Rb Rucker Or R Rucker

List of Publications by Year
in descending order

63 papers	2,474 citations	318942 23 h-index	223390 49 g-index
65 all docs	65 docs citations	65 times ranked	2771 citing authors

#	Article	IF	Citations
1	Enzymatic and nonenzymatic crossâ€linking of collagen and elastin. FASEB Journal, 1992, 6, 2439-2449.	0.2	408
2	HPLC Method for the Quantification of Procyanidins in Cocoa and Chocolate Samples and Correlation to Total Antioxidant Capacity. Journal of Agricultural and Food Chemistry, 1999, 47, 4184-4188.	2.4	360
3	Pyrroloquinoline Quinone Stimulates Mitochondrial Biogenesis through cAMP Response Element-binding Protein Phosphorylation and Increased PGC-1Î± Expression. Journal of Biological Chemistry, 2010, 285, 142-152.	1.6	187
4	Physiological Importance of Quinoenzymes and the O-Quinone Family of Cofactors. Journal of Nutrition, 2000, 130, 719-727.	1.3	123
5	Neurulation and neurite extension require the zinc transporter ZIP12 (slc39a12). Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9903-9908.	3.3	109
6	Dietary pyrroloquinoline quinone (PQQ) alters indicators of inflammation and mitochondrial-related metabolism in human subjects. Journal of Nutritional Biochemistry, 2013, 24, 2076-2084.	1.9	99
7	Pyrroloquinoline Quinone Modulates Mitochondrial Quantity and Function in Mice. Journal of Nutrition, 2006, 136, 390-396.	1.3	91
8	Dietary Pyrroloquinoline Quinone: Growth and Immune Response in BALB/c Mice. Journal of Nutrition, 1994, 124, 744-753.	1.3	84
9	Developmental Consequences of Trace Mineral Deficiencies in Rodents: Acute and Long-Term Effects. Journal of Nutrition, 2003, 133, 1477S-1480S.	1.3	79
10	Altering Pyrroloquinoline Quinone Nutritional Status Modulates Mitochondrial, Lipid, and Energy Metabolism in Rats. PLoS ONE, 2011, 6, e21779.	1.1	67
11	Role of Vitamin A in the Absorption, Retention and Distribution of Iron in the Rat. Journal of Nutrition, 1979, 109, 129-137.	1.3	61
12	Copper-Deficient Rat Embryos Are Characterized by Low Superoxide Dismutase Activity and Elevated Superoxide Anions1. Biology of Reproduction, 2003, 68, 896-903.	1.2	55
13	Effects of Copper and Cross-Linking on the Extracellular Matrix of Tissue-Engineered Arteries. Cell Transplantation, 2005, 14, 367-374.	1.2	55
14	Modulation of Lysyl Oxidase by Dietary Copper in Rats. Journal of Nutrition, 1996, 126, 51-60.	1.3	46
15	Intestinal Absorption and Tissue Distribution of [14C]Pyrroloquinoline Quinone in Mice. Experimental Biology and Medicine, 1991, 197, 27-31.	1.1	43
16	Incorporation of copper into lysyl oxidase. Biochemical Journal, 1997, 327, 283-289.	1.7	42
17	Accumulation of Advanced Glycation Endproducts in Aging Male Fischer 344 Rats during Long-Term Feeding of Various Dietary Carbohydrates. Journal of Nutrition, 2000, 130, 1247-1255.	1.3	38
18	Diabetes and dietary copper alter 67Cu metabolism and oxidant defense in the rat. Journal of Nutritional Biochemistry, 2005, 16, 312-320.	1.9	38

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19	Identification of transcriptional networks responding to pyrroloquinoline quinone dietary supplementation and their influence on thioredoxin expression, and the JAK/STAT and MAPK pathways. Biochemical Journal, 2010, 429, 515-526.	1.7	38
20	Maternal zinc deficiency, but not copper deficiency or diabetes, results in increased embryonic cell death in the rat: Implications for mechanisms underlying abnormal development. Teratology, 1995, 51, 85-93.	1.8	35
21	Rat embryos cultured under copper-deficient conditions develop abnormally and are characterized by an impaired oxidant defense system. , 1998, 57, 310-320.		35
22	Cofactors in and as posttranslational protein modifications. FASEB Journal, 1988, 2, 2252-2261.	0.2	33
23	Pyrroloquinoline-Quinone Is More Than an Antioxidant: A Vitamin-like Accessory Factor Important in Health and Disease Prevention. Biomolecules, 2021, 11, 1441.	1.8	29
24	Elastin Metabolism During Perinatal Lung Development in the Copper-Deficient Rat. Experimental Lung Research, 1985, 8, 227-241.	0.5	27
25	Abnormal development and increased 3-nitrotyrosine in copper-deficient mouse embryos. Free Radical Biology and Medicine, 2006, 40, 35-44.	1.3	27
26	Effects of Protein Deficiency and Food Restriction on Lung Ascorbic Acid and Glutathione in Rats Exposed to Ozone. Journal of Nutrition, 1985, 115, 1050-1056.	1.3	22
27	Effect of maternal diabetes and dietary copper on fetal development in rats. Reproductive Toxicology, 1993, 7, 589-598.	1.3	21
28	Low nitric oxide: a key factor underlying copper-deficiency teratogenicity. Free Radical Biology and Medicine, 2007, 43, 1639-1648.	1.3	16
29	Copper deficiency alters isomyosin types and levels of laminin, fibronectin and cytochrome c oxidase subunits from rat hearts. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 1995, 111, 61-67.	0.7	15
30	Accumulation and Regulation of Elastin in the Rat Uterus. Experimental Biology and Medicine, 1989, 192, 121-126.	1.1	14
31	Effects of copper deficiency on mouse yolk sac vasculature and expression of angiogenic mediators. Birth Defects Research Part B: Developmental and Reproductive Toxicology, 2006, 77, 445-454.	1.4	14
32	Nutrition: ethical issues and challenges. Nutrition Research, 2016, 36, 1183-1192.	1.3	14
33	Activation of Chick Tendon Lysyl Oxidase in Response to Dietary Copper. Journal of Nutrition, 1999, 129, 2143-2146.	1.3	13
34	Vitamin requirements: Relationship to basal metabolic need and functions. Biochemistry and Molecular Biology Education, 2002, 30, 86-89.	0.5	13
35	VITAMIN A DEFICIENCY AND ABNORMAL METABOLISM OF IRON. Annals of the New York Academy of Sciences, 1980, 355, 58-61.	1.8	11
36	A zinc transporter gene required for development of the nervous system. Communicative and Integrative Biology, 2013, 6, e26207.	0.6	11

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37	Neuromorphometric Changes in the Ventral Spinal Roots in a Scoliotic Animal. Spine, 1993, 18, 350-355.	1.0	10
38	The influence of diet composition on phase I and II biotransformation enzyme induction. Archives of Toxicology, 2008, 82, 893-901.	1.9	9
39	Inadequate diet descriptions: a conundrum for animal model research. Nutrition Research, 2019, 65, 1-3.	1.3	9
40	Effect of a metallothionein antisense oligonucleotide on embryo development. Reproductive Toxicology, 1995, 9, 123-130.	1.3	8
41	Analytical Methods: Improvements, Advancements and New Horizons. Journal of Nutrition, 2003, 133, 1574S-1578S.	1.3	7
42	Metavanadate causes cellular accumulation of copper and decreased lysyl oxidase activity. Toxicology and Applied Pharmacology, 2004, 199, 35-43.	1.3	7
43	Synthesis of [14C]pyrroloquinoline quinone (PQQ) in E. coli using genes for PQQ synthesis from K. pneumoniae. Biochimica Et Biophysica Acta - General Subjects, 2000, 1524, 247-252.	1.1	6
44	Collagen, proteoglycan and hyaluronidase activity in cultures from normal and scoliotic chicken fibroblasts. Biochimica Et Biophysica Acta - General Subjects, 1990, 1034, 318-325.	1.1	5
45	Elastin degradation in the aorta of Watanabe hereditary hyperlipidemic rabbits. Mechanisms of Ageing and Development, 1994, 74, 117-120.	2.2	5
46	Genetic and Genomic Advances in Developmental Models: Applications for Nutrition Research. Advances in Nutrition, 2020, 11, 971-978.	2.9	5
47	Plasma free Hydroxyproline, Growth, and Sexual Maturity in the Scoliotic Chicken. Experimental Biology and Medicine, 1980, 165, 345-348.	1.1	4
48	Biofactors in food promote health by enhancing mitochondrial function. California Agriculture, 2011, 65, 141-147.	0.5	4
49	Changes in Response to Ascorbic Acid Administered Orally to Rat Pups: Lung Collagen, Elastin and Protein Synthesis. Journal of Nutrition, 1985, 115, 70-77.	1.3	3
50	Vitamins and Minerals. , 0, , 478-507.		2
51	The Future Direction of Nutrition Research: Concerns About and Future Direction of Nutrition Research and Training. Journal of Nutrition, 1989, 119, 829-830.	1.3	1
52	Watanabe Hyperlipidemic Rabbit as a Model of Aortic Degeneration of the Medial Lamellar Elastin Unit. Journal of Investigative Surgery, 1992, 5, 19-23.	0.6	1
53	Charles H. Hill (1921â€“2009). Journal of Nutrition, 2009, 139, 2227-2229.	1.3	1
54	Well-functioning cell mitochondria promote good health. California Agriculture, 2011, 65, 136-140.	0.5	1

#	ARTICLE	IF	CITATIONS
55	Gut microbiota - nutrition and health. Nutrition Research, 2022, 100, 42-46.	1.3	1
56	Reply to letter by Brandt and Bloch. American Journal of Clinical Nutrition, 1979, 32, 513-514.	2.2	0
57	Nutritional Biochemistry. American Journal of Clinical Nutrition, 1995, 61, 1175.	2.2	0
58	Functions of Vitamins Beyond Recommended Daily Allowances. American Journal of Clinical Nutrition, 2002, 75, 602.	2.2	0
59	Boyd L O'Dell, PhD (1916â€“2019). Journal of Nutrition, 2020, 150, 2609-2612.	1.3	0
60	Integration and Coordination: Keys to Success in California Farm to School Programs. FASEB Journal, 2006, 20, .	0.2	0
61	Altered nitric oxide availability contributes to copper deficiencyâ€induced teratogenicity. FASEB Journal, 2007, 21, A721.	0.2	0
62	Allometric scaling: Theory and Applications. Functional Foods in Health and Disease, 2017, 7, 303.	0.3	0
63	PQQ: Effect on Growth, Reproduction, Immune Function, and Extracellular Matrix Maturation in Mice. , 2020, , 367-380.		0