# Leocadio Rodrguez-Maas

## List of Publications by Citations



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|---|---|---|---|
| 160 papers | 8,081 citations | 47 h-index | 86 g-index |
| 187 ext. papers | 10,557 ext. citations | 5.4 avg, IF | 6.33 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 160 | Searching for an operational definition of frailty: a Delphi method based consensus statement: the frailty operative definition-consensus conference project. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2013**, 68, 62-7 | 6.4 | 664 |
| 159 | Effects of different exercise interventions on risk of falls, gait ability, and balance in physically frail older adults: a systematic review. *Rejuvenation Research*, **2013**, 16, 105-14 | 2.6 | 462 |
| 158 | Oxidative stress and vascular inflammation in aging. *Free Radical Biology and Medicine*, **2013**, 65, 380-401 | 7.8 | 333 |
| 157 | Use of renin-angiotensin-aldosterone system inhibitors and risk of COVID-19 requiring admission to hospital: a case-population study. *Lancet, The*, **2020**, 395, 1705-1714 | 40 | 251 |
| 156 | Multicomponent exercises including muscle power training enhance muscle mass, power output, and functional outcomes in institutionalized frail nonagenarians. *Age*, **2014**, 36, 773-85 | | 241 |
| 155 | A Multicomponent Exercise Intervention that Reverses Frailty and Improves Cognition, Emotion, and Social Networking in the Community-Dwelling Frail Elderly: A Randomized Clinical Trial. *Journal of the American Medical Directors Association*, **2016**, 17, 426-33 | 5.9 | 232 |
| 154 | The Asia-Pacific Clinical Practice Guidelines for the Management of Frailty. *Journal of the American Medical Directors Association*, **2017**, 18, 564-575 | 5.9 | 227 |
| 153 | Impact of Social Isolation Due to COVID-19 on Health in Older People: Mental and Physical Effects and Recommendations. *Journal of Nutrition, Health and Aging*, **2020**, 24, 938-947 | 5.2 | 200 |
| 152 | Skeletal Muscle Regulates Metabolism via Interorgan Crosstalk: Roles in Health and Disease. *Journal of the American Medical Directors Association*, **2016**, 17, 789-96 | 5.9 | 199 |
| 151 | Effectiveness of acute geriatric units on functional decline, living at home, and case fatality among older patients admitted to hospital for acute medical disorders: meta-analysis. *BMJ, The*, **2009**, 338, b50 | 5.9 | 198 |
| 150 | European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). *Redox Biology*, **2017**, 13, 94-162 | 11.3 | 185 |
| 149 | Frailty and Multimorbidity: A Systematic Review and Meta-analysis. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2019**, 74, 659-666 | 6.4 | 182 |
| 148 | Hypoglycemia in older people - a less well recognized risk factor for frailty **2015**, 6, 156-67 | | 156 |
| 147 | Endothelial dysfunction in aged humans is related with oxidative stress and vascular inflammation. *Aging Cell*, **2009**, 8, 226-38 | 9.9 | 156 |
| 146 | Effect of Exercise Intervention on Functional Decline in Very Elderly Patients During Acute Hospitalization: A Randomized Clinical Trial. *JAMA Internal Medicine*, **2019**, 179, 28-36 | 11.5 | 156 |
| 145 | Diabetes in older people: new insights and remaining challenges. *Lancet Diabetes and Endocrinology,the*, **2015**, 3, 275-85 | 18.1 | 147 |
| 144 | Frailty in the clinical scenario. *Lancet, The*, **2015**, 385, e7-e9 | 40 | 143 |

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| 143 | Mechanisms involved in the aging-induced vascular dysfunction. *Frontiers in Physiology*, **2012**, 3, 132 | 4.6 | 131 |
| 142 | Recommendations on Physical Activity and Exercise for Older Adults Living in Long-Term Care Facilities: A Taskforce Report. *Journal of the American Medical Directors Association*, **2016**, 17, 381-92 | 5.9 | 121 |
| 141 | Frailty and sarcopenia - newly emerging and high impact complications of diabetes. *Journal of Diabetes and Its Complications*, **2017**, 31, 1465-1473 | 3.2 | 105 |
| 140 | Oxidative stress is related to frailty, not to age or sex, in a geriatric population: lipid and protein oxidation as biomarkers of frailty. *Journal of the American Geriatrics Society*, **2014**, 62, 1324-8 | 5.6 | 93 |
| 139 | The "Sarcopenia and Physical fRailty IN older people: multi-componenT Treatment strategies" (SPRINTT) randomized controlled trial: design and methods. *Aging Clinical and Experimental Research*, **2017**, 29, 89-100 | 4.8 | 91 |
| 138 | Diabetes and risk of frailty and its potential mechanisms: a prospective cohort study of older adults. *Journal of the American Medical Directors Association*, **2015**, 16, 748-54 | 5.9 | 86 |
| 137 | A new operational definition of frailty: the Frailty Trait Scale. *Journal of the American Medical Directors Association*, **2014**, 15, 371.e7-371.e13 | 5.9 | 80 |
| 136 | Frailty and sarcopenia as the basis for the phenotypic manifestation of chronic diseases in older adults. *Molecular Aspects of Medicine*, **2016**, 50, 1-32 | 16.7 | 74 |
| 135 | The sit-to-stand muscle power test: An easy, inexpensive and portable procedure to assess muscle power in older people. *Experimental Gerontology*, **2018**, 112, 38-43 | 4.5 | 72 |
| 134 | Frailty, Polypharmacy, and Health Outcomes in Older Adults: The Frailty and Dependence in Albacete Study. *Journal of the American Medical Directors Association*, **2018**, 19, 46-52 | 5.9 | 71 |
| 133 | Functional capacity, muscle fat infiltration, power output, and cognitive impairment in institutionalized frail oldest old. *Rejuvenation Research*, **2013**, 16, 396-403 | 2.6 | 71 |
| 132 | Positive effects of resistance training in frail elderly patients with dementia after long-term physical restraint. *Age*, **2014**, 36, 801-11 | | 69 |
| 131 | Costs of Malnutrition in Institutionalized and Community-Dwelling Older Adults: A Systematic Review. *Journal of the American Medical Directors Association*, **2016**, 17, 17-23 | 5.9 | 67 |
| 130 | Frailty as a Major Factor in the Increased Risk of Death and Disability in Older People With Diabetes. *Journal of the American Medical Directors Association*, **2016**, 17, 949-55 | 5.9 | 67 |
| 129 | Centenarians, but not octogenarians, up-regulate the expression of microRNAs. *Scientific Reports*, **2012**, 2, 961 | 4.9 | 66 |
| 128 | High glucose induces cell death of cultured human aortic smooth muscle cells through the formation of hydrogen peroxide. *British Journal of Pharmacology*, **2001**, 133, 967-74 | 8.6 | 65 |
| 127 | Endothelial dysfunction through genetic deletion or inhibition of the G protein-coupled receptor Mas: a new target to improve endothelial function. *Journal of Hypertension*, **2007**, 25, 2421-5 | 1.9 | 64 |
| 126 | Physical activity and exercise: Strategies to manage frailty. *Redox Biology*, **2020**, 35, 101513 | 11.3 | 62 |

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| 125 | Diabetes and ageing-induced vascular inflammation. *Journal of Physiology*, **2016**, 594, 2125-46 | 3.9 | 60 |
| 124 | In Search of "Omics"-Based Biomarkers to Predict Risk of Frailty and Its Consequences in Older Individuals: The FRAILOMIC Initiative. *Gerontology*, **2016**, 62, 182-90 | 5.5 | 57 |
| 123 | Diabetes and Frailty: Two Converging Conditions?. *Canadian Journal of Diabetes*, **2016**, 40, 77-83 | 2.1 | 57 |
| 122 | Effectiveness of a multimodal intervention in functionally impaired older people with type 2 diabetes mellitus. *Journal of Cachexia, Sarcopenia and Muscle*, **2019**, 10, 721-733 | 10.3 | 56 |
| 121 | Endothelial dysfunction and metabolic control in streptozotocin-induced diabetic rats. *British Journal of Pharmacology*, **1998**, 123, 1495-502 | 8.6 | 54 |
| 120 | Obesity, fat distribution, and risk of frailty in two population-based cohorts of older adults in Spain. *Obesity*, **2015**, 23, 847-55 | 8 | 53 |
| 119 | Sex differences in the association between serum levels of testosterone and frailty in an elderly population: the Toledo Study for Healthy Aging. *PLoS ONE*, **2012**, 7, e32401 | 3.7 | 52 |
| 118 | Exercise: the lifelong supplement for healthy ageing and slowing down the onset of frailty. *Journal of Physiology*, **2016**, 594, 1989-99 | 3.9 | 51 |
| 117 | Frailty is associated with objectively assessed sedentary behaviour patterns in older adults: Evidence from the Toledo Study for Healthy Aging (TSHA). *PLoS ONE*, **2017**, 12, e0183911 | 3.7 | 50 |
| 116 | Association between endothelial dysfunction and frailty: the Toledo Study for Healthy Aging. *Age*, **2014**, 36, 495-505 | | 48 |
| 115 | Inflammation determines the pro-adhesive properties of high extracellular d-glucose in human endothelial cells in vitro and rat microvessels in vivo. *PLoS ONE*, **2010**, 5, e10091 | 3.7 | 48 |
| 114 | A New Frailty Score for Experimental Animals Based on the Clinical Phenotype: Inactivity as a Model of Frailty. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2017**, 72, 885-891 | 6.4 | 45 |
| 113 | An evaluation of the effectiveness of a multi-modal intervention in frail and pre-frail older people with type 2 diabetes--the MID-Frail study: study protocol for a randomised controlled trial. *Trials*, **2014**, 15, 34 | 2.8 | 45 |
| 112 | Association of regional muscle strength with mortality and hospitalisation in older people. *Age and Ageing*, **2015**, 44, 790-5 | 3 | 44 |
| 111 | Impact of Social Isolation Due to COVID-19 on Health in Older People: Mental and Physical Effects and Recommendations. *Journal of Nutrition, Health and Aging*, **2020**, 24, 938 | 5.2 | 44 |
| 110 | Asymmetric dimethylarginine (ADMA) elevation and arginase up-regulation contribute to endothelial dysfunction related to insulin resistance in rats and morbidly obese humans. *Journal of Physiology*, **2016**, 594, 3045-60 | 3.9 | 42 |
| 109 | Reallocating Accelerometer-Assessed Sedentary Time to Light or Moderate- to Vigorous-Intensity Physical Activity Reduces Frailty Levels in Older Adults: An Isotemporal Substitution Approach in the TSHA Study. *Journal of the American Medical Directors Association*, **2018**, 19, 185.e1-185.e6 | 5.9 | 41 |
| 108 | Sedentary behaviour, physical activity, and sarcopenia among older adults in the TSHA: isotemporal substitution model. *Journal of Cachexia, Sarcopenia and Muscle*, **2019**, 10, 188-198 | 10.3 | 34 |

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| 107 | Effects of different doses of high-speed resistance training on physical performance and quality of life in older women: a randomized controlled trial. *Clinical Interventions in Aging*, **2016**, 11, 1797-1804 | 4 | 34 |
| 106 | Impairment of nitric oxide-mediated relaxations in anaesthetized autoperfused streptozotocin-induced diabetic rats. *Naunyn-Schmiedebergs Archives of Pharmacology*, **1998**, 358, 529-37 | 3.4 | 33 |
| 105 | Cognitive Performance across 3 Frailty Phenotypes: Toledo Study for Healthy Aging. *Journal of the American Medical Directors Association*, **2017**, 18, 785-790 | 5.9 | 32 |
| 104 | Evidence for sodium azide as an artifact mediating the modulation of inducible nitric oxide synthase by C-reactive protein. *Journal of Cardiovascular Pharmacology*, **2005**, 45, 193-6 | 3.1 | 32 |
| 103 | Amadori adducts activate nuclear factor-kappaB-related proinflammatory genes in cultured human peritoneal mesothelial cells. *British Journal of Pharmacology*, **2005**, 146, 268-79 | 8.6 | 32 |
| 102 | Frailty assessment based on trunk kinematic parameters during walking. *Journal of NeuroEngineering and Rehabilitation*, **2015**, 12, 48 | 5.3 | 31 |
| 101 | Relationship Between Sarcopenia and Frailty in the Toledo Study of Healthy Aging: A Population Based Cross-Sectional Study. *Journal of the American Medical Directors Association*, **2018**, 19, 282-286 | 5.9 | 30 |
| 100 | Adipose tissue compartments, muscle mass, muscle fat infiltration, and coronary calcium in institutionalized frail nonagenarians. *European Radiology*, **2015**, 25, 2163-75 | 8 | 29 |
| 99 | Human exceptional longevity: transcriptome from centenarians is distinct from septuagenarians and reveals a role of Bcl-xL in successful aging. *Aging*, **2016**, 8, 3185-3208 | 5.6 | 29 |
| 98 | Engaging clinicians and patients to assess and improve frailty measurement in adults with end stage renal disease. *BMC Nephrology*, **2018**, 19, 8 | 2.7 | 28 |
| 97 | Age and gender, two key factors in the associations between physical activity and strength during the ageing process. *Maturitas*, **2014**, 78, 106-12 | 5 | 27 |
| 96 | Preserved endothelial function in human obesity in the absence of insulin resistance. *Journal of Translational Medicine*, **2013**, 11, 263 | 8.5 | 27 |
| 95 | Frailty as a phenotypic manifestation of underlying oxidative stress. *Free Radical Biology and Medicine*, **2020**, 149, 72-77 | 7.8 | 27 |
| 94 | Complete blockade of the vasorelaxant effects of angiotensin-(1-7) and bradykinin in murine microvessels by antagonists of the receptor Mas. *Journal of Physiology*, **2013**, 591, 2275-85 | 3.9 | 26 |
| 93 | Low calcium intake and inadequate vitamin D status in postmenopausal osteoporotic women. *Journal of Steroid Biochemistry and Molecular Biology*, **2013**, 136, 175-7 | 5.1 | 24 |
| 92 | Seasonal variance in serum levels of vitamin d determines a compensatory response by parathyroid hormone: study in an ambulatory elderly population in Quebec. *Gerontology*, **2006**, 52, 33-9 | 5.5 | 24 |
| 91 | Pharmaceutical interventions for frailty and sarcopenia. *Current Pharmaceutical Design*, **2014**, 20, 3068-82 | 3.3 | 24 |
| 90 | Hyperphosphatemia induces senescence in human endothelial cells by increasing endothelin-1 production. *Aging Cell*, **2017**, 16, 1300-1312 | 9.9 | 23 |

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| 89 | Management of Cancer in the Older Age Person: An Approach to Complex Medical Decisions. *Oncologist*, **2017**, 22, 335-342 | 5.7 | 22 |
| 88 | Diabetes mellitus as a risk factor for functional and cognitive decline in very old people: the Octabaix study. *Journal of the American Medical Directors Association*, **2014**, 15, 924-8 | 5.9 | 22 |
| 87 | Automatic evaluation of the 30-s chair stand test using inertial/magnetic-based technology in an older prefrail population. *IEEE Journal of Biomedical and Health Informatics*, **2013**, 17, 820-7 | 7.2 | 22 |
| 86 | Frailty Is Associated With Lower Expression of Genes Involved in Cellular Response to Stress: Results From the Toledo Study for Healthy Aging. *Journal of the American Medical Directors Association*, **2017**, 18, 734.e1-734.e7 | 5.9 | 22 |
| 85 | Short-term pharmacological activation of Nrf2 ameliorates vascular dysfunction in aged rats and in pathological human vasculature. A potential target for therapeutic intervention. *Redox Biology*, **2019**, 26, 101271 | 11.3 | 21 |
| 84 | Associations between frailty and serum N-terminal propeptide of type I procollagen and 25-hydroxyvitamin D in older Spanish women: The Toledo Study for Healthy Aging. *Experimental Gerontology*, **2015**, 69, 79-84 | 4.5 | 21 |
| 83 | Age-related differences in the effects of  and  peroxisome proliferator-activated receptor subtype agonists on endothelial vasodilation in human microvessels. *Experimental Gerontology*, **2012**, 47, 734-40 | 4.5 | 21 |
| 82 | Xanthine oxidase-derived extracellular superoxide anions stimulate activator protein 1 activity and hypertrophy in human vascular smooth muscle via c-Jun N-terminal kinase and p38 mitogen-activated protein kinases. *Journal of Hypertension*, **2007**, 25, 609-18 | 1.9 | 21 |
| 81 | Glycosylated human oxyhaemoglobin activates nuclear factor-kappaB and activator protein-1 in cultured human aortic smooth muscle. *British Journal of Pharmacology*, **2003**, 140, 681-90 | 8.6 | 21 |
| 80 | The deleterious effect of high concentrations of D-glucose requires pro-inflammatory preconditioning. *Journal of Hypertension*, **2008**, 26, 478-85 | 1.9 | 20 |
| 79 | The Standardization of Frailty Phenotype Criteria Improves Its Predictive Ability: The Toledo Study for Healthy Aging. *Journal of the American Medical Directors Association*, **2017**, 18, 402-408 | 5.9 | 19 |
| 78 | Effect of glycaemic control on the vascular nitric oxide system in patients with type 1 diabetes. *Journal of Hypertension*, **2003**, 21, 1137-43 | 1.9 | 19 |
| 77 | A New Functional Classification Based on Frailty and Disability Stratifies the Risk for Mortality Among Older Adults: The FRADEA Study. *Journal of the American Medical Directors Association*, **2019**, 20, 1105-1110 | 5.9 | 18 |
| 76 | Role of oestrogens on oxidative stress and inflammation in ageing. *Hormone Molecular Biology and Clinical Investigation*, **2013**, 16, 65-72 | 1.3 | 18 |
| 75 | Importance of medical data preprocessing in predictive modeling and risk factor discovery for the frailty syndrome. *BMC Medical Informatics and Decision Making*, **2019**, 19, 33 | 3.6 | 18 |
| 74 | Impact of frailty in older patients with diabetes mellitus: An overview. *Endocrinologia Y Nutricion: Organo De La Sociedad Espanola De Endocrinologia Y Nutricion*, **2016**, 63, 291-303 | | 17 |
| 73 | Dose-response association between physical activity and sedentary time categories on ageing biomarkers. *BMC Geriatrics*, **2019**, 19, 270 | 4.1 | 17 |
| 72 | Exercise training as a drug to treat age associated frailty. *Free Radical Biology and Medicine*, **2016**, 98, 159-164 | 7.8 | 17 |

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| 71 | Increased levels of soluble Receptor for Advanced Glycation End-products (RAGE) are associated with a higher risk of mortality in frail older adults. *Age and Ageing*, **2019**, 48, 696-702 | 3 | 16 |
| 70 | Changes in Health Behaviors, Mental and Physical Health among Older Adults under Severe Lockdown Restrictions during the COVID-19 Pandemic in Spain. *International Journal of Environmental Research and Public Health*, **2021**, 18, | 4.6 | 15 |
| 69 | Can Physical Activity Offset the Detrimental Consequences of Sedentary Time on Frailty? A Moderation Analysis in 749 Older Adults Measured With Accelerometers. *Journal of the American Medical Directors Association*, **2019**, 20, 634-638.e1 | 5.9 | 14 |
| 68 | Low relative mechanical power in older adults: An operational definition and algorithm for its application in the clinical setting. *Experimental Gerontology*, **2020**, 142, 111141 | 4.5 | 14 |
| 67 | Standardizing in vitro diagnostics tasks in clinical trials: a call for action. *Annals of Translational Medicine*, **2016**, 4, 181 | 3.2 | 14 |
| 66 | FRAILTOOLS study protocol: a comprehensive validation of frailty assessment tools to screen and diagnose frailty in different clinical and social settings and to provide instruments for integrated care in older adults. *BMC Geriatrics*, **2019**, 19, 86 | 4.1 | 13 |
| 65 | Endocrinology of Aging From a Muscle Function Point of View: Results From the Toledo Study for Healthy Aging. *Journal of the American Medical Directors Association*, **2017**, 18, 234-239 | 5.9 | 13 |
| 64 | Exome sequencing of three cases of familial exceptional longevity. *Aging Cell*, **2014**, 13, 1087-90 | 9.9 | 13 |
| 63 | Outcome of older critically ill patients: a matched cohort study. *Gerontology*, **2006**, 52, 169-73 | 5.5 | 13 |
| 62 | Frequency, intensity and localization of pain as risk factors for frailty in older adults. *Age and Ageing* , **2019**, 48, 74-80 | 3 | 13 |
| 61 | A Comparison of Frailty Assessment Instruments in Different Clinical and Social Care Settings: The Frailtools Project. *Journal of the American Medical Directors Association*, **2021**, 22, 607.e7-607.e12 | 5.9 | 13 |
| 60 | Noncoronary Vascular Calcification, Bone Mineral Density, and Muscle Mass in Institutionalized Frail Nonagenarians. *Rejuvenation Research*, **2017**, 20, 298-308 | 2.6 | 12 |
| 59 | The Impact of Movement Behaviors on Bone Health in Elderly with Adequate Nutritional Status: Compositional Data Analysis Depending on the Frailty Status. *Nutrients*, **2019**, 11, | 6.7 | 12 |
| 58 | Factors associated with poor balance ability in older adults of nine high-altitude communities. *Archives of Gerontology and Geriatrics*, **2018**, 77, 108-114 | 4 | 12 |
| 57 | Associations of fat-soluble micronutrients and redox biomarkers with frailty status in the FRAILOMIC initiative. *Journal of Cachexia, Sarcopenia and Muscle*, **2019**, 10, 1339-1346 | 10.3 | 12 |
| 56 | Thromboprophylaxis with the low-molecular-weight heparin bemiparin sodium in elderly medical patients in usual clinical practice: the ANCIANOS study. *Clinical Drug Investigation*, **2010**, 30, 337-45 | 3.2 | 12 |
| 55 | Vascular smooth muscle cell hypertrophy induced by glycosylated human oxyhaemoglobin. *British Journal of Pharmacology*, **1998**, 125, 637-44 | 8.6 | 12 |
| 54 | Serum uric acid concentrations and risk of frailty in older adults. *Experimental Gerontology*, **2016**, 82, 160-5 | 4.5 | 12 |

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| 53 | Physical activity trajectories, mortality, hospitalization, and disability in the Toledo Study of Healthy Aging. *Journal of Cachexia, Sarcopenia and Muscle*, **2020**, 11, 1007-1017 | 10.3 | 11 |
| 52 | Frailty: the quest for new domains, clinical definitions and subtypes. Is this justified on new evidence emerging?. *Journal of Nutrition, Health and Aging*, **2014**, 18, 92-4 | 5.2 | 11 |
| 51 | Laboratory biomarkers and frailty: presentation of the FRAILOMIC initiative. *Clinical Chemistry and Laboratory Medicine*, **2015**, 53, e253-5 | 5.9 | 11 |
| 50 | Rapid Assessment at Hospital Admission of Mortality Risk From COVID-19: The Role of Functional Status. *Journal of the American Medical Directors Association*, **2020**, 21, 1798-1802.e2 | 5.9 | 11 |
| 49 | Function But Not Multimorbidity at The Cornerstone of Geriatric Medicine. *Journal of the American Geriatrics Society*, **2017**, 65, 2333-2334 | 5.6 | 10 |
| 48 | Effects of captopril, losartan, and nifedipine on cell hypertrophy of cultured vascular smooth muscle from hypertensive Ren-2 transgenic rats. *British Journal of Pharmacology*, **1997**, 121, 1438-44 | 8.6 | 10 |
| 47 | Relation Between Genetic Factors and Frailty in Older Adults. *Journal of the American Medical Directors Association*, **2019**, 20, 1451-1457 | 5.9 | 9 |
| 46 | Older adults with frailty syndrome present an altered platelet function and an increased level of circulating oxidative stress and mitochondrial dysfunction biomarker GDF-15. *Free Radical Biology and Medicine*, **2020**, 149, 64-71 | 7.8 | 9 |
| 45 | High Serum Retinol as a Relevant Contributor to Low Bone Mineral Density in Postmenopausal Osteoporotic Women. *Calcified Tissue International*, **2018**, 102, 651-656 | 3.9 | 9 |
| 44 | Which one came first: movement behavior or frailty? A cross-lagged panel model in the Toledo Study for Healthy Aging. *Journal of Cachexia, Sarcopenia and Muscle*, **2020**, 11, 415-423 | 10.3 | 9 |
| 43 | A robust machine learning framework to identify signatures for frailty: a nested case-control study in four aging European cohorts. *GeroScience*, **2021**, 43, 1317-1329 | 8.9 | 9 |
| 42 | Amylin and hypertension: association of an amylin -G132A gene mutation and hypertension in humans and amylin-induced endothelium dysfunction in rats. *Journal of Clinical Endocrinology and Metabolism*, **2007**, 92, 1446-50 | 5.6 | 8 |
| 41 | Differential effect of amylin on endothelial-dependent vasodilation in mesenteric arteries from control and insulin resistant rats. *PLoS ONE*, **2015**, 10, e0120479 | 3.7 | 8 |
| 40 | Scoping Review of Neuroimaging Studies Investigating Frailty and Frailty Components. *Frontiers in Medicine*, **2018**, 5, 284 | 4.9 | 8 |
| 39 | Frailty Trait Scale-Short Form: A Frailty Instrument for Clinical Practice. *Journal of the American Medical Directors Association*, **2020**, 21, 1260-1266.e2 | 5.9 | 7 |
| 38 | Multivessel analysis of progressive vascular aging in the rat: Asynchronous vulnerability among vascular territories. *Mechanisms of Ageing and Development*, **2018**, 173, 39-49 | 5.6 | 7 |
| 37 | Caídas repetidas en el medio residencial. *Revista Espanola De Geriatria Y Gerontologia*, **2006**, 41, 201-206 | 1.7 | 7 |
| 36 | Thapsigargin induces apoptosis in cultured human aortic smooth muscle cells. *Journal of Cardiovascular Pharmacology*, **2000**, 36, 676-80 | 3.1 | 6 |

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| 35 | Nonlinear relationship between waist to hip ratio, weight and strength in elders: is gender the key?. *Biogerontology*, **2015**, 16, 685-92 | 4.5 | 5 |
| 34 | Threshold of Relative Muscle Power Required to Rise from a Chair and Mobility Limitations and Disability in Older Adults. *Medicine and Science in Sports and Exercise*, **2021**, 53, 2217-2224 | 1.2 | 5 |
| 33 | Differential effects of metformin glycinate and hydrochloride in glucose production, AMPK phosphorylation and insulin sensitivity in hepatocytes from non-diabetic and diabetic mice. *Food and Chemical Toxicology*, **2019**, 123, 470-480 | 4.7 | 5 |
| 32 | Better Nutritional Status Is Positively Associated with mRNA Expression of SIRT1 in Community-Dwelling Older Adults in the Toledo Study for Healthy Aging. *Journal of Nutrition*, **2018**, 148, 1408-1414 | 4.1 | 5 |
| 31 | Haemostatic agent etamsylate in vitro and in vivo antagonizes anti-coagulant activity of heparin. *European Journal of Pharmacology*, **2018**, 827, 167-172 | 5.3 | 4 |
| 30 | Pathways responsible for apoptosis resulting from amadori-induced oxidative and nitrosative stress in human mesothelial cells. *American Journal of Nephrology*, **2011**, 34, 104-14 | 4.6 | 4 |
| 29 | Enhanced Contribution of Orai Channels to Contractility of Human Penile Smooth Muscle in Erectile Dysfunction. *Journal of Sexual Medicine*, **2020**, 17, 881-891 | 1.1 | 3 |
| 28 | Prospective Changes in the Distribution of Movement Behaviors Are Associated With Bone Health in the Elderly According to Variations in their Frailty Levels. *Journal of Bone and Mineral Research*, **2020**, 35, 1236-1245 | 6.3 | 3 |
| 27 | The emergence of frailty and sarcopaenia in diabetes mellitus: description of inter-relationships and clinical importance. *Cardiovascular Endocrinology*, **2016**, 5, 40-50 | | 3 |
| 26 | Dual effects of insulin resistance on mortality and function in non-diabetic older adults: findings from the Toledo Study of Healthy Aging. *GeroScience*, **2021**, 1 | 8.9 | 3 |
| 25 | Portable Ultrasound-Based Device for Detecting Older AdultsRSit-to-Stand Transitions in Unsupervised 30-Second Chair-Stand Tests. *Sensors*, **2020**, 20, | 3.8 | 3 |
| 24 | Association between telomere length, frailty and death in older adults. *GeroScience*, **2021**, 43, 1015-1027 | 8.9 | 3 |
| 23 | Impact of relative muscle power on hospitalization and all-cause mortality in older adults. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**, | 6.4 | 3 |
| 22 | Relative sit-to-stand power cut-off points and their association with negatives outcomes in older adults. *Scientific Reports*, **2021**, 11, 19460 | 4.9 | 3 |
| 21 | Two-Year Follow-up of a Multimodal Intervention on Functional Capacity and Muscle Power in Frail Patients With Type 2 Diabetes. *Journal of the American Medical Directors Association*, **2021**, 22, 1906-1911 | 5.9 | 3 |
| 20 | Relationship between self-reported visual impairment and worsening frailty transition states in older people: a longitudinal study. *Aging Clinical and Experimental Research*, **2021**, 33, 2491-2498 | 4.8 | 3 |
| 19 | Usefulness of 2 questions about age and year of birth in the case-finding of dementia. *Journal of the American Medical Directors Association*, **2013**, 14, 627.e7-12 | 5.9 | 2 |
| 18 | Comparison of available equations to estimate sit-to-stand muscle power and their association with gait speed and frailty in older people: Practical applications for the 5-rep sit-to-stand test. *Experimental Gerontology*, **2021**, 156, 111619 | 4.5 | 2 |

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| 17 | Relationship between Physical Performance and Frailty Syndrome in Older Adults: The Mediating Role of Physical Activity, Sedentary Time and Body Composition. *International Journal of Environmental Research and Public Health*, **2020**, 18, | 4.6 | 2 |
| 16 | Breaking Sedentary Time Predicts Future Frailty in Inactive Older Adults: A Cross-Lagged Panel Model. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**, 76, 893-900 | 6.4 | 2 |
| 15 | Associations between frailty trajectories and frailty status and adverse outcomes in community-dwelling older adults.. *Journal of Cachexia, Sarcopenia and Muscle*, **2021**, | 10.3 | 2 |
| 14 | Functional Connectivity Disruption in Frail Older Adults Without Global Cognitive Deficits. *Frontiers in Medicine*, **2020**, 7, 322 | 4.9 | 1 |
| 13 | Frailty **2014**, 345-355 | | 1 |
| 12 | A step forward in the right direction. *Journal of Nutrition, Health and Aging*, **2014**, 18, 465-6 | 5.2 | 1 |
| 11 | Automedida de la presión arterial. Documento de Consenso Español 2007. *Revista Espanola De Geriatria Y Gerontologia*, **2007**, 42, 115-128 | 1.7 | 1 |
| 10 | Early detection of accelerated aging and cellular decline (AACD): A consensus statement. *Experimental Gerontology*, **2021**, 146, 111242 | 4.5 | 1 |
| 9 | The ability of eight frailty instruments to identify adverse outcomes across different settings: the FRAILTOOLS project.. *Journal of Cachexia, Sarcopenia and Muscle*, **2022**, | 10.3 | 1 |
| 8 | Monitoring and Intervention Technologies to Manage Diabetic Older Persons: The CAPACITY Case-A Pilot Study. *Frontiers in Endocrinology*, **2020**, 11, 300 | 5.7 | 0 |
| 7 | Estrategias para un control eficaz de la hipertensión arterial en España. Documento de consenso. *Revista Espanola De Geriatria Y Gerontologia*, **2006**, 41, 301-305 | 1.7 | 0 |
| 6 | Frailty in kidney transplant candidates: a comparison between physical frailty phenotype and FRAIL scales.. *Journal of Nephrology*, **2022**, 1 | 4.8 | 0 |
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