> , 2015, 10, 99.	2.7	39
4	TRAIL-producing NK cells contribute to liver injury and related fibrogenesis in the context of GNMT deficiency. <i>Laboratory Investigation</i> , 2015, 95, 223-236.	3.7	29
5	S-Adenosylmethionine increases circulating very-low density lipoprotein clearance in non-alcoholic fatty liver disease. <i>Journal of Hepatology</i> , 2015, 62, 673-681.	3.7	44
6	Liver transplantation for treatment of severe S-adenosylhomocysteine hydrolase deficiency. <i>Molecular Genetics and Metabolism</i> , 2015, 116, 44-52.	1.1	31
7	Associations between S-adenosylmethionine, S-adenosylhomocysteine, and colorectal adenoma risk are modified by sex. <i>American Journal of Cancer Research</i> , 2015, 5, 458-65.	1.4	3
8	Glycine N-methyltransferase expression in the hippocampus and its role in neurogenesis and cognitive performance. <i>Hippocampus</i> , 2014, 24, 840-852.	1.9	26
9	S-adenosylmethionine Levels Regulate the Schwann Cell DNA Methylome. <i>Neuron</i> , 2014, 81, 1024-1039.	8.1	67
10	Folate in demethylation: The crystal structure of the rat dimethylglycine dehydrogenase complexed with tetrahydrofolate. <i>Biochemical and Biophysical Research Communications</i> , 2014, 449, 392-398.	2.1	14
11	Excess S-adenosylmethionine reroutes phosphatidylethanolamine towards phosphatidylcholine and triglyceride synthesis. <i>Hepatology</i> , 2013, 58, 1296-1305.	7.3	100
12	Two patients with hepatic mtDNA depletion syndromes and marked elevations of S-adenosylmethionine and methionine. <i>Molecular Genetics and Metabolism</i> , 2012, 105, 228-236.	1.1	25
13	Differences in folate-protein interactions result in differing inhibition of native rat liver and recombinant glycine N-methyltransferase by 5-methyltetrahydrofolate. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2012, 1824, 286-291.	2.3	11
14	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.	1.3	40
15	Inhibition of natural killer cells protects the liver against acute injury in the absence of glycine N-methyltransferase. <i>Hepatology</i> , 2012, 56, 747-759.	7.3	58
16	Sarcosine, Folate Metabolism and Prostate Cancer—Is There a Link?. <i>Journal of Urology</i> , 2011, 185, 385-386.	0.4	6
17	Serum Methionine Metabolites Are Risk Factors for Metastatic Prostate Cancer Progression. <i>PLoS ONE</i> , 2011, 6, e22486.	2.5	80
18	High-Frequency Ultrasound Imaging for Longitudinal Evaluation of Non-Alcoholic Fatty Liver Disease Progression in Mice. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, 1161-1169.	1.5	17

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19	<i>S</i> -adenosylhomocysteine hydrolase deficiency: two siblings with fetal hydrops and fatal outcomes. <i>Journal of Inherited Metabolic Disease</i> , 2010, 33, 705-713.	3.6	35
20	Fatty liver and fibrosis in glycine N-methyltransferase knockout mice is prevented by nicotinamide. <i>Hepatology</i> , 2010, 52, 105-114.	7.3	81
21	Candidate biomarkers in exosome-like vesicles purified from rat and mouse urine samples. <i>Proteomics - Clinical Applications</i> , 2010, 4, 416-425.	1.6	116
22	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.	3.7	144
23	HuR/Methyl-HuR and AUF1 Regulate the MAT Expressed During Liver Proliferation, Differentiation, and Carcinogenesis. <i>Gastroenterology</i> , 2010, 138, 1943-1953.e3.	1.3	113
24	Enzymatic activity of methionine adenosyltransferase variants identified in patients with persistent hypermethioninemia. <i>Molecular Genetics and Metabolism</i> , 2010, 101, 172-177.	1.1	28
25	Glycine N-Methyltransferase and Regulation of S-Adenosylmethionine Levels. <i>Journal of Biological Chemistry</i> , 2009, 284, 22507-22511.	3.4	162
26	Impaired liver regeneration in mice lacking glycine N-methyltransferase. <i>Hepatology</i> , 2009, 50, 443-452.	7.3	34
27	Loss of the glycine N-methyltransferase gene leads to steatosis and hepatocellular carcinoma in mice. <i>Hepatology</i> , 2008, 47, 1191-1199.	7.3	262
28	Acetylation of N-terminal valine of glycine N-methyltransferase affects enzyme inhibition by folate. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2008, 1784, 1342-1346.	2.3	13
29	Plasma S-Adenosylhomocysteine Versus Homocysteine as a Marker for Vascular Disease. <i>Journal of Nutrition</i> , 2008, 138, 980-980.	2.9	7
30	5-Methyltetrahydrofolate Is Bound in Intersubunit Areas of Rat Liver Folate-binding Protein Glycine N-Methyltransferase. <i>Journal of Biological Chemistry</i> , 2007, 282, 4069-4075.	3.4	24
31	S-Adenosylhomocysteine—a better indicator of vascular disease than homocysteine?. <i>American Journal of Clinical Nutrition</i> , 2007, 86, 1581-1585.	4.7	52
32	Methyl balance and transmethylation fluxes in humans. <i>American Journal of Clinical Nutrition</i> , 2007, 85, 19-25.	4.7	161
33	A simple rapid immunoassay for S-adenosylhomocysteine in plasma†. <i>Journal of Nutritional Biochemistry</i> , 2007, 18, 827-831.	4.2	15
34	Destabilization of human glycine N-methyltransferase by H176N mutation. <i>Protein Science</i> , 2007, 16, 1957-1964.	7.6	9
35	S-Adenosylhomocysteine—a better indicator of vascular disease than homocysteine?. <i>American Journal of Clinical Nutrition</i> , 2007, 86, 1581-1585.	4.7	38
36	Identification of phosphorylation sites in glycine N-methyltransferase from rat liver. <i>Protein Science</i> , 2006, 15, 785-794.	7.6	17

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37	Relationship between plasma S-adenosylhomocysteine concentration and glomerular filtration rate in children. <i>Metabolism: Clinical and Experimental</i> , 2006, 55, 252-257.	3.4	26
38	Creatine metabolism in combined methylmalonic aciduria and homocystinuria. <i>Annals of Neurology</i> , 2005, 57, 557-560.	5.3	31
39	The Methylenetetrahydrofolate Reductase 677Câ†T Polymorphism and Dietary Folate Restriction Affect Plasma One-Carbon Metabolites and Red Blood Cell Folate Concentrations and Distribution in Women. <i>Journal of Nutrition</i> , 2005, 135, 1040-1044.	2.9	38
40	The Arabidopsis HOMOLOGUE-DEPENDENT GENE SILENCING1 Gene Codes for an S-Adenosyl-L-Homocysteine Hydrolase Required for DNA Methylation-Dependent Gene Silencing. <i>Plant Cell</i> , 2005, 17, 404-417.	6.6	154
41	S-adenosylhomocysteine hydrolase deficiency in a human: A genetic disorder of methionine metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 4234-4239.	7.1	201
42	Glycine N-methyltransferases: A comparison of the crystal structures and kinetic properties of recombinant human, mouse and rat enzymes. <i>Proteins: Structure, Function and Bioinformatics</i> , 2004, 57, 331-337.	2.6	16
43	S-adenosylhomocysteine is a more sensitive indicator of renal insufficiency than homocysteine. <i>Nutrition Research</i> , 2004, 24, 487-494.	2.9	12
44	Human glycine N-methyltransferase is unfolded by urea through a compact monomer state. <i>Archives of Biochemistry and Biophysics</i> , 2003, 420, 153-160.	3.0	6
45	Effect of naturally occurring mutations in human glycine N-methyltransferase on activity and conformation. <i>Biochemical and Biophysical Research Communications</i> , 2003, 312, 1067-1072.	2.1	17
46	Regulation of Methylbenzoate Emission after Pollination in Snapdragon and Petunia Flowers. <i>Plant Cell</i> , 2003, 15, 2992-3006.	6.6	211
47	Insertional Inactivation of the Methionine S-Methyltransferase Gene Eliminates the S-Methylmethionine Cycle and Increases the Methylation Ratio. <i>Plant Physiology</i> , 2003, 131, 1808-1815.	4.8	75
48	Adenosine Kinase Deficiency Is Associated with Developmental Abnormalities and Reduced Transmethylation. <i>Plant Physiology</i> , 2002, 128, 812-821.	4.8	153
49	Elevated plasma total homocysteine in severe methionine adenosyltransferase I/III deficiency. <i>Metabolism: Clinical and Experimental</i> , 2002, 51, 981-988.	3.4	68
50	Mutations in human glycine N-methyltransferase give insights into its role in methionine metabolism. <i>Human Genetics</i> , 2002, 110, 68-74.	3.8	65
51	BIOCHEMICAL ROLE OF FOLATE IN CELLULAR METABOLISM*. <i>Clinical Research and Regulatory Affairs</i> , 2001, 18, 161-180.	2.1	60
52	Plasma S -adenosylhomocysteine is a more sensitive indicator of cardiovascular disease than plasma homocysteine. <i>American Journal of Clinical Nutrition</i> , 2001, 74, 723-729.	4.7	155
53	Impact of Extracellular Folate Levels on Global Gene Expression. <i>Molecular Pharmacology</i> , 2001, 60, 1288-1295.	2.3	156
54	Isolated hypermethioninemia: Measurements of S-adenosylmethionine and choline. <i>Metabolism: Clinical and Experimental</i> , 2000, 49, 1542-1547.	3.4	33

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55	Inhibition of Glycine N-Methyltransferase by 5-Methyltetrahydrofolate Pentaglutamate. Journal of Biological Chemistry, 1999, 274, 37559-37564.	3.4	43
56	Measurement of Plasma S-Adenosylmethionine and S-Adenosylhomocysteine as Their Fluorescent Isoindoles. Analytical Biochemistry, 1998, 264, 180-184.	2.4	63
57	Transport of Rat Liver Glycine N-Methyltransferase into Rat Liver Nuclei. Journal of Biological Chemistry, 1997, 272, 27140-27146.	3.4	22
58	Pancreatic Exocrine Secretion Is Blocked by Inhibitors of Methylation. Archives of Biochemistry and Biophysics, 1997, 345, 47-55.	3.0	41
59	ATP Depletion Affects the Phosphorylation State, Ligand Binding, and Nuclear Transport of the 4 S Polycyclic Aromatic Hydrocarbon-binding Protein in Rat Hepatoma Cells. Journal of Biological Chemistry, 1996, 271, 32551-32556.	3.4	23
60	Methyl Group Metabolism in the Pancreas of Folate-Deficient Rats. Journal of Nutrition, 1992, 122, 1391-1396.	2.9	34
61	Effect of Dietary Methyl Group Deficiency on One-Carbon Metabolism in Rats. Journal of Nutrition, 1989, 119, 612-617.	2.9	68
62	Effect of Dietary Methyl Group Deficiency on Folate Metabolism in Rats. Journal of Nutrition, 1989, 119, 618-621.	2.9	40
63	Inhibition of glycine n-methyltransferase activity by folate derivatives: Implications for regulation of methyl group metabolism. Biochemical and Biophysical Research Communications, 1985, 127, 746-752.	2.1	172
64	Enzymatic properties of dimethylglycine dehydrogenase and sarcosine dehydrogenase from rat liver. Archives of Biochemistry and Biophysics, 1985, 243, 396-407.	3.0	92
65	Measurement of a folate binding protein from rat liver cytosol by radioimmunoassay. Archives of Biochemistry and Biophysics, 1981, 208, 358-364.	3.0	29
66	Properties of Folic Acid $\hat{3}$ -Glutamyl Hydrolase (Conjugase) in Rat Bile and Plasma. Journal of Nutrition, 1981, 111, 442-449.	2.9	43
67	Purification and characterization of a folate binding protein from rat liver cytosol. Archives of Biochemistry and Biophysics, 1980, 199, 236-248.	3.0	37
68	Effect of Folacin Deficiency on Folacin-binding Proteins in the Rat. Journal of Nutrition, 1977, 107, 1937-1945.	2.9	24
69	Oxidation of C1 compounds by <i>Pseudomonas</i> sp. MS. Biochemical Journal, 1970, 116, 357-365.	3.1	34