Miklos Csala

List of Publications by Year
in descending order

82 papers	2,474 citations	172386 29 h-index	214721 47 g-index
85 all docs	85 docs citations	85 times ranked	3197 citing authors

#	Article	IF	Citations
1	Synthesis and Antiproliferative Activity of Novel Imipridoneâ€“Ferrocene Hybrids with Triazole and Alkyne Linkers. Pharmaceuticals, 2022, 15, 468.	1.7	2
2	Molecular Mechanisms Underlying the Elevated Expression of a Potentially Type 2 Diabetes Mellitus Associated SCD1 Variant. International Journal of Molecular Sciences, 2022, 23, 6221.	1.8	8
3	Different Metabolism and Toxicity of TRANS Fatty Acids, Elaidate and Vaccenate Compared to Cis-Oleate in HepG2 Cells. International Journal of Molecular Sciences, 2022, 23, 7298.	1.8	4
4	BGP-15 Protects Mitochondria in Acute, Acetaminophen Overdose Induced Liver Injury. Pathology and Oncology Research, 2020, 26, 1797-1803.	0.9	6
5	Investigation of the putative rateâ€limiting role of electron transfer in fatty acid desaturation using transfected HEK293T cells. FEBS Letters, 2020, 594, 530-539.	1.3	3
6	Effect of cis- and trans-Monounsaturated Fatty Acids on Palmitate Toxicity and on Palmitate-induced Accumulation of Ceramides and Diglycerides. International Journal of Molecular Sciences, 2020, 21, 2626.	1.8	8
7	Simultaneous Quantitative Determination of Different Ceramide and Diacylglycerol Species in Cultured Cells by Using Liquid Chromatographyâ€“Electrospray Tandem MassÂSpectrometry. Periodica Polytechnica: Chemical Engineering, 2020, 64, 421-429.	0.5	1
8	Novel Crizotinibâ€“GnRH conjugates revealed the significance of lysosomal trapping in GnRH-based drug delivery systems. International Journal of Molecular Sciences, 2019, 20, 5590.	1.8	5
9	The Potential Impact of Connexin 43 Expression on Bcl-2 Protein Level and Taxane Sensitivity in Head and Neck Cancersâ€“In Vitro Studies. Cancers, 2019, 11, 1848.	1.7	7
10	Cellular toxicity of dietary trans fatty acids and its correlation with ceramide and diglyceride accumulation. Food and Chemical Toxicology, 2019, 124, 324-335.	1.8	17
11	Microsomal preâ€receptor cortisol production is inhibited by resveratrol and epigallocatechin gallate through different mechanisms. BioFactors, 2019, 45, 236-243.	2.6	8
12	Epigallocatechin-3-Gallate (EGCG) Promotes Autophagy-Dependent Survival via Influencing the Balance of mTOR-AMPK Pathways upon Endoplasmic Reticulum Stress. Oxidative Medicine and Cellular Longevity, 2018, 2018, 1-15.	1.9	70
13	Analytical Approaches for the Quantitation of Redox-active Pyridine Dinucleotides in Biological Matrices. Periodica Polytechnica: Chemical Engineering, 2016, 60, 218-230.	0.5	4
14	Cytosolic localization of <scp>NADH</scp> cytochrome <i>b</i>₅ oxidoreductase (Ncb5or). FEBS Letters, 2016, 590, 661-671.	1.3	3
15	Novel compounds reducing IRS-1 serine phosphorylation for treatment of diabetes. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 424-428.	1.0	9
16	Composition of the redox environment of the endoplasmic reticulum and sources of hydrogen peroxide. Free Radical Biology and Medicine, 2015, 83, 331-340.	1.3	23
17	On the role of 4-hydroxynonenal in health and disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 826-838.	1.8	189
18	Metformin Attenuates Palmitate-Induced Endoplasmic Reticulum Stress, Serine Phosphorylation of IRS-1 and Apoptosis in Rat Insulinoma Cells. PLoS ONE, 2014, 9, e97868.	1.1	82

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19	Natural mutations lead to enhanced proteasomal degradation of human Ncb5or, a novel flavoheme reductase. Biochimie, 2013, 95, 1403-1410.	1.3	8
20	Minireview: Endoplasmic Reticulum Stress: Control in Protein, Lipid, and Signal Homeostasis. Molecular Endocrinology, 2013, 27, 384-393.	3.7	52
21	Inhibition of microsomal cortisol production by (â€")â€epigallocatechinâ€3â€gallate through a redox shift in the endoplasmic reticulumâ€"A potential new target for treating obesityâ€related diseases. BioFactors, 2013, 39, 534-541.	2.6	7
22	Luminal accumulation of newly synthesized morphineâ€3â€glucuronide in rat liver microsomal vesicles. BioFactors, 2013, 39, 271-278.	2.6	4
23	Lipotoxicity in the liver. World Journal of Hepatology, 2013, 5, 550.	0.8	145
24	Crosstalk and Barriers Between the Electron Carriers of the Endoplasmic Reticulum. Antioxidants and Redox Signaling, 2012, 16, 772-780.	2.5	21
25	The Endoplasmic Reticulum As the Extracellular Space Inside the Cell: Role in Protein Folding and Glycosylation. Antioxidants and Redox Signaling, 2012, 16, 1100-1108.	2.5	40
26	G6PT-H6PDH-11Î²HSD1 triad in the liver and its implication in the pathomechanism of the metabolic syndrome. World Journal of Hepatology, 2012, 4, 129.	0.8	20
27	Expression of hexose-6-phosphate dehydrogenase in rat tissues. Journal of Steroid Biochemistry and Molecular Biology, 2011, 126, 57-64.	1.2	6
28	Expression of hexose-6-phosphate dehydrogenase in rat tissues. Clinical Biochemistry, 2011, 44, S10.	0.8	1
29	Inhibition of glycoprotein synthesis in the endoplasmic reticulum as a novel anticancer mechanism of (â^')â€epigallocatechinâ€3â€gallate. BioFactors, 2011, 37, 468-476.	2.6	4
30	Decreased prereceptorial glucocorticoid activating capacity in starvation due to an oxidative shift of pyridine nucleotides in the endoplasmic reticulum. FEBS Letters, 2010, 584, 4703-4708.	1.3	9
31	Hexose-6-phosphate dehydrogenase in the endoplasmic reticulum. Biological Chemistry, 2010, 391, 1-8.	1.2	44
32	Contribution of Fructose-6-Phosphate to Glucocorticoid Activation in the Endoplasmic Reticulum: Possible Implication in the Metabolic Syndrome. Endocrinology, 2010, 151, 4830-4839.	1.4	31
33	Redox Control of Endoplasmic Reticulum Function. Antioxidants and Redox Signaling, 2010, 13, 77-108.	2.5	75
34	Participation of Low Molecular Weight Electron Carriers in Oxidative Protein Folding. International Journal of Molecular Sciences, 2009, 10, 1346-1359.	1.8	10
35	Hexose-6-phosphate dehydrogenase: linking endocrinology and metabolism in the endoplasmic reticulum. Journal of Molecular Endocrinology, 2009, 42, 283-289.	1.1	36
36	Endoplasmic reticulum stress underlying the pro-apoptotic effect of epigallocatechin gallate in mouse hepatoma cells. International Journal of Biochemistry and Cell Biology, 2009, 41, 694-700.	1.2	27

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37	Endoplasmic reticulum: nutrient sensor in physiology and pathology. Trends in Endocrinology and Metabolism, 2009, 20, 194-201.	3.1	95
38	Redoxâ€based endoplasmic reticulum dysfunction in neurological diseases. Journal of Neurochemistry, 2008, 107, 20-34.	2.1	42
39	Intraluminal hydrogen peroxide induces a permeability change of the endoplasmic reticulum membrane. FEBS Letters, 2008, 582, 4131-4136.	1.3	14
40	Metyrapone prevents cortisone-induced preadipocyte differentiation by depleting luminal NADPH of the endoplasmic reticulum. Biochemical Pharmacology, 2008, 76, 382-390.	2.0	23
41	The translocon and the non-specific transport of small molecules in the endoplasmic reticulum (Review). Molecular Membrane Biology, 2008, 25, 95-101.	2.0	22
42	Constant expression of hexose-6-phosphate dehydrogenase during differentiation of human adipose-derived mesenchymal stem cells. Journal of Molecular Endocrinology, 2008, 41, 125-133.	1.1	13
43	Transport and transporters in the endoplasmic reticulum. Biochimica Et Biophysica Acta - Biomembranes, 2007, 1768, 1325-1341.	1.4	43
44	Glucuronide transport across the endoplasmic reticulum membrane is inhibited by epigallocatechin gallate and other green tea polyphenols. International Journal of Biochemistry and Cell Biology, 2007, 39, 922-930.	1.2	20
45	Stress on redox. FEBS Letters, 2007, 581, 3634-3640.	1.3	47
46	Inhibition of hepatic glucose 6-phosphatase system by the green tea flavanol epigallocatechin gallate. FEBS Letters, 2007, 581, 1693-1698.	1.3	16
47	Endoplasmic reticulum: A metabolic compartment. FEBS Letters, 2006, 580, 2160-2165.	1.3	94
48	Cooperativity between 11Î²-hydroxysteroid dehydrogenase type 1 and hexose-6-phosphate dehydrogenase is based on a common pyridine nucleotide pool in the lumen of the endoplasmic reticulum. Molecular and Cellular Endocrinology, 2006, 248, 24-25.	1.6	34
49	Green tea flavonols inhibit glucosidase II. Biochemical Pharmacology, 2006, 72, 640-646.	2.0	44
50	Translocon pores in the endoplasmic reticulum are permeable to small anions. American Journal of Physiology - Cell Physiology, 2006, 291, 511-517.	2.1	28
51	Uncoupled Redox Systems in the Lumen of the Endoplasmic Reticulum. Journal of Biological Chemistry, 2006, 281, 4671-4677.	1.6	73
52	Application of high-performance liquid chromatographyâ€“electrospray ionizationâ€“mass spectrometry to measure microsomal membrane transport of glucuronides. Analytical Biochemistry, 2005, 342, 45-52.	1.1	7
53	Scurvy Leads to Endoplasmic Reticulum Stress and Apoptosis in the Liver of Guinea Pigs. Journal of Nutrition, 2005, 135, 2530-2534.	1.3	29
54	Characterization of sulfate transport in the hepatic endoplasmic reticulum. Archives of Biochemistry and Biophysics, 2005, 440, 173-180.	1.4	6

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55	Evidence for multiple glucuronide transporters in rat liver microsomes. Biochemical Pharmacology, 2004, 68, 1353-1362.	2.0	33
56	Glutathione transport in the endo/sarcoplasmic reticulum. BioFactors, 2003, 17, 27-35.	2.6	14
57	Role of ascorbate in oxidative protein folding. BioFactors, 2003, 17, 37-46.	2.6	59
58	Evidence for the transport of glutathione through ryanodine receptor channel type 1. Biochemical Journal, 2003, 376, 807-812.	1.7	26
59	Ethanol-dependent induction of bilirubin UDP-glucuronosyl-transferase in rat liver is mediated by Kupffer cells. Life Sciences, 2002, 70, 1205-1212.	2.0	1
60	Ascorbyl free radical and dehydroascorbate formation in rat liver endoplasmic reticulum. Journal of Bioenergetics and Biomembranes, 2002, 34, 317-323.	1.0	32
61	Role of Vitamin E in Ascorbate-Dependent Protein Thiol Oxidation in Rat Liver Endoplasmic Reticulum. Archives of Biochemistry and Biophysics, 2001, 388, 55-59.	1.4	27
62	Ryanodine Receptor Channel-Dependent Glutathione Transport in the Sarcoplasmic Reticulum of Skeletal Muscle. Biochemical and Biophysical Research Communications, 2001, 287, 696-700.	1.0	14
63	Protein-disulfide Isomerase- and Protein Thiol-dependent Dehydroascorbate Reduction and Ascorbate Accumulation in the Lumen of the Endoplasmic Reticulum. Journal of Biological Chemistry, 2001, 276, 8825-8828.	1.6	50
64	Ascorbate oxidation is a prerequisite for its transport into rat liver microsomal vesicles. Biochemical Journal, 2000, 349, 413.	1.7	10
65	Ascorbate oxidation is a prerequisite for its transport into rat liver microsomal vesicles. Biochemical Journal, 2000, 349, 413-415.	1.7	29
66	Î²-glucuronidase latency in isolated murine hepatocytes. Biochemical Pharmacology, 2000, 59, 801-805.	2.0	18
67	Induction and peroxisomal appearance of gulonolactone oxidase upon clofibrate treatment in mouse liver. FEBS Letters, 1999, 458, 359-362.	1.3	13
68	Ascorbate-mediated electron transfer in protein thiol oxidation in the endoplasmic reticulum. FEBS Letters, 1999, 460, 539-543.	1.3	33
69	Different induction of gulonolactone oxidase in aromatic hydrocarbon-responsive or -unresponsive mouse strains. FEBS Letters, 1999, 463, 345-349.	1.3	7
70	Ascorbate and Environmental Stressa. Annals of the New York Academy of Sciences, 1998, 851, 292-303.	1.8	4
71	Prostaglandin-Independent Stimulation of Interleukin-6 Production by Fibrinogen Degradation Product D in Perfused Murine Liver. Scandinavian Journal of Immunology, 1998, 48, 269-271.	1.3	16
72	Gulonolactone oxidase activity-dependent intravesicular glutathione oxidation in rat liver microsomes. FEBS Letters, 1998, 430, 293-296.	1.3	32

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73	Regulation of Glucuronidation by Glutathione Redox State through the Alteration of UDP-Glucose Supply Originating from Glycogen Metabolism. Archives of Biochemistry and Biophysics, 1997, 348, 169-173.	1.4	17
74	Ascorbate as a Substrate for Glycolysis or Gluconeogenesis. Free Radical Biology and Medicine, 1997, 23, 804-808.	1.3	18
75	Ascorbate Metabolism and Its Regulation in Animals. Free Radical Biology and Medicine, 1997, 23, 793-803.	1.3	209
76	Inhibition of glucuronidation by an acyl-CoA-mediated indirect mechanism. Biochemical Pharmacology, 1996, 52, 1127-1131.	2.0	8
77	Ascorbate synthesis-dependent glutathione consumption in mouse liver. FEBS Letters, 1996, 381, 39-41.	1.3	37
78	Glutathione depletion induces glycogenolysis dependent ascorbate synthesis in isolated murine hepatocytes. FEBS Letters, 1996, 388, 173-176.	1.3	31
79	Gluconeogenesis from ascorbic acid: ascorbate recycling in isolated murine hepatocytes. FEBS Letters, 1996, 390, 183-186.	1.3	16
80	Evidence for an UDP-glucuronic acid/phenol glucuronide antiport in rat liver microsomal vesicles. Biochemical Journal, 1996, 315, 171-176.	1.7	35
81	Fatty acyl-CoA esters and the permeability of rat liver microsomal vesicles. Biochemical Journal, 1996, 320, 343-344.	1.7	21
82	Enhancement of Interleukin-6 Production by Fibrinogen Degradation Product D in Human Peripheral Monocytes and Perfused Murine Liver. Scandinavian Journal of Immunology, 1995, 42, 175-178.	1.3	19