

Margaret Philomena Rayman

List of Publications by Year in descending order

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Version: 2024-02-01

88
papers

11,082
citations

53751

45
h-index

62565

80
g-index

89
all docs

89
docs citations

89
times ranked

11163
citing authors

#	ARTICLE	IF	CITATIONS
1	Selenium and human health. <i>Lancet, The</i> , 2012, 379, 1256-1268.	6.3	2,486
2	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
3	Food-chain selenium and human health: emphasis on intake. <i>British Journal of Nutrition</i> , 2008, 100, 254-268.	1.2	644
4	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
5	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
6	The role of metabolism in the pathogenesis of osteoarthritis. <i>Nature Reviews Rheumatology</i> , 2017, 13, 302-311.	3.5	438
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	Selenium in thyroid disorders " essential knowledge for clinicians. <i>Nature Reviews Endocrinology</i> , 2020, 16, 165-176.	4.3	144
18	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

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19	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
20	Selenium and selenoproteins in viral infection with potential relevance to COVID-19. <i>Redox Biology</i> , 2020, 37, 101715.	3.9	126
21	What is the evidence for a role for diet and nutrition in osteoarthritis?. <i>Rheumatology</i> , 2018, 57, iv61-iv74.	0.9	121
22	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
23	Multiple Nutritional Factors and the Risk of Hashimoto's Thyroiditis. <i>Thyroid</i> , 2017, 27, 597-610.	2.4	119
24	Iodine as Essential Nutrient during the First 1000 Days of Life. <i>Nutrients</i> , 2018, 10, 290.	1.7	115
25	Strategies for optimising musculoskeletal health in the 21st century. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 164.	0.8	102
26	Speciation and Bioavailability of Selenium in Yeast-Based Intervention Agents Used in Cancer Chemoprevention Studies. <i>Journal of AOAC INTERNATIONAL</i> , 2004, 87, 225-232.	0.7	101
27	Effect of Supplementation With High-Selenium Yeast on Plasma Lipids. <i>Annals of Internal Medicine</i> , 2011, 154, 656.	2.0	100
28	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
29	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
30	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
31	Maternal selenium status during early gestation and risk for preterm birth. <i>Cmaj</i> , 2011, 183, 549-555.	0.9	94
32	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
33	Impact of Selenium on Mood and Quality of Life: A Randomized, Controlled Trial. <i>Biological Psychiatry</i> , 2006, 59, 147-154.	0.7	91
34	The role of selenium in type-2 diabetes mellitus and its metabolic comorbidities. <i>Redox Biology</i> , 2022, 50, 102236.	3.9	88
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	Selenium speciation analysis of selenium-enriched supplements by HPLC with ultrasonic nebulisation ICP-MS and electrospray MS/MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2004, 19, 1529-1538.	1.6	77
38	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
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	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
42	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
43	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
44	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
45	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
46	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
47	Availability of iodised table salt in the UK " is it likely to influence population iodine intake?. <i>Public Health Nutrition</i> , 2014, 17, 450-454.	1.1	44
48	Simultaneous identification of selenium-containing glutathione species in selenised yeast by on-line HPLC with ICP-MS and electrospray ionisation quadrupole time of flight (QTOF)-MS/MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2006, 21, 1256-1263.	1.6	40
49	Identification of water-soluble gamma-glutamyl-Se-methylselenocysteine in yeast-based selenium supplements by reversed-phase HPLC with ICP-MS and electrospray tandem MS detection. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 864.	1.6	39
50	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
51	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
52	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
53	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
54	Ensuring Effective Prevention of Iodine Deficiency Disorders. <i>Thyroid</i> , 2016, 26, 189-196.	2.4	30

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55	Iodine status of consumers of milk-alternative drinks <i>v</i>. cowsâ€™ milk: data from the UK National Diet and Nutrition Survey. <i>British Journal of Nutrition</i> , 2021, 126, 28-36.	1.2	26
56	Optimising COVID-19 vaccine efficacy by ensuring nutritional adequacy. <i>British Journal of Nutrition</i> , 2021, 126, 1919-1920.	1.2	25
57	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
58	A multi-centre pilot study of iodine status in UK schoolchildren, aged 8â€“10Â years. <i>European Journal of Nutrition</i> , 2016, 55, 2001-2009.	1.8	23
59	Association of apolipoprotein E gene polymorphisms with blood lipids and their interaction with dietary factors. <i>Lipids in Health and Disease</i> , 2018, 17, 98.	1.2	23
60	Effect of selenium status and supplementation with highâ€™selenium yeast on plasma homocysteine and B vitamin concentrations in the UK elderly. <i>Molecular Nutrition and Food Research</i> , 2008, 52, 1324-1333.	1.5	21
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 multipleâ€™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	Dietary factors that affect the risk of pre-eclampsia. <i>BMJ Nutrition, Prevention and Health</i> , 2022, 5, 118-133.	1.9	18
67	Perceived insufficient milk among primiparous, fully breastfeeding women: Is infant crying important?. <i>Maternal and Child Nutrition</i> , 2021, 17, e13133.	1.4	16
68	Prospective Selective Mechanism of Emerging Senolytic Agents Derived from Flavonoids. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 12418-12423.	2.4	15
69	Prooxidant activity-based guideline for a beneficial combination of (â€™)-epigallocatechin-3-gallate and chlorogenic acid. <i>Food Chemistry</i> , 2022, 386, 132812.	4.2	15
70	Plasma mineral (selenium, zinc or copper) concentrations in the general pregnant population, adjusted for supplement intake, in relation to thyroid function. <i>British Journal of Nutrition</i> , 2021, 125, 71-78.	1.2	13
71	Maternal Thyroid Function in Early Pregnancy and Child Attention-Deficit Hyperactivity Disorder: An Individual-Participant Meta-Analysis. <i>Thyroid</i> , 2019, 29, 1316-1326.	2.4	11
72	Selenium Deficiency and Thyroid Disease. , 2019, , 109-126.		8

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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	Selenium status in a Northern Irish pregnant cohort with iodine deficiency. European Journal of Clinical Nutrition, 2021, 75, 403-405.	1.3	4
75	Does atmospheric dimethyldiselenide play a role in reducing COVID-19 mortality?. Gondwana Research, 2023, 114, 87-92.	3.0	4
76	Selenium intakes in UK South Asian and Caucasian women: a longitudinal analysis. Proceedings of the Nutrition Society, 2010, 69, .	0.4	3
77	Metallic iron in cornflakes. Food and Function, 2020, 11, 2938-2942.	2.1	2
78	Response to Letter to the Editor from Levie et al: "Association of Maternal Iodine Status With Child IQ: A Meta-Analysis of Individual Participant Data" Journal of Clinical Endocrinology and Metabolism, 2020, 105, e3505-e3506.	1.8	1
79	Predicting weight-loss using differential equations (PRELUDE). Proceedings of the Nutrition Society, 2020, 79, .	0.4	1
80	Endoplasmic Reticulum Stress Drives High Selenium-Induced Endothelial Dysfunction. FASEB Journal, 2018, 32, 902.4.	0.2	1
81	Iodine status of pregnant women from the Republic of Cyprus. British Journal of Nutrition, 2023, 129, 126-134.	1.2	1
82	Effect of Selenium Supplementation on Thyroid Function in UK Pregnant Women: a Randomised, Controlled Pilot Trial. Proceedings of the Nutrition Society, 2013, 72, .	0.4	0
83	Creation of an evidence-based cookbook aimed at reducing the risk of dementia. Proceedings of the Nutrition Society, 2015, 74, .	0.4	0
84	Effect of selenium supplementation on adiponectin concentration as a marker of type-2 diabetes risk in UK pregnant women. Proceedings of the Nutrition Society, 2015, 74, .	0.4	0
85	Interaction between lipoprotein lipase and apolipoprotein E gene polymorphisms and dietary factors on lipid traits. Proceedings of the Nutrition Society, 2017, 76, .	0.4	0
86	Reply to LA Seale et al. American Journal of Clinical Nutrition, 2020, 112, 448-450.	2.2	0
87	Proof is still needed that an anti-inflammatory diet can benefit rheumatoid arthritis patients. American Journal of Clinical Nutrition, 2020, 111, 1119-1120.	2.2	0
88	Response to Plat and Mensink. British Journal of Nutrition, 2021, , 1-2.	1.2	0