

Margaret P Rayman

List of Publications by Year in descending order

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Version: 2024-02-01

83
papers

14,068
citations

46918

47
h-index

66788

78
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86
all docs

86
docs citations

86
times ranked

12782
citing authors

#	ARTICLE	IF	CITATIONS
1	The importance of selenium to human health. <i>Lancet, The</i> , 2000, 356, 233-241.	6.3	3,445
2	Selenium and human health. <i>Lancet, The</i> , 2012, 379, 1256-1268.	6.3	2,486
3	Selenium in cancer prevention: a review of the evidence and mechanism of action. <i>Proceedings of the Nutrition Society</i> , 2005, 64, 527-542.	0.4	704
4	Food-chain selenium and human health: emphasis on intake. <i>British Journal of Nutrition</i> , 2008, 100, 254-268.	1.2	644
5	Effect of inadequate iodine status in UK pregnant women on cognitive outcomes in their children: results from the Avon Longitudinal Study of Parents and Children (ALSPAC). <i>Lancet, The</i> , 2013, 382, 331-337.	6.3	597
6	The use of high-selenium yeast to raise selenium status: how does it measure up?. <i>British Journal of Nutrition</i> , 2004, 92, 557-573.	1.2	477
7	The argument for increasing selenium intake. <i>Proceedings of the Nutrition Society</i> , 2002, 61, 203-215.	0.4	390
8	Food-chain selenium and human health: spotlight on speciation. <i>British Journal of Nutrition</i> , 2008, 100, 238-253.	1.2	369
9	Association between regional selenium status and reported outcome of COVID-19 cases in China. <i>American Journal of Clinical Nutrition</i> , 2020, 111, 1297-1299.	2.2	279
10	Selenium intake, status, and health: a complex relationship. <i>Hormones</i> , 2020, 19, 9-14.	0.9	234
11	Selenoprotein Gene Nomenclature. <i>Journal of Biological Chemistry</i> , 2016, 291, 24036-24040.	1.6	207
12	Low Population Selenium Status Is Associated With Increased Prevalence of Thyroid Disease. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 4037-4047.	1.8	191
13	Epidemiology of selenium and type 2 diabetes: Can we make sense of it?. <i>Free Radical Biology and Medicine</i> , 2013, 65, 1557-1564.	1.3	187
14	Selenoproteins and human health: Insights from epidemiological data. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2009, 1790, 1533-1540.	1.1	169
15	Symposium on "Geographical and geological influences on nutrition" Factors controlling the distribution of selenium in the environment and their impact on health and nutrition. <i>Proceedings of the Nutrition Society</i> , 2010, 69, 119-132.	0.4	168
16	Multiple nutritional factors and thyroid disease, with particular reference to autoimmune thyroid disease. <i>Proceedings of the Nutrition Society</i> , 2019, 78, 34-44.	0.4	147
17	Low selenium status is associated with the occurrence of the pregnancy disease preeclampsia in women from the United Kingdom. <i>American Journal of Obstetrics and Gynecology</i> , 2003, 189, 1343-1349.	0.7	136
18	Effect of long-term selenium supplementation on mortality: Results from a multiple-dose, randomised controlled trial. <i>Free Radical Biology and Medicine</i> , 2018, 127, 46-54.	1.3	135

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19	Selenium and selenoproteins in viral infection with potential relevance to COVID-19. <i>Redox Biology</i> , 2020, 37, 101715.	3.9	126
20	Effect of low-dose selenium on thyroid autoimmunity and thyroid function in UK pregnant women with mild-to-moderate iodine deficiency. <i>European Journal of Nutrition</i> , 2016, 55, 55-61.	1.8	120
21	Multiple Nutritional Factors and the Risk of Hashimoto's Thyroiditis. <i>Thyroid</i> , 2017, 27, 597-610.	2.4	119
22	Iodine as Essential Nutrient during the First 1000 Days of Life. <i>Nutrients</i> , 2018, 10, 290.	1.7	115
23	Interaction between Single Nucleotide Polymorphisms in Selenoprotein P and Mitochondrial Superoxide Dismutase Determines Prostate Cancer Risk. <i>Cancer Research</i> , 2008, 68, 10171-10177.	0.4	112
24	Plasma selenium and risk of dysglycemia in an elderly French population: results from the prospective Epidemiology of Vascular Ageing Study. <i>Nutrition and Metabolism</i> , 2010, 7, 21.	1.3	103
25	Effect of Supplementation With High-Selenium Yeast on Plasma Lipids. <i>Annals of Internal Medicine</i> , 2011, 154, 656.	2.0	100
26	Randomized controlled trial of the effect of selenium supplementation on thyroid function in the elderly in the United Kingdom. <i>American Journal of Clinical Nutrition</i> , 2008, 87, 370-378.	2.2	97
27	Abnormal iron parameters in the pregnancy syndrome preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2002, 187, 412-418.	0.7	96
28	Iodine deficiency in pregnant women living in the South East of the UK: the influence of diet and nutritional supplements on iodine status. <i>British Journal of Nutrition</i> , 2014, 111, 1622-1631.	1.2	96
29	Association of Maternal Iodine Status With Child IQ: A Meta-Analysis of Individual Participant Data. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 5957-5967.	1.8	95
30	Maternal selenium status during early gestation and risk for preterm birth. <i>Cmaj</i> , 2011, 183, 549-555.	0.9	94
31	Effect of selenium on markers of risk of pre-eclampsia in UK pregnant women: a randomised, controlled pilot trial. <i>British Journal of Nutrition</i> , 2014, 112, 99-111.	1.2	92
32	The role of selenium in type-2 diabetes mellitus and its metabolic comorbidities. <i>Redox Biology</i> , 2022, 50, 102236.	3.9	88
33	Selenium, selenoprotein P, and Alzheimer's disease: is there a link?. <i>Free Radical Biology and Medicine</i> , 2018, 127, 124-133.	1.3	82
34	Effect of supplementation with selenium on postpartum depression: a randomized double-blind placebo-controlled trial. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2011, 24, 104-108.	0.7	79
35	Supranutritional selenium induces alterations in molecular targets related to energy metabolism in skeletal muscle and visceral adipose tissue of pigs. <i>Journal of Inorganic Biochemistry</i> , 2012, 114, 47-54.	1.5	78
36	A Randomized Trial of Selenium Supplementation and Risk of Type-2 Diabetes, as Assessed by Plasma Adiponectin. <i>PLoS ONE</i> , 2012, 7, e45269.	1.1	78

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37	Thyroid Function in Early Pregnancy, Child IQ, and Autistic Traits: A Meta-Analysis of Individual Participant Data. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 2967-2979.	1.8	77
38	Randomised, double blind, placebo-controlled trial of selenium supplementation in adult asthma. <i>Thorax</i> , 2007, 62, 483-490.	2.7	74
39	Selenium status in UK pregnant women and its relationship with hypertensive conditions of pregnancy. <i>British Journal of Nutrition</i> , 2015, 113, 249-258.	1.2	70
40	Systematic review and meta-analysis of the effects of iodine supplementation on thyroid function and child neurodevelopment in mildly-to-moderately iodine-deficient pregnant women. <i>American Journal of Clinical Nutrition</i> , 2020, 112, 389-412.	2.2	70
41	Selenium Supplementation and the Incidence of Preeclampsia in Pregnant Iranian Women: A Randomized, Double-Blind, Placebo-Controlled Pilot Trial. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2010, 49, 181-187.	0.5	67
42	Iodine concentration of milk-alternative drinks available in the UK in comparison with cows' milk. <i>British Journal of Nutrition</i> , 2017, 118, 525-532.	1.2	67
43	Association between maternal vitamin D status in pregnancy and neurodevelopmental outcomes in childhood: results from the Avon Longitudinal Study of Parents and Children (ALSPAC). <i>British Journal of Nutrition</i> , 2017, 117, 1682-1692.	1.2	59
44	Gestational changes in iodine status in a cohort study of pregnant women from the United Kingdom: season as an effect modifier. <i>American Journal of Clinical Nutrition</i> , 2015, 101, 1180-1187.	2.2	57
45	A review of the iodine status of UK pregnant women and its implications for the offspring. <i>Environmental Geochemistry and Health</i> , 2015, 37, 619-629.	1.8	56
46	SARS-CoV-2 suppresses mRNA expression of selenoproteins associated with ferroptosis, endoplasmic reticulum stress and DNA synthesis. <i>Food and Chemical Toxicology</i> , 2021, 153, 112286.	1.8	56
47	Selenoprotein Gene Variants, Toenail Selenium Levels, and Risk for Advanced Prostate Cancer. <i>Journal of the National Cancer Institute</i> , 2014, 106, dju003.	3.0	49
48	Genetic polymorphisms that affect selenium status and response to selenium supplementation in United Kingdom pregnant women. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 100-106.	2.2	48
49	Iodine intake and status of UK women of childbearing age recruited at the University of Surrey in the winter. <i>British Journal of Nutrition</i> , 2014, 112, 1715-1723.	1.2	47
50	Selenium and Vitamin E Supplementation for Cancer Prevention. <i>JAMA - Journal of the American Medical Association</i> , 2009, 301, 1876.	3.8	45
51	Comparison of selenium levels in pre-eclamptic and normal pregnancies. <i>Biological Trace Element Research</i> , 1996, 55, 9-20.	1.9	39
52	Thyroglobulin as a Functional Biomarker of Iodine Status in a Cohort Study of Pregnant Women in the United Kingdom. <i>Thyroid</i> , 2017, 27, 426-433.	2.4	32
53	Endoplasmic reticulum stress and oxidative stress drive endothelial dysfunction induced by high selenium. <i>Journal of Cellular Physiology</i> , 2021, 236, 4348-4359.	2.0	32
54	Anthropometric indices and selenium status in British adults: The U.K. National Diet and Nutrition Survey. <i>Free Radical Biology and Medicine</i> , 2013, 65, 1315-1321.	1.3	31

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55	Randomised controlled trial of the effect of long-term selenium supplementation on plasma cholesterol in an elderly Danish population. <i>British Journal of Nutrition</i> , 2015, 114, 1807-1818.	1.2	30
56	Ensuring Effective Prevention of Iodine Deficiency Disorders. <i>Thyroid</i> , 2016, 26, 189-196.	2.4	30
57	Optimising COVID-19 vaccine efficacy by ensuring nutritional adequacy. <i>British Journal of Nutrition</i> , 2021, 126, 1919-1920.	1.2	25
58	Effect of Prenatal Selenium Supplementation on Cord Blood Selenium and Lipid Profile. <i>Pediatrics and Neonatology</i> , 2012, 53, 334-339.	0.3	24
59	The new emergence of iodine deficiency in the UK: consequences for child neurodevelopment. <i>Annals of Clinical Biochemistry</i> , 2015, 52, 705-708.	0.8	24
60	A multi-centre pilot study of iodine status in UK schoolchildren, aged 8-10 years. <i>European Journal of Nutrition</i> , 2016, 55, 2001-2009.	1.8	23
61	No effect of modest selenium supplementation on insulin resistance in UK pregnant women, as assessed by plasma adiponectin concentration. <i>British Journal of Nutrition</i> , 2016, 115, 32-38.	1.2	21
62	Effect of selenium supplementation on changes in HbA1c: Results from a multiple-dose, randomized controlled trial. <i>Diabetes, Obesity and Metabolism</i> , 2019, 21, 541-549.	2.2	21
63	Selenium, selenoproteins and selenometabolites in mothers and babies at the time of birth. <i>British Journal of Nutrition</i> , 2017, 117, 1304-1311.	1.2	20
64	Similarities and differences of dietary and other determinants of iodine status in pregnant women from three European birth cohorts. <i>European Journal of Nutrition</i> , 2020, 59, 371-387.	1.8	19
65	Dietary manipulation in musculoskeletal conditions. <i>Best Practice and Research in Clinical Rheumatology</i> , 2008, 22, 535-561.	1.4	18
66	Prooxidant-antioxidant balance in pregnancy: a randomized double-blind placebo-controlled trial of selenium supplementation. <i>Journal of Perinatal Medicine</i> , 2010, 38, 473-8.	0.6	18
67	Dietary factors that affect the risk of pre-eclampsia. <i>BMJ Nutrition, Prevention and Health</i> , 2022, 5, 118-133.	1.9	18
68	Trace element concentration in organic and conventional milk: what are the nutritional implications of the recently reported differences?. <i>British Journal of Nutrition</i> , 2016, 116, 3-6.	1.2	10
69	Plasma selenium concentration and prostate cancer risk. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 1276-1277.	2.2	8
70	Selenium Deficiency and Thyroid Disease. , 2019, , 109-126.		8
71	Maternal Iodine Status During Pregnancy Is Not Consistently Associated with Attention-Deficit Hyperactivity Disorder or Autistic Traits in Children. <i>Journal of Nutrition</i> , 2020, 150, 1516-1528.	1.3	6
72	Systematic study of the selenium fractionation in human plasma from a cancer prevention trial using HPLC hyphenated to ICP-MS and ESI-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 331-344.	1.9	5

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73	Has the UK really become iodine sufficient?. Lancet Diabetes and Endocrinology,the, 2018, 6, 89-90.	5.5	4
74	Does atmospheric dimethylselenide play a role in reducing COVID-19 mortality?. Gondwana Research, 2023, 114, 87-92.	3.0	4
75	A survey to estimate total nutrient intake at conception " Dietary and supplementary. Journal of Nutritional and Environmental Medicine, 2008, 17, 12-43.	0.1	3
76	Survey of total folate intake at conception and assessment of impact of fortification. Journal of Nutritional and Environmental Medicine, 2008, 17, 44-55.	0.1	3
77	Is Adequate Selenium Important for Healthy Human Pregnancy?. , 2016, , 353-364.		3
78	Metallic iron in cornflakes. Food and Function, 2020, 11, 2938-2942.	2.1	2
79	Boosting and lassoing new prostate cancer SNP risk factors and their connection to selenium. Scientific Reports, 2021, 11, 17877.	1.6	2
80	Selenium and Adverse Health Conditions of Human Pregnancy. , 2011, , 531-544.		2
81	Dairy foods as a source of dietary iodine. , 2020, , 323-345.		1
82	Iodine status of pregnant women from the Republic of Cyprus. British Journal of Nutrition, 2023, 129, 126-134.	1.2	1
83	Reply to LA Seale et al. American Journal of Clinical Nutrition, 2020, 112, 448-450.	2.2	0