Theo Wallimann

List of Publications by Year
in descending order

255 papers	20,123 citations	10986 71 h-index	13379 130 g-index
259 all docs	259 docs citations	259 times ranked	13391 citing authors

#	Article	IF	Citations
1	Plasma creatine concentration is associated with incident hypertension in a cohort enriched for the presence of high urinary albumin concentration: the Prevention of Renal and Vascular Endstage Disease study. Journal of Hypertension, 2022, 40, 229-239.	0.5	4
2	Supplementing Soy-Based Diet with Creatine in Rats: Implications for Cardiac Cell Signaling and Response to Doxorubicin. Nutrients, 2022, 14, 583.	4.1	2
3	Plasma creatine and incident type 2 diabetes in a general populationâ€based cohort: The PREVEND study. Clinical Endocrinology, 2021, 94, 563-574.	2.4	11
4	Creatine homeostasis and protein energy wasting in hemodialysis patients. Journal of Translational Medicine, 2021, 19, 115.	4.4	6
5	Creatine Supplementation for Patients with Inflammatory Bowel Diseases: A Scientific Rationale for a Clinical Trial. Nutrients, 2021, 13, 1429.	4.1	15
6	Chronic Dialysis Patients Are Depleted of Creatine: Review and Rationale for Intradialytic Creatine Supplementation. Nutrients, 2021, 13, 2709.	4.1	7
7	Regulation | Metabolite Channeling in Energy Metabolism. , 2021, , 592-598.		0
8	Role of creatine and creatine kinase in UCP1-independent adipocyte thermogenesis. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E944-E946.	3.5	14
9	Intradialytic creatine supplementation: A scientific rationale for improving the health and quality of life of dialysis patients. Medical Hypotheses, 2017, 99, 1-14.	1.5	22
10	The effects of creatine supplementation on striatal neural progenitor cells depend on developmental stage. Amino Acids, 2016, 48, 1913-1927.	2.7	5
11	Creatine: a miserable life without it. Amino Acids, 2016, 48, 1739-1750.	2.7	23
12	Creatine supplementation improves neural progenitor cell survival in Huntington's disease. Brain Circulation, 2016, 2, 133.	1.8	7
13	The extended, dynamic mitochondrial reticulum in skeletal muscle and the creatine kinase (CK)/phosphocreatine (PCr) shuttle are working hand in hand for optimal energy provision. Journal of Muscle Research and Cell Motility, 2015, 36, 297-300.	2.0	13
14	Modular organization of cardiac energy metabolism: energy conversion, transfer and feedback regulation. Acta Physiologica, 2015, 213, 84-106.	3.8	43
15	Systems Level Regulation of Cardiac Energy Fluxes Via Metabolic Cycles: Role of Creatine, Phosphotransfer Pathways, and AMPK Signaling. Springer Series in Biophysics, 2014, , 261-320.	0.4	8
16	Comment on â€œtoxic hepatitis in a group of 20 male body-builders taking dietary supplementsâ€•by Timcheh-Hariri et al. (2012). Food and Chemical Toxicology, 2013, 51, 453-454.	3.6	3
17	A short review on creatineâ€“creatine kinase system in relation to cancer and some experimental results on creatine as adjuvant in cancer therapy. Amino Acids, 2012, 42, 2319-2330.	2.7	55
18	Phosphocreatine Interacts with Phospholipids, Affects Membrane Properties and Exerts Membrane-Protective Effects. PLoS ONE, 2012, 7, e43178.	2.5	61

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19	The creatine kinase system and pleiotropic effects of creatine. Amino Acids, 2011, 40, 1271-1296.	2.7	543
20	Molecular System Bioenergics of the Heart: Experimental Studies of Metabolic Compartmentation and Energy Fluxes versus Computer Modeling. International Journal of Molecular Sciences, 2011, 12, 9296-9331.	4.1	33
21	PKA phosphorylates and inactivates AMPKÎ± to promote efficient lipolysis. EMBO Journal, 2010, 29, 469-481.	7.8	235
22	Creatine kinases: a cornerstone for structural research in the phosphagen kinase family. FASEB Journal, 2010, 24, 7-7.	0.5	8
23	Where Have the Fluxes Gone?. Journal of Biological Chemistry, 2010, 285, le21.	3.4	3
24	Regulation of the creatine transporter by AMP-activated protein kinase in kidney epithelial cells. American Journal of Physiology - Renal Physiology, 2010, 299, F167-F177.	2.7	57
25	A versatile multidimensional protein purification system with full Internet remote control based on a standard HPLC system. BioTechniques, 2009, 46, ix-xii.	1.8	22
26	Homo-oligomerization and Activation of AMP-activated Protein Kinase Are Mediated by the Kinase Domain Î±G-Helix. Journal of Biological Chemistry, 2009, 284, 27425-27437.	3.4	25
27	Developmental changes in the expression of creatine synthesizing enzymes and creatine transporter in a precocial rodent, the spiny mouse. BMC Developmental Biology, 2009, 9, 39.	2.1	55
28	Tracking and quantification of 32P-labeled phosphopeptides in liquid chromatography matrix-assisted laser desorption/ionization mass spectrometry. Analytical Biochemistry, 2009, 390, 141-148.	2.4	17
29	Development and performance of an enzyme immunoassay to detect creatine kinase isoenzyme MB activity using anti-mitochondrial creatine kinase monoclonal antibodies. Scandinavian Journal of Clinical and Laboratory Investigation, 2009, 69, 687-695.	1.2	16
30	Protective Effect of the Energy Precursor Creatine Against Toxicity of Glutamate and Î²-Amyloid in Rat Hippocampal Neurons. Journal of Neurochemistry, 2008, 74, 1968-1978.	3.9	200
31	Progressive decrease of phosphocreatine, creatine and creatine kinase in skeletal muscle upon transformation to sarcoma. FEBS Journal, 2008, 275, 3236-3247.	4.7	44
32	Enzymes of creatine biosynthesis, arginine and methionine metabolism in normal and malignant cells. FEBS Journal, 2008, 275, 5899-5909.	4.7	31
33	European research needs a dash of anarchy. Nature, 2008, 453, 850-850.	27.8	2
34	Ammonium alters creatine transport and synthesis in a 3D culture of developing brain cells, resulting in secondary cerebral creatine deficiency. European Journal of Neuroscience, 2008, 27, 1673-1685.	2.6	52
35	Metabolic Compartmentation â€“ A System Level Property of Muscle Cells. International Journal of Molecular Sciences, 2008, 9, 751-767.	4.1	87
36	Creatine supplementation stimulates collagen type I and osteoprotegerin secretion of healthy and osoteopenic primary human osteoblast-like cells in vitro. Bone, 2008, 42, S21-S22.	2.9	2

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37	Functions and effects of creatine in the central nervous system. Brain Research Bulletin, 2008, 76, 329-343.	3.0	303
38	Dietary Phytoestrogens Activate AMP-Activated Protein Kinase With Improvement in Lipid and Glucose Metabolism. Diabetes, 2008, 57, 1176-1185.	0.6	177
39	Structural Properties of AMP-activated Protein Kinase. Journal of Biological Chemistry, 2008, 283, 18331-18343.	3.4	82
40	An automated home-built low-cost fermenter suitable for large-scale bacterial expression of proteins in Escherichia coli. BioTechniques, 2008, 45, 187-189.	1.8	4
41	Hair Bundles Are Specialized for ATP Delivery via Creatine Kinase. Neuron, 2007, 53, 371-386.	8.1	114
42	Cardiolipin Clusters and Membrane Domain Formation Induced by Mitochondrial Proteins. Journal of Molecular Biology, 2007, 365, 968-980.	4.2	98
43	The Creatine Kinase Phosphotransfer Network: Thermodynamic and Kinetic Considerations, the Impact of the Mitochondrial Outer Membrane and Modelling Approaches. , 2007, 46, 27-65.		57
44	New Candidate Targets of AMP-Activated Protein Kinase in Murine Brain Revealed by a Novel Multidimensional Substrate-Screen for Protein Kinases. Journal of Proteome Research, 2007, 6, 3266-3277.	3.7	31
45	Novel Lipid Transfer Property of Two Mitochondrial Proteins that Bridge the Inner and Outer Membranes. Biophysical Journal, 2007, 92, 126-137.	0.5	71
46	Reduced creatine-stimulated respiration in doxorubicin challenged mitochondria: Particular sensitivity of the heart. Biochimica Et Biophysica Acta - Bioenergetics, 2007, 1767, 1276-1284.	1.0	34
47	Creatine treatment promotes differentiation of GABA-ergic neuronal precursors in cultured fetal rat spinal cord. Journal of Neuroscience Research, 2007, 85, 1863-1875.	2.9	27
48	Improved Reperfusion and Neuroprotection by Creatine in a Mouse Model of Stroke. Journal of Cerebral Blood Flow and Metabolism, 2007, 27, 452-459.	4.3	109
49	Creatine promotes the GABAergic phenotype in human fetal spinal cord cultures. Brain Research, 2007, 1137, 50-57.	2.2	17
50	Creatine and Creatine Kinase in Health and Disease â€“ A Bright Future Ahead?. , 2007, 46, 309-334.		36
51	Brain-type creatine kinase BB-CK interacts with the Golgi Matrix Protein GM130 in early prophase. Molecular and Cellular Biochemistry, 2007, 297, 53-64.	3.1	12
52	Inhibition of cytosolic and mitochondrial creatine kinase by siRNA in HaCaT- and HeLaS3-cells affects cell viability and mitochondrial morphology. Molecular and Cellular Biochemistry, 2007, 306, 153-162.	3.1	23
53	Co-expression of LKB1, MO25Î± and STRADÎ± in bacteria yield the functional and active heterotrimeric complex. Molecular Biotechnology, 2007, 36, 220-231.	2.4	25
54	Introduction â€“ Creatine: Cheap Ergogenic Supplement with Great Potential for Health and Disease. , 2007, 46, 1-16.		23

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55	Mitochondrial creatine kinase in human health and disease. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2006, 1762, 164-180.	3.8	501
56	Alterations in myocardial energy metabolism induced by the anti-cancer drug doxorubicin. Comptes Rendus - Biologies, 2006, 329, 657-668.	0.2	78
57	Stabilization of ubiquitous mitochondrial creatine kinase preprotein by APP family proteins. Molecular and Cellular Neurosciences, 2006, 31, 263-272.	2.2	19
58	Creatine and neurotrophin-4/5 promote survival of nitric oxide synthase-expressing interneurons in striatal cultures. Neuroscience Letters, 2006, 395, 57-62.	2.1	11
59	New insights into doxorubicin-induced cardiotoxicity: The critical role of cellular energetics. Journal of Molecular and Cellular Cardiology, 2006, 41, 389-405.	1.9	298
60	Effects of N-linked glycosylation on the creatine transporter. Biochemical Journal, 2006, 393, 459-469.	3.7	33
61	Cardiac system bioenergetics: metabolic basis of the Frank-Starling law. Journal of Physiology, 2006, 571, 253-273.	2.9	212
62	Molecular system bioenergetics: regulation of substrate supply in response to heart energy demands. Journal of Physiology, 2006, 577, 769-777.	2.9	61
63	AMPK-Mediated AS160 Phosphorylation in Skeletal Muscle Is Dependent on AMPK Catalytic and Regulatory Subunits. Diabetes, 2006, 55, 2051-2058.	0.6	239
64	The Creatine Kinase/Creatine Connection to Alzheimer's Disease: CK Inactivation, APP-CK Complexes and Focal Creatine Deposits. Journal of Biomedicine and Biotechnology, 2006, 2006, 1-11.	3.0	83
65	Insulin Antagonizes Ischemia-induced Thr172 Phosphorylation of AMP-activated Protein Kinase Î±-Subunits in Heart via Hierarchical Phosphorylation of Ser485/491. Journal of Biological Chemistry, 2006, 281, 5335-5340.	3.4	308
66	Dissecting the Role of 5â€²-AMP for Allosteric Stimulation, Activation, and Deactivation of AMP-activated Protein Kinase. Journal of Biological Chemistry, 2006, 281, 32207-32216.	3.4	393
67	Macroenzyme Creatine Kinase (Ck) Type 2 in HIV-Infected Patients is Significantly Associated with Tdf and Consists of Ubiquitous Mitochondrial Ck. Antiviral Therapy, 2006, 11, 1071-1080.	1.0	10
68	Octameric mitochondrial creatine kinase induces and stabilizes contact sites between the inner and outer membrane. Biochemical Journal, 2005, 385, 445-450.	3.7	72
69	Effects of creatine treatment on survival and differentiation of GABA-ergic neurons in cultured striatal tissue. Journal of Neurochemistry, 2005, 95, 33-45.	3.9	51
70	Calcium and energy transfer. Journal of Physiology, 2005, 565, 703-703.	2.9	1
71	Creatine synthesis and transport during rat embryogenesis: spatiotemporal expression of AGAT, GAMT and CT1. BMC Developmental Biology, 2005, 5, 9.	2.1	109
72	Acute toxicity of doxorubicin on isolated perfused heart: response of kinases regulating energy supply. American Journal of Physiology - Heart and Circulatory Physiology, 2005, 289, H37-H47.	3.2	122

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73	Creatine Supplementation Improves Dopaminergic Cell Survival and Protects against MPP+ Toxicity in an Organotypic Tissue Culture System. Cell Transplantation, 2005, 14, 537-550.	2.5	53
74	Dual Mechanisms Regulating AMPK Kinase Action in the Ischemic Heart. Circulation Research, 2005, 96, 337-345.	4.5	95
75	The Creatine Kinase System in Human Skin: Protective Effects of Creatine Against Oxidative and UV Damage In Vitro and In Vivo. Journal of Investigative Dermatology, 2005, 124, 443-452.	0.7	78
76	Effects of creatine treatment on the survival of dopaminergic neurons in cultured fetal ventral mesencephalic tissue. Neuroscience, 2005, 133, 701-713.	2.3	71
77	C-terminal Lysines Determine Phospholipid Interaction of Sarcomeric Mitochondrial Creatine Kinase. Journal of Biological Chemistry, 2004, 279, 24334-24342.	3.4	63
78	Creatine transporters: A reappraisal. Molecular and Cellular Biochemistry, 2004, 256, 407-424.	3.1	65
79	Higher respiratory rates and improved creatine stimulation in brain mitochondria isolated with anti-oxidants. Mitochondrion, 2004, 4, 49-57.	3.4	12
80	Metabolite Channeling: Creatine Kinase Microcompartments. , 2004, , 646-651.		16
81	Functional expression of arginine kinase improves recovery from pH stress of Escherichia coli. Biotechnology Letters, 2003, 25, 1013-1017.	2.2	27
82	Title is missing!. Molecular and Cellular Biochemistry, 2003, 244, 159-166.	3.1	39
83	LKB1 Is the Upstream Kinase in the AMP-Activated Protein Kinase Cascade. Current Biology, 2003, 13, 2004-2008.	3.9	1,456
84	Mammalian AMP-activated protein kinase: functional, heterotrimeric complexes by co-expression of subunits in Escherichia coli. Protein Expression and Purification, 2003, 30, 230-237.	1.3	126
85	Effects of creatine supplementation in cystic fibrosis: results of a pilot study. Journal of Cystic Fibrosis, 2003, 2, 177-182.	0.7	14
86	Muscle-type Creatine Kinase Interacts with Central Domains of the M-band Proteins Myomesin and M-protein. Journal of Molecular Biology, 2003, 332, 877-887.	4.2	88
87	Identification of Phosphorylation Sites in AMP-activated Protein Kinase (AMPK) for Upstream AMPK Kinases and Study of Their Roles by Site-directed Mutagenesis. Journal of Biological Chemistry, 2003, 278, 28434-28442.	3.4	204
88	Inhibition of the Mitochondrial Permeability Transition by Creatine Kinase Substrates. Journal of Biological Chemistry, 2003, 278, 17760-17766.	3.4	192
89	Differential Effects of Peroxynitrite on Human Mitochondrial Creatine Kinase Isoenzymes. Journal of Biological Chemistry, 2003, 278, 1125-1130.	3.4	61
90	Rapid Suppression of Mitochondrial Permeability Transition by Methylglyoxal. Journal of Biological Chemistry, 2003, 278, 34757-34763.	3.4	55

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91	Science and Security: A European View. Science, 2003, 301, 462c-463.	12.6	0
92	Creatine transporter activity and content in the rat heart supplemented by and depleted of creatine. American Journal of Physiology - Endocrinology and Metabolism, 2003, 284, E399-E406.	3.5	47
93	A molecular approach to the concerted action of kinases involved in energy homoeostasis. Biochemical Society Transactions, 2003, 31, 169-174.	3.4	69
94	Acute and moderate-term creatine monohydrate supplementation does not affect creatine transporter mRNA or protein content in either young or elderly humans. , 2003, , 159-166.		13
95	Acute and moderate-term creatine monohydrate supplementation does not affect creatine transporter mRNA or protein content in either young or elderly humans. Molecular and Cellular Biochemistry, 2003, 244, 159-66.	3.1	15
96	An increase in the myocardial PCr/ATP ratio in GLUT4 null mice. FASEB Journal, 2002, 16, 613-615.	0.5	50
97	Novel Mitochondrial Creatine Transport Activity. Journal of Biological Chemistry, 2002, 277, 37503-37511.	3.4	36
98	Functional Expression of Phosphagen Kinase Systems Confers Resistance to Transient Stresses in Saccharomyces cerevisiae by Buffering the ATP Pool. Journal of Biological Chemistry, 2002, 277, 31303-31309.	3.4	40
99	Multiple Interference of Anthracyclines with Mitochondrial Creatine Kinases: Preferential Damage of the Cardiac Isoenzyme and Its Implications for Drug Cardiotoxicity. Molecular Pharmacology, 2002, 61, 516-523.	2.3	64
100	Mutation of conserved active-site threonine residues in creatine kinase affects autophosphorylation and enzyme kinetics. Biochemical Journal, 2002, 363, 785.	3.7	9
101	Expression of creatine kinase isoenzyme genes during postnatal development of rat brain cerebellum: evidence for transcriptional regulation. Biochemical Journal, 2002, 367, 369-380.	3.7	26
102	Mutation of conserved active-site threonine residues in creatine kinase affects autophosphorylation and enzyme kinetics. Biochemical Journal, 2002, 363, 785-792.	3.7	13
103	Neuroprotection of Creatine Supplementation in Neonatal Rats with Transient Cerebral Hypoxia-Ischemia. Developmental Neuroscience, 2002, 24, 382-388.	2.0	78
104	New creatine transporter assay and identification of distinct creatine transporter isoforms in muscle. American Journal of Physiology - Endocrinology and Metabolism, 2002, 283, E390-E401.	3.5	27
105	Creatine supplementation reduces skeletal muscle degeneration and enhances mitochondrial function in mdx mice. Neuromuscular Disorders, 2002, 12, 174-182.	0.6	116
106	Isoenzyme-directed selection and characterization of anti-creatine kinase single chain Fv antibodies from a human phage display library. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2002, 1579, 124-132.	2.4	16
107	Reduced creatine kinase activity in transgenic amyotrophic lateral sclerosis mice. Free Radical Biology and Medicine, 2002, 32, 920-926.	2.9	57
108	Creatine Kinase and Creatine Transporter in Normal, Wounded, and Diseased Skin. Journal of Investigative Dermatology, 2002, 118, 416-423.	0.7	67

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109	Protective effects of oral creatine supplementation on spinal cord injury in rats. Spinal Cord, 2002, 40, 449-456.	1.9	55
110	Human, rat and chicken small intestinal Na+â€Clâˆ’â€creatine transporter: functional, molecular characterization and localization. Journal of Physiology, 2002, 545, 133-144.	2.9	81
111	Expressing creatine kinase in transgenic tobacco â€“ a first step towards introducing an energy buffering system in plants. Transgenic Research, 2002, 11, 49-59.	2.4	7
112	Functional aspects of creatine kinase isoenzymes in endothelial cells. American Journal of Physiology - Cell Physiology, 2001, 281, C320-C328.	4.6	26
113	Creatine transporter protein content, localization, and gene expression in rat skeletal muscle. American Journal of Physiology - Cell Physiology, 2001, 280, C415-C422.	4.6	47
114	Mitochondrial Creatine Kinase in Contact Sites: Interaction with Porin and Adenine Nucleotide Translocase, Role in Permeability Transition and Sensitivity to Oxidative Damage. NeuroSignals, 2001, 10, 93-111.	0.9	99
115	Mitochondrial Creatine Kinase and Mitochondrial Outer Membrane Porin Show a Direct Interaction That Is Modulated by Calcium. Journal of Biological Chemistry, 2001, 276, 48027-48030.	3.4	92
116	Creatine transporter and mitochondrial creatine kinase protein content in myopathies. Muscle and Nerve, 2001, 24, 682-688.	2.2	82
117	Hodgkin diseaseâ€derived cell lines expressing ubiquitous mitochondrial creatine kinase show growth inhibition by cyclocreatine treatment independent of apoptosis. International Journal of Cancer, 2001, 94, 513-519.	5.1	22
118	Crystal structure of human ubiquitous mitochondrial creatine kinase. , 2000, 39, 216-225.		73
119	Vacuolar morphology and cell cycle distribution are modified by leucine limitation in auxotrophic Saccharomyces cerevisiae. Biology of the Cell, 2000, 92, 629-637.	2.0	12
120	Why is creatine kinase a dimer? Evidence for cooperativity between the two subunits. BBA - Proteins and Proteomics, 2000, 1480, 365-373.	2.1	39
121	A quantitative approach to membrane binding of human ubiquitous mitochondrial creatine kinase using surface plasmon resonance. Journal of Bioenergetics and Biomembranes, 2000, 32, 123-131.	2.3	32
122	Coupling of creatine kinase to glycolytic enzymes at the sarcomeric I-band of skeletal muscle: a biochemical study in situ. Journal of Muscle Research and Cell Motility, 2000, 21, 691-703.	2.0	63
123	Isoenzyme-Specific Interaction of Muscle-Type Creatine Kinase with the Sarcomeric M-Line Is Mediated by Nh2-Terminal Lysine Charge-Clamps. Journal of Cell Biology, 2000, 149, 1225-1234.	5.2	78
124	Octamers of Mitochondrial Creatine Kinase Isoenzymes Differ in Stability and Membrane Binding. Journal of Biological Chemistry, 2000, 275, 17314-17320.	3.4	98
125	Divergent Enzyme Kinetics and Structural Properties of the Two Human Mitochondrial Creatine Kinase Isoenzymes. Biological Chemistry, 2000, 381, 1063-70.	2.5	44
126	Direct Evidence for the Control of Mitochondrial Respiration by Mitochondrial Creatine Kinase in Oxidative Muscle Cells in Situ. Journal of Biological Chemistry, 2000, 275, 6937-6944.	3.4	134

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127	A Conserved Negatively Charged Cluster in the Active Site of Creatine Kinase Is Critical for Enzymatic Activity. Journal of Biological Chemistry, 2000, 275, 27094-27099.	3.4	29
128	Bt Toxin: Assessing GM Strategies. Science, 2000, 287, 41c-41.	12.6	7
129	Downregulation of the Na ⁺ -Creatine Cotransporter in Failing Human Myocardium and in Experimental Heart Failure. Circulation, 1999, 100, 1847-1850.	1.6	126
130	Stimulation of mitochondrial gene expression and proliferation of mitochondria following impairment of cellular energy transfer by inhibition of the phosphocreatine circuit in rat hearts. Journal of Bioenergetics and Biomembranes, 1999, 31, 559-567.	2.3	46
131	Nucleotide binding to creatine kinase: an isothermal titration microcalorimetry study. FEBS Letters, 1999, 461, 111-114.	2.8	16
132	Octamer-dimer Transitions of Mitochondrial Creatine Kinase in Heart Disease. Journal of Molecular and Cellular Cardiology, 1999, 31, 857-866.	1.9	57
133	Crystallization of the Human, Mitochondrial Voltage-Dependent Anion-Selective Channel in the Presence of Phospholipids. Journal of Structural Biology, 1999, 127, 64-71.	2.8	64
134	Free radical-induced inactivation of creatine kinase: influence on the octameric and dimeric states of the mitochondrial enzyme (Mib-CK). Biochemical Journal, 1999, 344, 413-417.	3.7	52
135	Free radical-induced inactivation of creatine kinase: influence on the octameric and dimeric states of the mitochondrial enzyme (Mib-CK). Biochemical Journal, 1999, 344, 413.	3.7	24
136	Crystal structure of brainâ€type creatine kinase at 1.41 Ã… resolution. Protein Science, 1999, 8, 2258-2269.	7.6	83
137	Title is missing!. Molecular and Cellular Biochemistry, 1998, 184, 141-151.	3.1	44
138	Title is missing!. Molecular and Cellular Biochemistry, 1998, 184, 125-140.	3.1	91
139	Title is missing!. , 1998, 184, 427-437.		118
140	Some new aspects of creatine kinase (CK): compartmentation, structure, function and regulation for cellular and mitochondrial bioenergetics and physiology. BioFactors, 1998, 8, 229-234.	5.4	206
141	The molecular structure of mitochondrial contact sites. Their role in regulation of energy metabolism and permeability transition. BioFactors, 1998, 8, 235-242.	5.4	139
142	The isoenzyme-diagnostic regions of muscle-type creatine kinase, the M-260 and M-300 box, are not responsible for its binding to the myofibrillar M-band. European Journal of Cell Biology, 1998, 77, 1-9.	3.6	14
143	Creatine kinase: An enzyme with a central role in cellular energy metabolism. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1998, 6, 116-119.	2.0	62
144	Creatine kinase: An enzyme with a central role in cellular energy metabolism. Magnetic Resonance Materials in Physics, Biology, and Medicine, 1998, 6, 116-119.	2.0	1

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145	Reconstituted adenine nucleotide translocase forms a channel for small molecules comparable to the mitochondrial permeability transition pore. FEBS Letters, 1998, 426, 97-101.	2.8	140
146	Creatine supplementation improves intracellular Ca2+handling and survival inmdxskeletal muscle cells. FEBS Letters, 1998, 439, 357-362.	2.8	108
147	Structural Changes of Creatine Kinase upon Substrate Binding. Biophysical Journal, 1998, 75, 1016-1023.	0.5	70
148	Mitochondrial Creatine Kinase Is a Prime Target of Peroxynitrite-induced Modification and Inactivation. Journal of Biological Chemistry, 1998, 273, 16694-16699.	3.4	170
149	Mutation of cis-proline 207 in mitochondrial creatine kinase to alanine leads to increased acid stability. Protein Engineering, Design and Selection, 1998, 11, 563-568.	2.1	8
150	Brain ATP Metabolism in Hypoxia Resistant Mice Fed Guanidinopropionic Acid. Developmental Neuroscience, 1998, 20, 469-477.	2.0	15
151	Creatine supplementation in health and disease. Effects of chronic creatine ingestion in vivo: Down-regulation of the expression of creatine transporter isoforms in skeletal muscle. , 1998, , 427-437.		43
152	Oligomeric state and membrane binding behaviour of creatine kinase isoenzymes: Implications for cellular function and mitochondrial structure. , 1998, , 141-151.		1
153	Functional aspects of the X-ray structure of mitochondrial creatine kinase: A molecular physiology approach. , 1998, , 125-140.		1
154	Functions of Creatine Kinase Isoenzymes in Spermatozoa. Advances in Developmental Biology (1992), 1997, , 275-312.	1.1	24
155	Activation of sea-urchin sperm motility is accompanied by an increase in the creatine kinase exchange flux. Biochemical Journal, 1997, 325, 411-416.	3.7	41
156	The role of creatine kinase in inhibition of mitochondrial permeability transition. FEBS Letters, 1997, 414, 253-257.	2.8	219
157	In vivo brain phosphocreatine and ATP regulation in mice fed a creatine analog. American Journal of Physiology - Cell Physiology, 1997, 272, C1567-C1577.	4.6	33
158	Metabolic support of Na+ pump in apically permeabilized A6 kidney cell epithelia: role of creatine kinase. American Journal of Physiology - Cell Physiology, 1997, 272, C697-C706.	4.6	42
159	Title is missing!. Molecular and Cellular Biochemistry, 1997, 174, 283-289.	3.1	20
160	The active site histidines of creatine kinase. A critical role of His 61 situated on a flexible loop. Protein Science, 1997, 6, 331-339.	7.6	25
161	Mitochondrial intermembrane inclusion bodies: The common denominator between human mitochondrial myopathies and creatine depletion, due to impairment of cellular energetics. , 1997, , 283-289.		6
162	Membrane-Binding and Lipid Vesicle Cross-Linking Kinetics of the Mitochondrial Creatine Kinase Octamerâ€. Biochemistry, 1996, 35, 15522-15528.	2.5	55

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163	The in vitro kinetics of mitochondrial and cytosolic creatine kinase determined by saturation transfer 31P-NMR. Biochimica Et Biophysica Acta - Bioenergetics, 1996, 1274, 59-66.	1.0	23
164	Differential effects of creatine depletion on the regulation of enzyme activities and on creatine-stimulated mitochondrial respiration in skeletal muscle, heart, and brain. Biochimica Et Biophysica Acta - Bioenergetics, 1996, 1276, 161-170.	1.0	117
165	'Hot Spots' of Creatine Kinase Localization in Brain: Cerebellum, Hippocampus and Choroid Plexus. Developmental Neuroscience, 1996, 18, 542-554.	2.0	89
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168	Reconstitution of active octameric mitochondrial creatine kinase from two genetically engineered fragments. Protein Science, 1996, 5, 320-330.	7.6	28
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171	Re-evaluation of the structure and physiological function of guanidino kinases in fruitfly (Drosophila), sea urchin (Psammechinus miliaris) and man. Biochemical Journal, 1995, 309, 255-261.	3.7	43
172	Autophosphorylation of creatine kinase: characterization and identification of a specifically phosphorylated peptide. BBA - Proteins and Proteomics, 1995, 1251, 81-90.	2.1	21
173	Multiple-state equilibrium unfolding of guanidino kinases. Biochemistry, 1995, 34, 10350-10357.	2.5	68
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