Citation Report
List of articles citing

Homocysteine and oxidative stress

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#	Paper	IF	Citations
148	Plasma protein aspartyl damage is increased in hemodialysis patients: studies on causes and consequences. **2004**, 15, 2747-54		33
147	Taurine protected myocardial mitochondria injury induced by hyperhomocysteinemia in rats. *Amino Acids*, **2004**, 27, 37-48	3.5	53
146	In uremia, plasma levels of anti-protein C and anti-protein S antibodies are associated with thrombosis. **2005**, 68, 1223-9		18
145	Seminal plasma levels of 15-F2-isoprostane, malondialdehyde and total homocysteine in normozoospermic and asthenozoospermic males. **2005**, 20, 86-91		5
144	Treatment of Elevated Homocysteine: A Potential Risk Factor for Vascular Disease. **2005**, 5, 125-139		
143	The protective role of vitamin E in vascular amyloid beta-mediated damage. **2005**, 38, 147-65		2
142	Alzheimer's Disease. **2005**,		7
141	Evaluation of nitric oxide and homocysteine levels in primary dysmenorrheal women in Taiwan. **2005**, 76, 2005-9		20
140	Mechanisms of homocysteine neurotoxicity in neurodegenerative diseases with special reference to dementia. **2006**, 580, 2994-3005		335
139	Interaction between Mediterranean diet and methylenetetrahydrofolate reductase C677T mutation on oxidized low density lipoprotein concentrations: the ATTICA study. **2006**, 16, 91-9		20
138	Involvement of oxidative stress in Alzheimer disease. **2006**, 65, 631-41		392
137	Maternal hyperhomocysteinaemia is a risk factor for congenital heart disease. **2006**, 113, 1412-8		75
136	Effects of short-term folic acid and/or riboflavin supplementation on serum folate and plasma total homocysteine concentrations in young Japanese male subjects. **2006**, 60, 573-9		25
135	Homocysteine increases neuronal damage in hippocampal slices receiving oxygen and glucose deprivation. **2006**, 21, 273-8		8
134	Acute stressor-selective effects on homocysteine metabolism and oxidative stress parameters in female rats. **2006**, 85, 400-7		28
133	Plasma homocysteine levels in multiple sclerosis. **2006**, 77, 189-92		68
132	Hyperhomocysteinaemia: a critical review of old and new aspects. **2007**, 8, 17-31		81

131	Protein damage and inflammation in uraemia and dialysis patients. **2007**, 22 Suppl 5, v20-36		66
130	Prospects for Antioxidant Therapy in Mild Cognitive Impairment and Alzheimer's Disease. **2007**, 451-466		2
129	Melatonin reduces protein and lipid oxidative damage induced by homocysteine in rat brain homogenates. **2007**, 102, 729-35		23
128	Oxidatively-modified and glycated proteins as candidate pro-inflammatory toxins in uremia and dialysis patients. *Amino Acids*, **2007**, 32, 573-92	3.5	27
127	Homocysteine is a potent modulator of plasma membrane electron transport systems. **2008**, 40, 45-51		11
126	Hydrogen sulfide inhibits myocardial injury induced by homocysteine in rats. *Amino Acids*, **2008**, 34, 573-85	3.5	151
125	Modification with homocysteine does not increase susceptibility of human low-density lipoprotein to iron-mediated oxidation. **2008**, 28, 615-9		
124	Effect of cysteine dosage on erythrocyte glutathione synthesis rate in a patient with cystathionine beta synthase deficiency. **2008**, 31 Suppl 3, 469-75		4
123	Hyperhomocysteinemia and occlusive vascular disease: an emergent role for fibroblast growth factor 2. **2008**, 102, 869-70		4
122	Molecular pathogenesis of Alzheimer's disease: reductionist versus expansionist approaches. *International Journal of Molecular Sciences*, **2009**, 10, 1386-406	6.3	37
121	Defective responses to oxidative stress in protein l-isoaspartyl repair-deficient Caenorhabditis elegans. **2009**, 130, 670-80		22
120	Genetic and cellular studies of oxidative stress in methylmalonic aciduria (MMA) cobalamin deficiency type C (cblC) with homocystinuria (MMACHC). **2009**, 30, 1558-66		67
119	Decrease in serum protein carbonyl groups concentration and maintained hyperhomocysteinemia in patients undergoing bariatric surgery. **2009**, 19, 321-6		28
118	Oxidative stress is increased in primary and post-polycythemia vera myelofibrosis. **2010**, 38, 1058-65		29
117	Nutritional and oxidative status in occupational obese subjects. **2010**, 4, 69-74		1
116	Modeling of Mutant Cystathionine beta-Synthase with Severity of Its Deficiency. **2010**,		
115	Neuroprotective effects of polysaccharides from wolfberry, the fruits of Lycium barbarum, against homocysteine-induced toxicity in rat cortical neurons. *Journal of Alzheimer's Disease*, **2010**, 19, 813-27	4.3	103
114	A new HPLC method for the simultaneous determination of ascorbic acid and aminothiols in human plasma and erythrocytes using electrochemical detection. **2011**, 84, 789-801		76

113	Is hyperhomocysteinemia an Alzheimer's disease (AD) risk factor, an AD marker, or neither?. **2011**, 32, 562-71		126
112	Nutritional and oxidative status in occupational obese subjects. **2011**, 4, 69-74		7
111	Homocysteine induces oxidative stress in young adult central retinal vein occlusion. **2012**, 96, 1122-6		17
110	[The role of homocysteine and methylenetetrahydrofolate reductase, methionine synthase, methionine synthase reductase polymorphisms in the development of cardiovascular diseases and hypertension]. **2012**, 153, 445-53		6
109	Homocysteine upregulates soluble epoxide hydrolase in vascular endothelium in vitro and in vivo. **2012**, 110, 808-17		72
108	Low molecular weight flaxseed protein-derived arginine-containing peptides reduced blood pressure of spontaneously hypertensive rats faster than amino acid form of arginine and native flaxseed protein. **2012**, 132, 468-75		67
107	Regulatory cross-talk of mouse liver polyamine and methionine metabolic pathways: a systemic approach to its physiopathological consequences. *Amino Acids*, **2012**, 42, 577-95	3.5	15
106	Lowering homocysteine levels with folic acid and B-vitamins do not reduce early atherosclerosis, but could interfere with cognitive decline and Alzheimer's disease. **2013**, 36, 258-62		38
105	Hydrogen sulfide attenuates neurodegeneration and neurovascular dysfunction induced by intracerebral-administered homocysteine in mice. **2013**, 252, 302-19		108
104	Oxidative stress and apoptosis in homocystinuria patients with genetic remethylation defects. **2013**, 114, 183-91		28
103	Clinical and research markers of oxidative stress in chronic kidney disease. **2013**, 18, 103-15		85
102	Early methyl donor deficiency produces severe gastritis in mothers and offspring through N-homocysteinylation of cytoskeleton proteins, cellular stress, and inflammation. **2013**, 27, 2185-97		18
101	Nongenetic risk factors and congenital heart defects. **2013**, 34, 1535-55		67
100	Role of paraoxonase-1 in the protection of hydrogen sulfide-donating sildenafil (ACS6) against homocysteine-induced neurotoxicity. **2013**, 50, 70-7		12
99	Activation of Nrf2-Antioxidant Response Element Mediated Glutamate Cysteine Ligase Expression in Hepatoma Cell line by Homocysteine. **2013**, 13, e8394		33
98	Hyperhomocysteinemia in Alzheimer's disease: the hen and the egg?. *Journal of Alzheimer's Disease*, **2013**, 33, 1097-104	4.3	23
97	Homocysteine exacerbates β-amyloid pathology, tau pathology, and cognitive deficit in a mouse model of Alzheimer disease with plaques and tangles. **2014**, 75, 851-63		81
96	Association of homocysteine with hippocampal volume independent of cerebral amyloid and vascular burden. **2014**, 35, 1519-25		52

95	Affective and inflammatory responses among orchestra musicians in performance situation. **2014**, 37, 23-9		18
94	Homocysteine contribution to DNA damage in cystathionine β-synthase-deficient patients. **2014**, 539, 270-4		17
93	Oxidative balance, homocysteine, and uric acid levels in older patients with Late Onset Alzheimer's Disease or Vascular Dementia. **2014**, 337, 156-61		66
92	Sulforaphane attenuates homocysteine-induced endoplasmic reticulum stress through Nrf-2-driven enzymes in immortalized human hepatocytes. **2014**, 62, 7477-85		19
91	The role of NMDA and mGluR5 receptors in calcium mobilization and neurotoxicity of homocysteine in trigeminal and cortical neurons and glial cells. **2014**, 129, 264-74		50
90	Mechanisms of food protein-derived antihypertensive peptides other than ACE inhibition. **2014**, 8, 45-52		100
89	Therapeutic benefits of H2S in Alzheimer's disease. **2014**, 21, 1665-9		44
88	Homocysteine-induced membrane currents, calcium responses and changes in mitochondrial potential in rat cortical neurons. **2015**, 51, 296-304		4
87	Is L-methionine a trigger factor for Alzheimer's-like neurodegeneration?: Changes in Aβ oligomers, tau phosphorylation, synaptic proteins, Wnt signaling and behavioral impairment in wild-type mice. **2015**, 10, 62		46
86	Metabonomic Evaluation of Chronic Unpredictable Mild Stress-Induced Changes in Rats by Intervention of Fluoxetine by HILIC-UHPLC/MS. **2015**, 10, e0129146		15
85	Markers of macromolecular oxidative damage in maternal serum and risk of neural tube defects in offspring. **2015**, 80, 27-32		18
84	Sodium hydrosulfide attenuates hyperhomocysteinemia rat myocardial injury through cardiac mitochondrial protection. *Molecular and Cellular Biochemistry*, **2015**, 399, 189-200	4.2	14
83	Increased homocysteine levels correlate with the communication deficit in children with autism spectrum disorder. **2015**, 229, 1031-7		25
82	Altered one-carbon metabolism in posttraumatic stress disorder. **2015**, 184, 277-85		8
81	Protective effect of sulfurous water in peripheral blood mononuclear cells of Alzheimer's disease patients. **2015**, 132, 61-7		6
80	Homocysteine in ocular diseases. **2015**, 450, 316-21		40
79	The potential physiological crosstalk and interrelationship between two sovereign endogenous amines, melatonin and homocysteine. **2015**, 139, 97-107		12
78	Methyl donor deficiency in H9c2 cardiomyoblasts induces ER stress as an important part of the proteome response. **2015**, 59, 62-72		4

77	Bovine tropical theileriosis: effects on the cardiovascular system on the basis of serum analysis. **2015**, 24, 29-33		3
76	Antioxidant, Liver Protective and Angiotensin I-converting Enzyme Inhibitory Activities of Old Laying Hen Hydrolysate in Crab Meat Analogue. **2016**, 29, 1774-1781		1
75	Homocysteine induces glyceraldehyde-3-phosphate dehydrogenase acetylation and apoptosis in the neuroblastoma cell line Neuro2a. **2016**, 49, e4543		7
74	Efficacy of Folic Acid Supplementation in Autistic Children Participating in Structured Teaching: An Open-Label Trial. *Nutrients*, **2016**, 8,	6.7	33
73	Involvement of homocysteine, homocysteine thiolactone, and paraoxonase type 1 (PON-1) in the etiology of defective human sperm function. **2016**, 4, 345-60		25
72	Homocystinuria: Therapeutic approach. **2016**, 458, 55-62		37
71	Oxidative stress and mitochondrial dysfunction are the underlying events of dopaminergic neurodegeneration in homocysteine rat model of Parkinson's disease. **2016**, 101, 48-55		46
70	Homocysteine metabolism is associated with cerebrospinal fluid levels of soluble amyloid precursor protein and amyloid beta. **2016**, 139, 324-332		18
69	Epigenetic Mechanisms as Key Regulators in Disease. **2016**, 37-66		
68	Homocysteine augments BK channel activity and decreases exocytosis of secretory granules in rat GH3 cells. **2016**, 590, 3375-3384		8
67	Homocysteine, Alcoholism, and Its Potential Epigenetic Mechanism. **2016**, 40, 2474-2481		34
66	L-DOPA-induced hyperhomocysteinemia in Parkinson's disease: Elephant in the room. *Biochimica Et Biophysica Acta - General Subjects*, **2016**, 1860, 1989-97	4	20
65	L-DOPA treatment in MPTP-mouse model of Parkinson's disease potentiates homocysteine accumulation in substantia nigra. **2016**, 628, 225-9		13
64	Potential Applications of Food Derived Bioactive Peptides in Management of Health. **2016**, 22, 377-398		30
63	Homocysteine pre-treatment increases redox capacity in both endothelial and tumor cells. **2017**, 22, 183-189		4
62	Vitamin B12 offers neuronal cell protection by inhibiting Aβ42 amyloid fibrillation. **2017**, 99, 477-482		82
61	Impact of genetic polymorphisms in key enzymes of homocysteine metabolism on the pathophysiology of sickle cell anemia. **2017**, 106, 53-61		4
60	B-vitamin and choline supplementation increases neuroplasticity and recovery after stroke. **2017**, 103, 89-100		29

59	Homocysteine modulates 5-lipoxygenase expression level via DNA methylation. **2017**, 16, 273-280		31
58	Genetic absence of ALOX5 protects from homocysteine-induced memory impairment, tau phosphorylation and synaptic pathology. **2017**, 26, 1855-1862		8
57	Homocysteine inhibits angiogenesis through cytoskeleton remodeling. **2017**, 37,		7
56	Migraine homocysteine-related: Old and new mechanisms. **2017**, 5, 137-140		8
55	Role of glutathione in the regulation of epigenetic mechanisms in disease. **2017**, 112, 36-48		61
54	Neuroprotective Effects of Simvastatin and Cilostazol in L-Methionine-Induced Vascular Dementia in Rats. **2017**, 54, 5074-5084		16
53	Adverse health effects of androgen use. **2018**, 464, 46-55		18
52	Epigallocatechin-3-Gallate Protects against Homocysteine-Induced Brain Damage in Rats. **2018**, 84, 34-41		7
51	Hydrogen Sulfide Ameliorates Developmental Impairments of Rat Offspring with Prenatal Hyperhomocysteinemia. **2018**, 2018, 2746873		14
50	Methanolic extract of attenuates hyperhomocysteinemia induced AD-like pathology and cognitive impairments in rats. **2018**, 10, 3229-3248		10
49	Hydrogen sulfide improves postischemic neoangiogenesis in the hind limb of cystathionine-synthase mutant mice via PPAR-/VEGF axis. **2018**, 6, e13858		23
48	Moringa Oleifera Alleviates Homocysteine-Induced Alzheimer's Disease-Like Pathology and Cognitive Impairments. *Journal of Alzheimer's Disease*, **2018**, 63, 1141-1159	4.3	23
47	Structural Basis of Bioactivity of Food Peptides in Promoting Metabolic Health. *Advances in Food and Nutrition Research*, **2018**, 84, 145-181	6	12
46	The anxiolytic effects of atorvastatin and simvastatin on dietary-induced increase in homocysteine levels in rats. *Molecular and Cellular Biochemistry*, **2019**, 452, 199-217	4.2	7
45	The Controversial Role of Homocysteine in Neurology: From Labs to Clinical Practice. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	93
44	Homocysteine: New Aspects of an Ancient Enigma. *Cardiology*, **2019**, 144, 36-39	1.6	5
43	Bioactive protein/peptides of flaxseed: A review. *Trends in Food Science and Technology*, **2019**, 92, 184-193	13.3	32
42	Vitamin B12 inhibits -synuclein fibrillogenesis and protects against amyloid-induced cytotoxicity. *Food and Function*, **2019**, 10, 2861-2870	6.1	15

41	B Vitamins and Fatty Acids: What Do They Share with Small Vessel Disease-Related Dementia?. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	20
40	Oxidative Stress and Inflammation in First-Episode Psychosis: A Systematic Review and Meta-analysis. *Schizophrenia Bulletin*, **2019**, 45, 742-751	1.3	71
39	Homocysteine causes vascular endothelial dysfunction by disrupting endoplasmic reticulum redox homeostasis. *Redox Biology*, **2019**, 20, 46-59	11.3	54
38	Folic Acid Protects Rat Cerebellum Against Oxidative Damage Caused by Homocysteine: the Expression of Bcl-2, Bax, and Caspase-3 Apoptotic Genes. *Neurotoxicity Research*, **2020**, 37, 564-577	4.3	16
37	Homocysteine and Mitochondria in Cardiovascular and Cerebrovascular Systems. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	24
36	The Antioxidant Role of One-Carbon Metabolism on Stroke. *Antioxidants*, **2020**, 9,	7.1	3
35	Neuroprotective and neurotoxic outcomes of androgens and estrogens in an oxidative stress environment. *Biology of Sex Differences*, **2020**, 11, 12	9.3	16
34	Hormetic-Like Effects of L-Homocysteine on Synaptic Structure, Function, and A Aggregation. *Pharmaceuticals*, **2020**, 13,	5.2	7
33	Hyperhomocysteinemia-Induced Oxidative Stress Exacerbates Cortical Traumatic Brain Injury Outcomes in Rats. *Cellular and Molecular Neurobiology*, **2021**, 41, 487-503	4.6	10
32	Hypobaria-Induced Oxidative Stress Facilitates Homocysteine Transsulfuration and Promotes Glutathione Oxidation in Rats with Mild Traumatic Brain Injury. *Journal of Central Nervous System Disease*, **2021**, 13, 1179573520988193	4.4	4
31	Homocysteine in Neurology: A Possible Contributing Factor to Small Vessel Disease. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	9
30	The Link between Exercise and Homocysteine in the Alzheimer's Disease: A Bioinformatic Network Model. *CNS and Neurological Disorders - Drug Targets*, **2021**, 20, 814-821	2.6	
29	The protective effects of pioglitazone against cognitive impairment caused by L-Methionine administration in a rat model. *CNS and Neurological Disorders - Drug Targets*, **2021**,	2.6	0
28	Advancement and prospects of production, transport, functional activity and structure-activity relationship of food-derived angiotensin converting enzyme (ACE) inhibitory peptides. *Critical Reviews in Food Science and Nutrition*, **2021**, 1-27	11.5	1
27	Neuroprotective effects of curcumin loaded solid lipid nanoparticles on homocysteine induced oxidative stress in vascular dementia. *Current Research in Behavioral Sciences*, **2021**, 2, 100029	1.7	2
26	Homocysteine levels in schizophrenia and affective disorders-focus on cognition. *Frontiers in Behavioral Neuroscience*, **2014**, 8, 343	3.5	93
25	Homocysteine and its Association with Lipid Peroxidation and Leptin in Preeclampsia. *International Journal of Biological Chemistry*, **2011**, 5, 184-192	3	2
24	Temporal Primacy of Oxidative Stress in the Pathological Cascade of Alzheimer Disease. *Oxidative Stress and Disease*, **2005**, 365-372		

23	Superoxide Dismutases in Stroke. **2007**, 121-144		
22	Relationship of Omega-3 Fatty Acids on C-Reactive Protein and Homocysteine in Haitian and African Americans with and without Type 2 Diabetes. *Journal of Nutrition & Food Sciences*, **2013**, 3,	0.5	0
21	Correlations Among the Level of Homocysteine, Antioxidant Enzymes, Antioxidant Vitamins and Lipid Peroxidation of Erythrocytes in Malignant Ovine Theileriosis. *Journal of Parasitology (Faisalabad)*, **2015**, 10, 42-49	0.1	0
20	Homocysteine can induce calcific aorta valve stenosis with or without coronary artery disease in the elderly surgical and medical measures. *Journal of Cardiology & Current Research*, **2019**, 12, 121-125	0.1	
19	Role of Oxidative Insult and Neuronal Survival in Alzheimer's and Parkinson's Diseases. **2008**, 133-148		
18	Acute myocardial infarction in a young male wrestler: A case report. *ARYA Atherosclerosis*, **2015**, 11, 366-9	0.7	7
17	A Revisit to Etiopathogenesis and Therapeutic Strategies in Alzheimer's Disease. *Current Drug Targets*, **2021**,	3	0
16	Vitamin B12 and chronic kidney disease.. *Vitamins and Hormones*, **2022**, 119, 325-353	2.5	1
15	Genetic Biomarkers of Metabolic Detoxification for Personalized Lifestyle Medicine.. *Nutrients*, **2022**, 14,	6.7	1
14	Homocysteine Metabolism Pathway Genes and Risk of Type 2 Diabetes Mellitus/Metabolic Disorders. **2022**, 115-134		
13	Effect of statin treatment on homocysteine concentrations: an updated systematic review and meta-analysis with meta-regression.. *Expert Review of Clinical Pharmacology*, **2022**,	3.8	0
12	Uric Acid and Diabetic Retinopathy: A Systematic Review and Meta-Analysis. *Frontiers in Public Health*, **2022**, 10,	6	
11	HIF1 and DROSHA are involved in MMACHC repression in hypoxia. *Biochimica Et Biophysica Acta - General Subjects*, **2022**, 1866, 130175	4	0
10	Toxic Metabolites and Inborn Errors of Amino Acid Metabolism: What One Informs about the Other. *Metabolites*, **2022**, 12, 527	5.6	1
9	Homocysteine Metabolism in Pregnancy and Developmental Impacts. *Frontiers in Cell and Developmental Biology*, 10,	5.7	0
8	Effects of four weeks lasting aerobic physical activity on cardiovascular biomarkers, oxidative stress and histomorphometric changes of heart and aorta in rats with experimentally induced hyperhomocysteinemia. *Molecular and Cellular Biochemistry*,	4.2	
7	Production, health-promoting properties and characterization of bioactive peptides from cereal and legume grains.		0
6	High Folate, Perturbed One-Carbon Metabolism and Gestational Diabetes Mellitus. **2022**, 14, 3930		1

5	Homocysteine and the Mortality of Critically Ill Patients: A Meta-Analysis. **2022**, 54, 593-603	1
4	Flaxseed Peptides and Cyclolinopeptides: A Critical Review on Proteomic Approaches, Biological Activity, and Future Perspectives.	0
3	Effect of Yoga on Dysmenorrhea in 6th Grade Elementary School Students at Rusunawa Health Center: A Quasi-Experimental Study. **2022**, 10, 2230-2235	0
2	A Sex-Specific Comparative Analysis of Oxidative Stress Biomarkers Predicting the Risk of Cardiovascular Events and All-Cause Mortality in the General Population: A Prospective Cohort Study. **2023**, 12, 690	0
1	Homocysteine—Potential Novel Diagnostic Indicator of Health and Disease in Horses. **2023**, 13, 1311	0