

# Rb Rucker Or R Rucker

## List of Publications by Year in descending order

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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	Gut microbiota - nutrition and health. Nutrition Research, 2022, 100, 42-46.	1.3	1
2	Pyrrroloquinoline-Quinone Is More Than an Antioxidant: A Vitamin-like Accessory Factor Important in Health and Disease Prevention. Biomolecules, 2021, 11, 1441.	1.8	29
3	Boyd L O'Dell, PhD (1916â€“2019). Journal of Nutrition, 2020, 150, 2609-2612.	1.3	0
4	Genetic and Genomic Advances in Developmental Models: Applications for Nutrition Research. Advances in Nutrition, 2020, 11, 971-978.	2.9	5
5	PQQ: Effect on Growth, Reproduction, Immune Function, and Extracellular Matrix Maturation in Mice. , 2020, , 367-380.		0
6	Inadequate diet descriptions: a conundrum for animal model research. Nutrition Research, 2019, 65, 1-3.	1.3	9
7	Allometric scaling: Theory and Applications. Functional Foods in Health and Disease, 2017, 7, 303.	0.3	0
8	Nutrition: ethical issues and challenges. Nutrition Research, 2016, 36, 1183-1192.	1.3	14
9	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
10	A zinc transporter gene required for development of the nervous system. Communicative and Integrative Biology, 2013, 6, e26207.	0.6	11
11	Neurulation and neurite extension require the zinc transporter ZIP12 ( <i>slc39a12</i> ). Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9903-9908.	3.3	109
12	Altering Pyrroloquinoline Quinone Nutritional Status Modulates Mitochondrial, Lipid, and Energy Metabolism in Rats. PLoS ONE, 2011, 6, e21779.	1.1	67
13	Biofactors in food promote health by enhancing mitochondrial function. California Agriculture, 2011, 65, 141-147.	0.5	4
14	Well-functioning cell mitochondria promote good health. California Agriculture, 2011, 65, 136-140.	0.5	1
15	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
16	Pyrrroloquinoline Quinone Stimulates Mitochondrial Biogenesis through cAMP Response Element-binding Protein Phosphorylation and Increased PGC-1 $\beta$ Expression. Journal of Biological Chemistry, 2010, 285, 142-152.	1.6	187
17	Charles H. Hill (1921â€“2009). Journal of Nutrition, 2009, 139, 2227-2229.	1.3	1
18	The influence of diet composition on phase I and II biotransformation enzyme induction. Archives of Toxicology, 2008, 82, 893-901.	1.9	9

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19	Low nitric oxide: a key factor underlying copper-deficiency teratogenicity. <i>Free Radical Biology and Medicine</i> , 2007, 43, 1639-1648.	1.3	16
20	Altered nitric oxide availability contributes to copper deficiency-induced teratogenicity. <i>FASEB Journal</i> , 2007, 21, A721.	0.2	0
21	Pyroloquinoline Quinone Modulates Mitochondrial Quantity and Function in Mice. <i>Journal of Nutrition</i> , 2006, 136, 390-396.	1.3	91
22	Abnormal development and increased 3-nitrotyrosine in copper-deficient mouse embryos. <i>Free Radical Biology and Medicine</i> , 2006, 40, 35-44.	1.3	27
23	Effects of copper deficiency on mouse yolk sac vasculature and expression of angiogenic mediators. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , 2006, 77, 445-454.	1.4	14
24	Integration and Coordination: Keys to Success in California Farm to School Programs. <i>FASEB Journal</i> , 2006, 20, .	0.2	0
25	Effects of Copper and Cross-Linking on the Extracellular Matrix of Tissue-Engineered Arteries. <i>Cell Transplantation</i> , 2005, 14, 367-374.	1.2	55
26	Diabetes and dietary copper alter <sup>67</sup> Cu metabolism and oxidant defense in the rat. <i>Journal of Nutritional Biochemistry</i> , 2005, 16, 312-320.	1.9	38
27	Metavanadate causes cellular accumulation of copper and decreased lysyl oxidase activity. <i>Toxicology and Applied Pharmacology</i> , 2004, 199, 35-43.	1.3	7
28	Copper-Deficient Rat Embryos Are Characterized by Low Superoxide Dismutase Activity and Elevated Superoxide Anions <sup>1</sup> . <i>Biology of Reproduction</i> , 2003, 68, 896-903.	1.2	55
29	Analytical Methods: Improvements, Advancements and New Horizons. <i>Journal of Nutrition</i> , 2003, 133, 1574S-1578S.	1.3	7
30	Developmental Consequences of Trace Mineral Deficiencies in Rodents: Acute and Long-Term Effects. <i>Journal of Nutrition</i> , 2003, 133, 1477S-1480S.	1.3	79
31	Functions of Vitamins Beyond Recommended Daily Allowances. <i>American Journal of Clinical Nutrition</i> , 2002, 75, 602.	2.2	0
32	Vitamin requirements: Relationship to basal metabolic need and functions. <i>Biochemistry and Molecular Biology Education</i> , 2002, 30, 86-89.	0.5	13
33	Physiological Importance of Quinoenzymes and the O-Quinone Family of Cofactors. <i>Journal of Nutrition</i> , 2000, 130, 719-727.	1.3	123
34	Accumulation of Advanced Glycation Endproducts in Aging Male Fischer 344 Rats during Long-Term Feeding of Various Dietary Carbohydrates. <i>Journal of Nutrition</i> , 2000, 130, 1247-1255.	1.3	38
35	Synthesis of [ <sup>14</sup> C]pyroloquinoline quinone (PQQ) in <i>E. coli</i> using genes for PQQ synthesis from <i>K. pneumoniae</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000, 1524, 247-252.	1.1	6
36	Activation of Chick Tendon Lysyl Oxidase in Response to Dietary Copper. <i>Journal of Nutrition</i> , 1999, 129, 2143-2146.	1.3	13

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37	HPLC Method for the Quantification of Procyanidins in Cocoa and Chocolate Samples and Correlation to Total Antioxidant Capacity. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 4184-4188.	2.4	360
38	Rat embryos cultured under copper-deficient conditions develop abnormally and are characterized by an impaired oxidant defense system. , 1998, 57, 310-320.		35
39	Incorporation of copper into lysyl oxidase. <i>Biochemical Journal</i> , 1997, 327, 283-289.	1.7	42
40	Modulation of Lysyl Oxidase by Dietary Copper in Rats. <i>Journal of Nutrition</i> , 1996, 126, 51-60.	1.3	46
41	Maternal zinc deficiency, but not copper deficiency or diabetes, results in increased embryonic cell death in the rat: Implications for mechanisms underlying abnormal development. <i>Teratology</i> , 1995, 51, 85-93.	1.8	35
42	Effect of a metallothionein antisense oligonucleotide on embryo development. <i>Reproductive Toxicology</i> , 1995, 9, 123-130.	1.3	8
43	Nutritional Biochemistry. <i>American Journal of Clinical Nutrition</i> , 1995, 61, 1175.	2.2	0
44	Copper deficiency alters isomyosin types and levels of laminin, fibronectin and cytochrome c oxidase subunits from rat hearts. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 1995, 111, 61-67.	0.7	15
45	Dietary Pyrroloquinoline Quinone: Growth and Immune Response in BALB/c Mice. <i>Journal of Nutrition</i> , 1994, 124, 744-753.	1.3	84
46	Elastin degradation in the aorta of Watanabe hereditary hyperlipidemic rabbits. <i>Mechanisms of Ageing and Development</i> , 1994, 74, 117-120.	2.2	5
47	Effect of maternal diabetes and dietary copper on fetal development in rats. <i>Reproductive Toxicology</i> , 1993, 7, 589-598.	1.3	21
48	Neuromorphometric Changes in the Ventral Spinal Roots in a Scoliotic Animal. <i>Spine</i> , 1993, 18, 350-355.	1.0	10
49	Watanabe Hyperlipidemic Rabbit as a Model of Aortic Degeneration of the Medial Lamellar Elastin Unit. <i>Journal of Investigative Surgery</i> , 1992, 5, 19-23.	0.6	1
50	Enzymatic and nonenzymatic cross-linking of collagen and elastin. <i>FASEB Journal</i> , 1992, 6, 2439-2449.	0.2	408
51	Intestinal Absorption and Tissue Distribution of [14C]Pyrroloquinoline Quinone in Mice. <i>Experimental Biology and Medicine</i> , 1991, 197, 27-31.	1.1	43
52	Collagen, proteoglycan and hyaluronidase activity in cultures from normal and scoliotic chicken fibroblasts. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1990, 1034, 318-325.	1.1	5
53	The Future Direction of Nutrition Research: Concerns About and Future Direction of Nutrition Research and Training. <i>Journal of Nutrition</i> , 1989, 119, 829-830.	1.3	1
54	Accumulation and Regulation of Elastin in the Rat Uterus. <i>Experimental Biology and Medicine</i> , 1989, 192, 121-126.	1.1	14

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55	Cofactors in and as posttranslational protein modifications. FASEB Journal, 1988, 2, 2252-2261.	0.2	33
56	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
57	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
58	Elastin Metabolism During Perinatal Lung Development in the Copper-Deficient Rat. Experimental Lung Research, 1985, 8, 227-241.	0.5	27
59	Plasma free Hydroxyproline, Growth, and Sexual Maturity in the Scoliotic Chicken. Experimental Biology and Medicine, 1980, 165, 345-348.	1.1	4
60	VITAMIN A DEFICIENCY AND ABNORMAL METABOLISM OF IRON. Annals of the New York Academy of Sciences, 1980, 355, 58-61.	1.8	11
61	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
62	Reply to letter by Brandt and Bloch. American Journal of Clinical Nutrition, 1979, 32, 513-514.	2.2	0
63	Vitamins and Minerals. , 0, , 478-507.		2