

Ligia Juliana DomÃ- nguez

List of Publications by Year in descending order

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Version: 2024-02-01

112
papers

4,460
citations

94269

37
h-index

114278

63
g-index

114
all docs

114
docs citations

114
times ranked

5405
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of magnesium in insulin action, diabetes and cardio-metabolic syndrome X. <i>Molecular Aspects of Medicine</i> , 2003, 24, 39-52.	2.7	361
2	Magnesium metabolism in type 2 diabetes mellitus, metabolic syndrome and insulin resistance. <i>Archives of Biochemistry and Biophysics</i> , 2007, 458, 40-47.	1.4	291
3	Magnesium homeostasis and Aging. <i>Magnesium Research</i> , 2009, 22, 235-246.	0.4	157
4	The Cardiometabolic Syndrome and Sarcopenic Obesity in Older Persons. <i>Journal of the Cardiometabolic Syndrome</i> , 2007, 2, 183-189.	1.7	155
5	Magnesium and type 2 diabetes. <i>World Journal of Diabetes</i> , 2015, 6, 1152.	1.3	144
6	Vascular Effects of Progesterone. <i>Hypertension</i> , 2001, 37, 142-147.	1.3	124
7	Mediterranean diet and mobility decline in older persons. <i>Experimental Gerontology</i> , 2011, 46, 303-308.	1.2	124
8	Extra Virgin Olive Oil Improves Learning and Memory in SAMP8 Mice. <i>Journal of Alzheimer's Disease</i> , 2012, 28, 81-92.	1.2	124
9	Magnesium in Aging, Health and Diseases. <i>Nutrients</i> , 2021, 13, 463.	1.7	123
10	Impact of Mediterranean Diet on Chronic Non-Communicable Diseases and Longevity. <i>Nutrients</i> , 2021, 13, 2028.	1.7	119
11	Nutrition, Physical Activity, and Other Lifestyle Factors in the Prevention of Cognitive Decline and Dementia. <i>Nutrients</i> , 2021, 13, 4080.	1.7	114
12	Magnesium and muscle performance in older persons: the InCHIANTI study ^{1&#x2013;3} . <i>American Journal of Clinical Nutrition</i> , 2006, 84, 419-426.	2.2	111
13	Magnesium and muscle performance in older persons: the InCHIANTI study. <i>American Journal of Clinical Nutrition</i> , 2006, 84, 419-426.	2.2	108
14	The biology of the metabolic syndrome and aging. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016, 19, 5-11.	1.3	105
15	Effects of Vitamin E and Glutathione on Glucose Metabolism. <i>Hypertension</i> , 1999, 34, 1002-1006.	1.3	100
16	Olive oil consumption and risk of CHD and/or stroke: a meta-analysis of case–control, cohort and intervention studies. <i>British Journal of Nutrition</i> , 2014, 112, 248-259.	1.2	95
17	Serum Ionized Magnesium Levels in Relation to Metabolic Syndrome in Type 2 Diabetic Patients. <i>Journal of the American College of Nutrition</i> , 2006, 25, 210-215.	1.1	89
18	Vitamin D Sources, Metabolism, and Deficiency: Available Compounds and Guidelines for Its Treatment. <i>Metabolites</i> , 2021, 11, 255.	1.3	88

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19	Oral magnesium supplementation improves vascular function in elderly diabetic patients. <i>Magnesium Research</i> , 2010, 23, 131-7.	0.4	82
20	Altered ionized magnesium levels in mild-to-moderate Alzheimer's disease. <i>Magnesium Research</i> , 2011, 24, 115-121.	0.4	70
21	Cellular Ionic Alterations with Age: Relation to Hypertension and Diabetes. <i>Journal of the American Geriatrics Society</i> , 2000, 48, 1111-1116.	1.3	63
22	Magnesium Metabolism in Hypertension and Type 2 Diabetes Mellitus. <i>American Journal of Therapeutics</i> , 2007, 14, 375-385.	0.5	61
23	Bronchial reactivity and intracellular magnesium: a possible mechanism for the bronchodilating effects of magnesium in asthma. <i>Clinical Science</i> , 1998, 95, 137-142.	1.8	60
24	Cardiovascular risk factors in centenarians. <i>Experimental Gerontology</i> , 2008, 43, 106-113.	1.2	60
25	Physiology of the aging bone and mechanisms of action of bisphosphonates. <i>Biogerontology</i> , 2011, 12, 397-408.	2.0	56
26	Oxidative Stress in Patients with Alzheimer's Disease: Effect of Extracts of Fermented Papaya Powder. <i>Mediators of Inflammation</i> , 2015, 2015, 1-6.	1.4	54
27	Nutritional prevention of cognitive decline and dementia. <i>Acta Biomedica</i> , 2018, 89, 276-290.	0.2	54
28	Magnesium and Hypertension in Old Age. <i>Nutrients</i> , 2021, 13, 139.	1.7	53
29	Magnesium in Infectious Diseases in Older People. <i>Nutrients</i> , 2021, 13, 180.	1.7	47
30	Age, Homocysteine, and Oxidative Stress: Relation to Hypertension and Type 2 Diabetes Mellitus. <i>Journal of the American College of Nutrition</i> , 2010, 29, 1-6.	1.1	46
31	Healthy Aging and Dietary Patterns. <i>Nutrients</i> , 2022, 14, 889.	1.7	45
32	Effects of Glutathione on Red Blood Cell Intracellular Magnesium. <i>Hypertension</i> , 1999, 34, 76-82.	1.3	43
33	Prescription of Antithrombotic Therapy in Older Patients Hospitalized for Transient Ischemic Attack and Ischemic Stroke: The GIFA Study. <i>Stroke</i> , 2004, 35, 913-917.	1.0	43
34	Serum ionized magnesium in diabetic older persons. <i>Metabolism: Clinical and Experimental</i> , 2014, 63, 502-509.	1.5	42
35	Collagen overglycosylation: A biochemical feature that may contribute to bone quality. <i>Biochemical and Biophysical Research Communications</i> , 2005, 330, 1-4.	1.0	39
36	Combination of intensive cognitive rehabilitation and donepezil therapy in Alzheimer's disease (AD). <i>Archives of Gerontology and Geriatrics</i> , 2010, 51, 245-249.	1.4	39

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37	The relevance of nutrition for the concept of cognitive frailty. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2017, 20, 61-68.	1.3	39
38	In-hospital complications of acute myocardial infarction in hypertensive subjects. <i>American Journal of Hypertension</i> , 2005, 18, 165-170.	1.0	35
39	Fast Food Consumption and Gestational Diabetes Incidence in the SUN Project. <i>PLoS ONE</i> , 2014, 9, e106627.	1.1	35
40	Magnesium Responsiveness to Insulin and Insulin-Like Growth Factor I in Erythrocytes from Normotensive and Hypertensive Subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998, 83, 4402-4407.	1.8	33
41	Effects of Aging on Serum Ionized and Cytosolic Free Calcium. <i>Hypertension</i> , 1999, 34, 902-906.	1.3	33
42	Dissimilar PTH, Gastrin, and Calcitonin Responses to Oral Calcium and Peptones in Hypocalciuric Hypercalcemia, Primary Hyperparathyroidism, and Normal Subjects: A Useful Tool for Differential Diagnosis. <i>Journal of Bone and Mineral Research</i> , 2005, 21, 406-412.	3.1	30
43	Dietary Patterns and Cognitive Decline: key features for prevention. <i>Current Pharmaceutical Design</i> , 2019, 25, 2428-2442.	0.9	29
44	â€œA prioriâ€•Dietary Patterns and Cognitive Function in the SUN Project. <i>Neuroepidemiology</i> , 2020, 54, 45-57.	1.1	28
45	Cellular-Free Magnesium Depletion in Brain and Muscle of Normal and Preeclamptic Pregnancy. <i>Hypertension</i> , 2004, 44, 322-326.	1.3	26
46	Increased Gastrin and Calcitonin Secretion after Oral Calcium or Peptones Administration in Patients with Hypercalciuria: A Clue to an Alteration in Calcium-Sensing Receptor Activity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005, 90, 1489-1494.	1.8	26
47	Effect of Magnesium Supplementation on Inflammatory Parameters: A Meta-Analysis of Randomized Controlled Trials. <i>Nutrients</i> , 2022, 14, 679.	1.7	26
48	Sarcopenia reduces quality of life in the long-term: longitudinal analyses from the English longitudinal study of ageing. <i>European Geriatric Medicine</i> , 2022, 13, 633-639.	1.2	25
49	Diagnosing and Managing Thyroid Disease in the Nursing Home. <i>Journal of the American Medical Directors Association</i> , 2008, 9, 9-17.	1.2	24
50	Walking in Natural Environments as Geriatricianâ€™s Recommendation for Fall Prevention: Preliminary Outcomes from the â€œPassiata Dayâ€•Model. <i>Sustainability</i> , 2020, 12, 2684.	1.6	23
51	Multimorbidity increases the risk for sarcopenia onset: Longitudinal analyses from the English Longitudinal Study of Ageing. <i>Experimental Gerontology</i> , 2021, 156, 111624.	1.2	23
52	Quinapril reduces microalbuminuria in essential hypertensive and in diabetic hypertensive subjects*. <i>American Journal of Hypertension</i> , 1995, 8, 808-814.	1.0	21
53	Insulin-Mimetic Action of Vanadate. <i>Hypertension</i> , 2001, 38, 701-704.	1.3	21
54	Happy Aged People Are All Alike, While Every Unhappy Aged Person Is Unhappy in Its Own Way. <i>PLoS ONE</i> , 2011, 6, e23377.	1.1	20

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55	Association of a Dietary Score with Incident Type 2 Diabetes: The Dietary-Based Diabetes-Risk Score (DDS). PLoS ONE, 2015, 10, e0141760.	1.1	20
56	Altered Cellular Magnesium Responsiveness to Hyperglycemia in Hypertensive Subjects. Hypertension, 2001, 38, 612-615.	1.3	19
57	Insulin Resistance and the Cardiometabolic Syndrome in HIV Infection. Journal of the Cardiometabolic Syndrome, 2009, 4, 40-43.	1.7	19
58	The Interplay between Magnesium and Testosterone in Modulating Physical Function in Men. International Journal of Endocrinology, 2014, 2014, 1-9.	0.6	19
59	Dietary Magnesium and Incident Frailty in Older People at Risk for Knee Osteoarthritis: An Eight-Year Longitudinal Study. Nutrients, 2017, 9, 1253.	1.7	18
60	Dietary fiber intake and mortality in a Mediterranean population: the "Seguimiento Universidad de Navarra" (SUN) project. European Journal of Nutrition, 2019, 58, 3009-3022.	1.8	17
61	Dietary Approaches and Supplements in the Prevention of Cognitive Decline and Alzheimer's Disease. Current Pharmaceutical Design, 2016, 22, 688-700.	0.9	17
62	Should we recommend reductions in saturated fat intake or in red/processed meat consumption? The SUN prospective cohort study. Clinical Nutrition, 2018, 37, 1389-1398.	2.3	16
63	Risk of progression to diabetes and mortality in older people with prediabetes: The English longitudinal study on ageing. Age and Ageing, 2022, 51, .	0.7	16
64	Oral Magnesium Supplementation for Treating Glucose Metabolism Parameters in People with or at Risk of Diabetes: A Systematic Review and Meta-Analysis of Double-Blind Randomized Controlled Trials. Nutrients, 2021, 13, 4074.	1.7	15
65	Magnesium in Type 2 Diabetes Mellitus, Obesity, and Metabolic Syndrome. Nutrients, 2022, 14, 714.	1.7	15
66	Protective Effects of Captopril Against Ischemic Stress. Hypertension, 1999, 34, 958-963.	1.3	14
67	Azithromycin in an Older Woman With Diabetic Gastroparesis. American Journal of Therapeutics, 2008, 15, 85-88.	0.5	14
68	Age and Muscle Function Are More Closely Associated With Intracellular Magnesium, as Assessed by ³¹ P Magnetic Resonance Spectroscopy, Than With Serum Magnesium. Frontiers in Physiology, 2019, 10, 1454.	1.3	14
69	Therapeutic options in osteoporosis. Acta Biomedica, 2010, 81 Suppl 1, 55-65.	0.2	14
70	Metabolic syndrome therapy: Prevention of vascular injury by antidiabetic agents. Current Hypertension Reports, 2005, 7, 110-116.	1.5	13
71	The place of frailty and vulnerability in the surgical risk assessment: should we move from complexity to simplicity?. Aging Clinical and Experimental Research, 2018, 30, 237-239.	1.4	13
72	Magnesium Responsiveness to Insulin and Insulin-Like Growth Factor I in Erythrocytes from Normotensive and Hypertensive Subjects. , 0, .		13

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73	Effect of COVID-19 quarantine on cognitive, functional and neuropsychiatric symptoms in patients with mild cognitive impairment and dementia. <i>Aging Clinical and Experimental Research</i> , 2022, 34, 1187-1194.	1.4	12
74	Small-Volume Hypertonic Saline Solution and High-Dosage Furosemide in the Treatment of Refractory Congestive Heart Failure. <i>Clinical Drug Investigation</i> , 2000, 19, 9-13.	1.1	11
75	Prediction of bone mass gain by bone turnover parameters after parathyroidectomy for primary hyperparathyroidism: neural network software statistical analysis. <i>Surgery</i> , 2006, 139, 827-832.	1.0	10
76	Anti-aging medicine: pitfalls and hopes. <i>Aging Male</i> , 2009, 12, 13-20.	0.9	10
77	Magnesium and the Cardiometabolic Syndrome. <i>Current Nutrition Reports</i> , 2012, 1, 100-108.	2.1	9
78	The Multidomain Nature of Malnutrition in Older Persons. <i>Journal of the American Medical Directors Association</i> , 2017, 18, 908-912.	1.2	9
79	Effect of testosterone on intracellular Ca^{++} in vascular smooth muscle cells. <i>American Journal of Hypertension</i> , 2001, 14, 1273-1275.	1.0	8
80	L'incendio di Borgo. <i>Academic Medicine</i> , 2009, 84, 1260.	0.8	8
81	Magnesium Role in Health and Longevity. <i>Healthy Ageing and Longevity</i> , 2018, , 235-264.	0.2	8
82	Low Dietary Magnesium and Overweight/Obesity in a Mediterranean Population: A Detrimental Synergy for the Development of Hypertension. <i>The SUN Project. Nutrients</i> , 2021, 13, 125.	1.7	8
83	Urinary incontinence and quality of life: A longitudinal analysis from the English Longitudinal Study of Ageing. <i>Maturitas</i> , 2022, 160, 11-15.	1.0	8
84	Lower Limb Muscle Strength and Muscle Mass Are Associated With Incident Symptomatic Knee Osteoarthritis: A Longitudinal Cohort Study. <i>Frontiers in Endocrinology</i> , 2021, 12, 804560.	1.5	8
85	Effect of Calcifediol on Physical Performance and Muscle Strength Parameters: A Systematic Review and Meta-Analysis. <i>Nutrients</i> , 2022, 14, 1860.	1.7	7
86	Intermittent intramuscular clodronate therapy: a valuable option for older osteoporotic women. <i>Age and Ageing</i> , 2005, 34, 633-636.	0.7	6
87	Acute parathyroid hormone increase by oral peptones administration after roux-en-Y gastric bypass surgery in obese subjects: Role of phosphate in the rapid control of parathyroid hormone release. <i>Surgery</i> , 2010, 147, 655-661.	1.0	6
88	Perspective: Protein Supplementation in Frail Older Persons: Often Necessary but Not Always Sufficient. <i>Journal of the American Medical Directors Association</i> , 2013, 14, 72-73.	1.2	6
89	Association of the Dietary-Based Diabetes-Risk Score (DDS) with the risk of gestational diabetes mellitus in the Seguimiento Universidad de Navarra (SUN) project. <i>British Journal of Nutrition</i> , 2019, 122, 800-807.	1.2	6
90	Magnesium Metabolism in Insulin Resistance, Metabolic Syndrome, and Type 2 Diabetes Mellitus. , 2007, , 213-223.		6

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91	Blood pressure and cardiovascular risk profiles of Africans who migrate to a Western country. <i>Ethnicity and Disease</i> , 2008, 18, 512-8.	1.0	6
92	Influenza Vaccination and COVID-19 Outcomes in People Older than 50 Years: Data from the Observational Longitudinal SHARE Study. <i>Vaccines</i> , 2022, 10, 899.	2.1	6
93	Magnesium Intake in the Pathophysiology and Treatment of the Cardiometabolic Syndrome: Where Are We in 2006?. <i>Journal of the Cardiometabolic Syndrome</i> , 2006, 1, 356-357.	1.7	5
94	Olive oil consumption is associated with lower frailty risk: a prospective cohort study of community-dwelling older adults. <i>Age and Ageing</i> , 2022, 51, .	0.7	5
95	Vitamin D substrateâ€“product relationship in idiopathic hypercalciuria. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2009, 113, 3-8.	1.2	4
96	The Paradigm of Life Extension. <i>Journal of the American Medical Directors Association</i> , 2010, 11, 457-458.	1.2	4
97	Dietary acrylamide and physical performance tests: A cross-sectional analysis. <i>PLoS ONE</i> , 2021, 16, e0259320.	1.1	2
98	Multidimensional Frailty and Vaccinations in Older People: A Cross-Sectional Study. <i>Vaccines</i> , 2022, 10, 555.	2.1	2
99	Multidimensional prognostic index and the risk of fractures: an 8-year longitudinal cohort study in the Osteoarthritis Initiative. <i>Archives of Osteoporosis</i> , 2022, 17, 5.	1.0	2
100	Antiaging Medicine. , 2010, , 145-149.		1
101	Magnesium, Oxidative Stress, and Aging Muscle. , 2014, , 157-166.		1
102	Magnesium and Alzheimerâ€™s Disease. , 2015, , 585-592.		1
103	Gerontology is essential to the identity of geriatric medicine. <i>European Geriatric Medicine</i> , 2019, 10, 835-837.	1.2	1
104	Increased Adiposity Appraised with CUN-BAE Is Highly Predictive of Incident Hypertension. The SUN Project. <i>Nutrients</i> , 2021, 13, 3309.	1.7	1
105	[The magnesium global network (MaGNet) to promote research on magnesium in diseases focusing on covid-19]. <i>Magnesium Research</i> , 2021, 34, 90-92.	0.4	1
106	20Ca The Role of Calcium As a Metallotherapeutic Drug. , 2005, , 109-124.		0
107	Diabetes-related nutrition knowledge and dietary intake among adults with type 2 diabetes. <i>British Journal of Nutrition</i> , 2015, 114, 829-830.	1.2	0
108	Dietary Strategies and Supplements for the Prevention of Cognitive Decline and Alzheimerâ€™s Disease. , 2019, , 231-247.		0

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109	Anti-aging: Myth or Reality. , 2019, , 236-236.		0
110	Thyroid Disorders in Old Age. , 2019, , .		0
111	Dietary Patterns and Healthy Ageing. Healthy Ageing and Longevity, 2021, , 301-314.	0.2	0
112	Commentary to the letter to the editor. Magnesium Research, 2011, 24, 18-18.	0.4	0