Margaret Philomena Rayman

List of Publications by Year
in descending order

88 papers	11,082 citations	53660 45 h-index	62479 80 g-index
89 all docs	89 docs citations	89 times ranked	11163 citing authors

#	Article	IF	Citations
1	Iodine status of pregnant women from the Republic of Cyprus. British Journal of Nutrition, 2023, 129, 126-134.	1.2	1
2	Does atmospheric dimethyldiselenide play a role in reducing COVID-19 mortality?. Gondwana Research, 2023, 114, 87-92.	3.0	4
3	The role of selenium in type-2 diabetes mellitus and its metabolic comorbidities. Redox Biology, 2022, 50, 102236.	3.9	88
4	Prooxidant activity-based guideline for a beneficial combination of (â˜)-epigallocatechin-3-gallate and chlorogenic acid. Food Chemistry, 2022, 386, 132812.	4.2	15
5	Dietary factors that affect the risk of pre-eclampsia. BMJ Nutrition, Prevention and Health, 2022, 5, 118-133.	1.9	18
6	Plasma mineral (selenium, zinc or copper) concentrations in the general pregnant population, adjusted for supplement intake, in relation to thyroid function. British Journal of Nutrition, 2021, 125, 71-78.	1.2	13
7	Iodine status of consumers of milk-alternative drinks v. cowsâ€™ milk: data from the UK National Diet and Nutrition Survey. British Journal of Nutrition, 2021, 126, 28-36.	1.2	26
8	Endoplasmic reticulum stress and oxidative stress drive endothelial dysfunction induced by high selenium. Journal of Cellular Physiology, 2021, 236, 4348-4359.	2.0	32
9	Selenium status in a Northern Irish pregnant cohort with iodine deficiency. European Journal of Clinical Nutrition, 2021, 75, 403-405.	1.3	4
10	Optimising COVID-19 vaccine efficacy by ensuring nutritional adequacy. British Journal of Nutrition, 2021, 126, 1919-1920.	1.2	25
11	Response to Plat and Mensink. British Journal of Nutrition, 2021, , 1-2.	1.2	0
12	SARS-CoV-2 suppresses mRNA expression of selenoproteins associated with ferroptosis, endoplasmic reticulum stress and DNA synthesis. Food and Chemical Toxicology, 2021, 153, 112286.	1.8	56
13	Perceived insufficient milk among primiparous, fully breastfeeding women: Is infant crying important?. Maternal and Child Nutrition, 2021, 17, e13133.	1.4	16
14	Prospective Selective Mechanism of Emerging Senolytic Agents Derived from Flavonoids. Journal of Agricultural and Food Chemistry, 2021, 69, 12418-12423.	2.4	15
15	Similarities and differences of dietary and other determinants of iodine status in pregnant women from three European birth cohorts. European Journal of Nutrition, 2020, 59, 371-387.	1.8	19
16	Selenium intake, status, and health: a complex relationship. Hormones, 2020, 19, 9-14.	0.9	234
17	Selenium and selenoproteins in viral infection with potential relevance to COVID-19. Redox Biology, 2020, 37, 101715.	3.9	126
18	Response to Letter to the Editor from Levie et al: â€œAssociation of Maternal Iodine Status With Child IQ: A Meta-Analysis of Individual Participant Dataâ€• Journal of Clinical Endocrinology and Metabolism, 2020, 105, e3505-e3506.	1.8	1

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19	Reply to LA Seale et al. American Journal of Clinical Nutrition, 2020, 112, 448-450.	2.2	0
20	Metallic iron in cornflakes. Food and Function, 2020, 11, 2938-2942.	2.1	2
21	Predicting weight-loss using differential equations (PRELUDE). Proceedings of the Nutrition Society, 2020, 79, .	0.4	1
22	Selenium in thyroid disorders â€" essential knowledge for clinicians. Nature Reviews Endocrinology, 2020, 16, 165-176.	4.3	144
23	Association between regional selenium status and reported outcome of COVID-19 cases in China. American Journal of Clinical Nutrition, 2020, 111, 1297-1299.	2.2	279
24	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. American Journal of Clinical Nutrition, 2020, 112, 389-412.	2.2	70
25	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
26	Maternal Thyroid Function in Early Pregnancy and Child Attention-Deficit Hyperactivity Disorder: An Individual-Participant Meta-Analysis. Thyroid, 2019, 29, 1316-1326.	2.4	11
27	Strategies for optimising musculoskeletal health in the 21st century. BMC Musculoskeletal Disorders, 2019, 20, 164.	0.8	102
28	Association of Maternal Iodine Status With Child IQ: A Meta-Analysis of Individual Participant Data. Journal of Clinical Endocrinology and Metabolism, 2019, 104, 5957-5967.	1.8	95
29	Multiple nutritional factors and thyroid disease, with particular reference to autoimmune thyroid disease. Proceedings of the Nutrition Society, 2019, 78, 34-44.	0.4	147
30	Effect of selenium supplementation on changes in HbA1c: Results from a multipleâ€dose, randomized controlled trial. Diabetes, Obesity and Metabolism, 2019, 21, 541-549.	2.2	21
31	Selenium Deficiency and Thyroid Disease. , 2019, , 109-126.		8
32	What is the evidence for a role for diet and nutrition in osteoarthritis?. Rheumatology, 2018, 57, iv61-iv74.	0.9	121
33	Effect of long-term selenium supplementation on mortality: Results from a multiple-dose, randomised controlled trial. Free Radical Biology and Medicine, 2018, 127, 46-54.	1.3	135
34	Association of apolipoprotein E gene polymorphisms with blood lipids and their interaction with dietary factors. Lipids in Health and Disease, 2018, 17, 98.	1.2	23
35	Has the UK really become iodine sufficient?. Lancet Diabetes and Endocrinology,the, 2018, 6, 89-90.	5.5	4
36	Thyroid Function in Early Pregnancy, Child IQ, and Autistic Traits: A Meta-Analysis of Individual Participant Data. Journal of Clinical Endocrinology and Metabolism, 2018, 103, 2967-2979.	1.8	77

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37	Iodine as Essential Nutrient during the First 1000 Days of Life. Nutrients, 2018, 10, 290.	1.7	115
38	Endoplasmic Reticulum Stress Drives High Seleniumâ€Induced Endothelial Dysfunction. FASEB Journal, 2018, 32, 902.4.	0.2	1
39	Selenium, selenoproteins and selenometabolites in mothers and babies at the time of birth. British Journal of Nutrition, 2017, 117, 1304-1311.	1.2	20
40	The role of metabolism in the pathogenesis of osteoarthritis. Nature Reviews Rheumatology, 2017, 13, 302-311.	3.5	438
41	Multiple Nutritional Factors and the Risk of Hashimoto's Thyroiditis. Thyroid, 2017, 27, 597-610.	2.4	119
42	Iodine concentration of milk-alternative drinks available in the UK in comparison with cowsâ€™ milk. British Journal of Nutrition, 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). British Journal of Nutrition, 2017, 117, 1682-1692.	1.2	59
44	Thyroglobulin as a Functional Biomarker of Iodine Status in a Cohort Study of Pregnant Women in the United Kingdom. Thyroid, 2017, 27, 426-433.	2.4	32
45	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
46	No effect of modest selenium supplementation on insulin resistance in UK pregnant women, as assessed by plasma adiponectin concentration. British Journal of Nutrition, 2016, 115, 32-38.	1.2	21
47	Genetic polymorphisms that affect selenium status and response to selenium supplementation in United Kingdom pregnant women. American Journal of Clinical Nutrition, 2016, 103, 100-106.	2.2	48
48	Selenoprotein Gene Nomenclature. Journal of Biological Chemistry, 2016, 291, 24036-24040.	1.6	207
49	Ensuring Effective Prevention of Iodine Deficiency Disorders. Thyroid, 2016, 26, 189-196.	2.4	30
50	A multi-centre pilot study of iodine status in UK schoolchildren, aged 8â€“10Âyears. European Journal of Nutrition, 2016, 55, 2001-2009.	1.8	23
51	Effect of low-dose selenium on thyroid autoimmunity and thyroid function in UK pregnant women with mild-to-moderate iodine deficiency. European Journal of Nutrition, 2016, 55, 55-61.	1.8	120
52	Creation of an evidence-based cookbook aimed at reducing the risk of dementia. Proceedings of the Nutrition Society, 2015, 74, .	0.4	0
53	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
54	Randomised controlled trial of the effect of long-term selenium supplementation on plasma cholesterol in an elderly Danish population. British Journal of Nutrition, 2015, 114, 1807-1818.	1.2	30

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55	Selenium status in UK pregnant women and its relationship with hypertensive conditions of pregnancy. British Journal of Nutrition, 2015, 113, 249-258.	1.2	70
56	The new emergence of iodine deficiency in the UK: consequences for child neurodevelopment. Annals of Clinical Biochemistry, 2015, 52, 705-708.	0.8	24
57	Low Population Selenium Status Is Associated With Increased Prevalence of Thyroid Disease. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 4037-4047.	1.8	191
58	Gestational changes in iodine status in a cohort study of pregnant women from the United Kingdom: season as an effect modifier. American Journal of Clinical Nutrition, 2015, 101, 1180-1187.	2.2	57
59	Iodine intake and status of UK women of childbearing age recruited at the University of Surrey in the winter. British Journal of Nutrition, 2014, 112, 1715-1723.	1.2	47
60	Effect of selenium on markers of risk of pre-eclampsia in UK pregnant women: a randomised, controlled pilot trial. British Journal of Nutrition, 2014, 112, 99-111.	1.2	92
61	Availability of iodised table salt in the UK â€“ is it likely to influence population iodine intake?. Public Health Nutrition, 2014, 17, 450-454.	1.1	44
62	Iodine deficiency in pregnant women living in the South East of the UK: the influence of diet and nutritional supplements on iodine status. British Journal of Nutrition, 2014, 111, 1622-1631.	1.2	96
63	Anthropometric indices and selenium status in British adults: The U.K. National Diet and Nutrition Survey. Free Radical Biology and Medicine, 2013, 65, 1315-1321.	1.3	31
64	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). Lancet, The, 2013, 382, 331-337.	6.3	597
65	Epidemiology of selenium and type 2 diabetes: Can we make sense of it?. Free Radical Biology and Medicine, 2013, 65, 1557-1564.	1.3	187
66	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
67	Selenium and human health. Lancet, The, 2012, 379, 1256-1268.	6.3	2,486
68	Supranutritional selenium induces alterations in molecular targets related to energy metabolism in skeletal muscle and visceral adipose tissue of pigs. Journal of Inorganic Biochemistry, 2012, 114, 47-54.	1.5	78
69	A Randomized Trial of Selenium Supplementation and Risk of Type-2 Diabetes, as Assessed by Plasma Adiponectin. PLoS ONE, 2012, 7, e45269.	1.1	78
70	Effect of Supplementation With High-Selenium Yeast on Plasma Lipids. Annals of Internal Medicine, 2011, 154, 656.	2.0	100
71	Maternal selenium status during early gestation and risk for preterm birth. Cmaj, 2011, 183, 549-555.	0.9	94
72	Symposium on â€˜Geographical and geological influences on nutritionâ€™ Factors controlling the distribution of selenium in the environment and their impact on health and nutrition. Proceedings of the Nutrition Society, 2010, 69, 119-132.	0.4	168

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73	Selenium intakes in UK South Asian and Caucasian women: a longitudinal analysis. Proceedings of the Nutrition Society, 2010, 69, .	0.4	3
74	Selenoproteins and human health: Insights from epidemiological data. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 1533-1540.	1.1	169
75	Effect of selenium status and supplementation with highâ€selenium yeast on plasma homocysteine and B vitamin concentrations in the UK elderly. Molecular Nutrition and Food Research, 2008, 52, 1324-1333.	1.5	21
76	Dietary manipulation in musculoskeletal conditions. Best Practice and Research in Clinical Rheumatology, 2008, 22, 535-561.	1.4	18
77	Food-chain selenium and human health: emphasis on intake. British Journal of Nutrition, 2008, 100, 254-268.	1.2	644
78	Food-chain selenium and human health: spotlight on speciation. British Journal of Nutrition, 2008, 100, 238-253.	1.2	369
79	Randomized controlled trial of the effect of selenium supplementation on thyroid function in the elderly in the United Kingdom. American Journal of Clinical Nutrition, 2008, 87, 370-378.	2.2	97
80	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. Journal of Analytical Atomic Spectrometry, 2006, 21, 1256-1263.	1.6	40
81	Impact of Selenium on Mood and Quality of Life: A Randomized, Controlled Trial. Biological Psychiatry, 2006, 59, 147-154.	0.7	91
82	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. Journal of Analytical Atomic Spectrometry, 2005, 20, 864.	1.6	39
83	Selenium in cancer prevention: a review of the evidence and mechanism of action. Proceedings of the Nutrition Society, 2005, 64, 527-542.	0.4	704
84	Speciation and Bioavailability of Selenium in Yeast-Based Intervention Agents Used in Cancer Chemoprevention Studies. Journal of AOAC INTERNATIONAL, 2004, 87, 225-232.	0.7	101
85	The use of high-selenium yeast to raise selenium status: how does it measure up?. British Journal of Nutrition, 2004, 92, 557-573.	1.2	477
86	Selenium speciation analysis of selenium-enriched supplements by HPLC with ultrasonic nebulisation ICP-MS and electrospray MS/MS detection. Journal of Analytical Atomic Spectrometry, 2004, 19, 1529-1538.	1.6	77
87	Low selenium status is associated with the occurrence of the pregnancy disease preeclampsia in women from the United Kingdom. American Journal of Obstetrics and Gynecology, 2003, 189, 1343-1349.	0.7	136
88	The argument for increasing selenium intake. Proceedings of the Nutrition Society, 2002, 61, 203-215.	0.4	390