

Leocadio Rodriguez-Maas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Frailty in kidney transplant candidates: a comparison between physical frailty phenotype and FRAIL scales.. <i>Journal of Nephrology</i> , 2022 , 1	4.8	0
159	The ability of eight frailty instruments to identify adverse outcomes across different settings: the FRAILTOOLS project.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022 ,	10.3	1
158	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. <i>Experimental Gerontology</i> , 2021 , 156, 111619	4.5	2
157	Ageing-induced hypercontractility is related to functional enhancement of STIM/Orai and upregulation of Orai 3 in rat and human penile tissue. <i>Mechanisms of Ageing and Development</i> , 2021 , 200, 111590	5.6	0
156	Early detection of accelerated aging and cellular decline (AACD): A consensus statement. <i>Experimental Gerontology</i> , 2021 , 146, 111242	4.5	1
155	Threshold of Relative Muscle Power Required to Rise from a Chair and Mobility Limitations and Disability in Older Adults. <i>Medicine and Science in Sports and Exercise</i> , 2021 , 53, 2217-2224	1.2	5
154	Dual effects of insulin resistance on mortality and function in non-diabetic older adults: findings from the Toledo Study of Healthy Aging. <i>GeroScience</i> , 2021 , 1	8.9	3
153	Changes in Health Behaviors, Mental and Physical Health among Older Adults under Severe Lockdown Restrictions during the COVID-19 Pandemic in Spain. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	15
152	Breaking Sedentary Time Predicts Future Frailty in Inactive Older Adults: A Cross-Lagged Panel Model. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 , 76, 893-900	6.4	2
151	A Comparison of Frailty Assessment Instruments in Different Clinical and Social Care Settings: The Frailtools Project. <i>Journal of the American Medical Directors Association</i> , 2021 , 22, 607.e7-607.e12	5.9	13
150	Association between telomere length, frailty and death in older adults. <i>GeroScience</i> , 2021 , 43, 1015-1023	8.9	3
149	A robust machine learning framework to identify signatures for frailty: a nested case-control study in four aging European cohorts. <i>GeroScience</i> , 2021 , 43, 1317-1329	8.9	9
148	Ongoing Oscillatory Electrophysiological Alterations in Frail Older Adults: A MEG Study. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 609043	5.3	0
147	Impact of relative muscle power on hospitalization and all-cause mortality in older adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021 ,	6.4	3
146	Relative sit-to-stand power cut-off points and their association with negatives outcomes in older adults. <i>Scientific Reports</i> , 2021 , 11, 19460	4.9	3
145	Two-Year Follow-up of a Multimodal Intervention on Functional Capacity and Muscle Power in Frail Patients With Type 2 Diabetes. <i>Journal of the American Medical Directors Association</i> , 2021 , 22, 1906-1911	5.9	3
144	Relationship between self-reported visual impairment and worsening frailty transition states in older people: a longitudinal study. <i>Aging Clinical and Experimental Research</i> , 2021 , 33, 2491-2498	4.8	3

143	Early manifestation of aging-related vascular dysfunction in human penile vasculature-A potential explanation for the role of erectile dysfunction as a harbinger of systemic vascular disease.. <i>GeroScience</i> , 2021 , 44, 485	8.9	0
142	Associations between frailty trajectories and frailty status and adverse outcomes in community-dwelling older adults.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2021 ,	10.3	2
141	Use of renin-angiotensin-aldosterone system inhibitors and risk of COVID-19 requiring admission to hospital: a case-population study. <i>Lancet, The</i> , 2020 , 395, 1705-1714	4.0	251
140	Monitoring and Intervention Technologies to Manage Diabetic Older Persons: The CAPACITY Case-A Pilot Study. <i>Frontiers in Endocrinology</i> , 2020 , 11, 300	5.7	0
139	Physical activity trajectories, mortality, hospitalization, and disability in the Toledo Study of Healthy Aging. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020 , 11, 1007-1017	10.3	11
138	Physical activity and exercise: Strategies to manage frailty. <i>Redox Biology</i> , 2020 , 35, 101513	11.3	62
137	Enhanced Contribution of Orai Channels to Contractility of Human Penile Smooth Muscle in Erectile Dysfunction. <i>Journal of Sexual Medicine</i> , 2020 , 17, 881-891	1.1	3
136	Functional Connectivity Disruption in Frail Older Adults Without Global Cognitive Deficits. <i>Frontiers in Medicine</i> , 2020 , 7, 322	4.9	1
135	Prospective Changes in the Distribution of Movement Behaviors Are Associated With Bone Health in the Elderly According to Variations in their Frailty Levels. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 1236-1245	6.3	3
134	Older adults with frailty syndrome present an altered platelet function and an increased level of circulating oxidative stress and mitochondrial dysfunction biomarker GDF-15. <i>Free Radical Biology and Medicine</i> , 2020 , 149, 64-71	7.8	9
133	Frailty Trait Scale-Short Form: A Frailty Instrument for Clinical Practice. <i>Journal of the American Medical Directors Association</i> , 2020 , 21, 1260-1266.e2	5.9	7
132	Relationship between Physical Performance and Frailty Syndrome in Older Adults: The Mediating Role of Physical Activity, Sedentary Time and Body Composition. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 18,	4.6	2
131	Which one came first: movement behavior or frailty? A cross-lagged panel model in the Toledo Study for Healthy Aging. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2020 , 11, 415-423	10.3	9
130	Impact of Social Isolation Due to COVID-19 on Health in Older People: Mental and Physical Effects and Recommendations. <i>Journal of Nutrition, Health and Aging</i> , 2020 , 24, 938	5.2	44
129	Impact of Social Isolation Due to COVID-19 on Health in Older People: Mental and Physical Effects and Recommendations. <i>Journal of Nutrition, Health and Aging</i> , 2020 , 24, 938-947	5.2	200
128	Rapid Assessment at Hospital Admission of Mortality Risk From COVID-19: The Role of Functional Status. <i>Journal of the American Medical Directors Association</i> , 2020 , 21, 1798-1802.e2	5.9	11
127	Low relative mechanical power in older adults: An operational definition and algorithm for its application in the clinical setting. <i>Experimental Gerontology</i> , 2020 , 142, 111141	4.5	14
126	Frailty as a phenotypic manifestation of underlying oxidative stress. <i>Free Radical Biology and Medicine</i> , 2020 , 149, 72-77	7.8	27

125	Portable Ultrasound-Based Device for Detecting Older Adults' Sit-to-Stand Transitions in Unsupervised 30-Second Chair-Stand Tests. <i>Sensors</i> , 2020 , 20,	3.8	3
124	Increased levels of soluble Receptor for Advanced Glycation End-products (RAGE) are associated with a higher risk of mortality in frail older adults. <i>Age and Ageing</i> , 2019 , 48, 696-702	3	16
123	Relation Between Genetic Factors and Frailty in Older Adults. <i>Journal of the American Medical Directors Association</i> , 2019 , 20, 1451-1457	5.9	9
122	Effectiveness of a multimodal intervention in functionally impaired older people with type 2 diabetes mellitus. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019 , 10, 721-733	10.3	56
121	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. <i>BMC Geriatrics</i> , 2019 , 19, 86	4.1	13
120	Sedentary behaviour, physical activity, and sarcopenia among older adults in the TSHA: isothermal substitution model. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019 , 10, 188-198	10.3	34
119	A New Functional Classification Based on Frailty and Disability Stratifies the Risk for Mortality Among Older Adults: The FRADEA Study. <i>Journal of the American Medical Directors Association</i> , 2019 , 20, 1105-1110	5.9	18
118	The Impact of Movement Behaviors on Bone Health in Elderly with Adequate Nutritional Status: Compositional Data Analysis Depending on the Frailty Status. <i>Nutrients</i> , 2019 , 11,	6.7	12
117	Can Physical Activity Offset the Detrimental Consequences of Sedentary Time on Frailty? A Moderation Analysis in 749 Older Adults Measured With Accelerometers. <i>Journal of the American Medical Directors Association</i> , 2019 , 20, 634-638.e1	5.9	14
116	Associations of fat-soluble micronutrients and redox biomarkers with frailty status in the FRAILOMIC initiative. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2019 , 10, 1339-1346	10.3	12
115	Short-term pharmacological activation of Nrf2 ameliorates vascular dysfunction in aged rats and in pathological human vasculature. A potential target for therapeutic intervention. <i>Redox Biology</i> , 2019 , 26, 101271	11.3	21
114	Dose-response association between physical activity and sedentary time categories on ageing biomarkers. <i>BMC Geriatrics</i> , 2019 , 19, 270	4.1	17
113	Importance of medical data preprocessing in predictive modeling and risk factor discovery for the frailty syndrome. <i>BMC Medical Informatics and Decision Making</i> , 2019 , 19, 33	3.6	18
112	Effect of Exercise Intervention on Functional Decline in Very Elderly Patients During Acute Hospitalization: A Randomized Clinical Trial. <i>JAMA Internal Medicine</i> , 2019 , 179, 28-36	11.5	156
111	Differential effects of metformin glycinate and hydrochloride in glucose production, AMPK phosphorylation and insulin sensitivity in hepatocytes from non-diabetic and diabetic mice. <i>Food and Chemical Toxicology</i> , 2019 , 123, 470-480	4.7	5
110	Frequency, intensity and localization of pain as risk factors for frailty in older adults. <i>Age and Ageing</i> , 2019 , 48, 74-80	3	13
109	Frailty and Multimorbidity: A Systematic Review and Meta-analysis. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 659-666	6.4	182
108	Multivessel analysis of progressive vascular aging in the rat: Asynchronous vulnerability among vascular territories. <i>Mechanisms of Ageing and Development</i> , 2018 , 173, 39-49	5.6	7

107	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. <i>Journal of the American Medical Directors Association</i> , 2018 , 19, 185.e1-185.e6	5.9	41
106	High Serum Retinol as a Relevant Contributor to Low Bone Mineral Density in Postmenopausal Osteoporotic Women. <i>Calcified Tissue International</i> , 2018 , 102, 651-656	3.9	9
105	Haemostatic agent etamsylate in vitro and in vivo antagonizes anti-coagulant activity of heparin. <i>European Journal of Pharmacology</i> , 2018 , 827, 167-172	5.3	4
104	Relationship Between Sarcopenia and Frailty in the Toledo Study of Healthy Aging: A Population Based Cross-Sectional Study. <i>Journal of the American Medical Directors Association</i> , 2018 , 19, 282-286	5.9	30
103	Frailty, Polypharmacy, and Health Outcomes in Older Adults: The Frailty and Dependence in Albacete Study. <i>Journal of the American Medical Directors Association</i> , 2018 , 19, 46-52	5.9	71
102	Engaging clinicians and patients to assess and improve frailty measurement in adults with end stage renal disease. <i>BMC Nephrology</i> , 2018 , 19, 8	2.7	28
101	Factors associated with poor balance ability in older adults of nine high-altitude communities. <i>Archives of Gerontology and Geriatrics</i> , 2018 , 77, 108-114	4	12
100	Scoping Review of Neuroimaging Studies Investigating Frailty and Frailty Components. <i>Frontiers in Medicine</i> , 2018 , 5, 284	4.9	8
99	Better Nutritional Status Is Positively Associated with mRNA Expression of SIRT1 in Community-Dwelling Older Adults in the Toledo Study for Healthy Aging. <i>Journal of Nutrition</i> , 2018 , 148, 1408-1414	4.1	5
98	The sit-to-stand muscle power test: An easy, inexpensive and portable procedure to assess muscle power in older people. <i>Experimental Gerontology</i> , 2018 , 112, 38-43	4.5	72
97	The "Sarcopenia and Physical Frailty IN older people: multi-component Treatment strategies" (SPRINTT) randomized controlled trial: design and methods. <i>Aging Clinical and Experimental Research</i> , 2017 , 29, 89-100	4.8	91
96	Management of Cancer in the Older Age Person: An Approach to Complex Medical Decisions. <i>Oncologist</i> , 2017 , 22, 335-342	5.7	22
95	The Standardization of Frailty Phenotype Criteria Improves Its Predictive Ability: The Toledo Study for Healthy Aging. <i>Journal of the American Medical Directors Association</i> , 2017 , 18, 402-408	5.9	19
94	Noncoronary Vascular Calcification, Bone Mineral Density, and Muscle Mass in Institutionalized Frail Nonagenarians. <i>Rejuvenation Research</i> , 2017 , 20, 298-308	2.6	12
93	Frailty and sarcopenia - newly emerging and high impact complications of diabetes. <i>Journal of Diabetes and Its Complications</i> , 2017 , 31, 1465-1473	3.2	105
92	A New Frailty Score for Experimental Animals Based on the Clinical Phenotype: Inactivity as a Model of Frailty. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 885-891	6.4	45
91	Cognitive Performance across 3 Frailty Phenotypes: Toledo Study for Healthy Aging. <i>Journal of the American Medical Directors Association</i> , 2017 , 18, 785-790	5.9	32
90	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). <i>Redox Biology</i> , 2017 , 13, 94-162	11.3	185

89	Function But Not Multimorbidity at The Cornerstone of Geriatric Medicine. <i>Journal of the American Geriatrics Society</i> , 2017 , 65, 2333-2334	5.6	10
88	Hyperphosphatemia induces senescence in human endothelial cells by increasing endothelin-1 production. <i>Aging Cell</i> , 2017 , 16, 1300-1312	9.9	23
87	The Asia-Pacific Clinical Practice Guidelines for the Management of Frailty. <i>Journal of the American Medical Directors Association</i> , 2017 , 18, 564-575	5.9	227
86	Frailty Is Associated With Lower Expression of Genes Involved in Cellular Response to Stress: Results From the Toledo Study for Healthy Aging. <i>Journal of the American Medical Directors Association</i> , 2017 , 18, 734.e1-734.e7	5.9	22
85	Endocrinology of Aging From a Muscle Function Point of View: Results From the Toledo Study for Healthy Aging. <i>Journal of the American Medical Directors Association</i> , 2017 , 18, 234-239	5.9	13
84	Frailty is associated with objectively assessed sedentary behaviour patterns in older adults: Evidence from the Toledo Study for Healthy Aging (TSHA). <i>PLoS ONE</i> , 2017 , 12, e0183911	3.7	50
83	In Search of Omics-Based Biomarkers to Predict Risk of Frailty and Its Consequences in Older Individuals: The FRAILOMIC Initiative. <i>Gerontology</i> , 2016 , 62, 182-90	5.5	57
82	Asymmetric dimethylarginine (ADMA) elevation and arginase up-regulation contribute to endothelial dysfunction related to insulin resistance in rats and morbidly obese humans. <i>Journal of Physiology</i> , 2016 , 594, 3045-60	3.9	42
81	The emergence of frailty and sarcopaenia in diabetes mellitus: description of inter-relationships and clinical importance. <i>Cardiovascular Endocrinology</i> , 2016 , 5, 40-50		3
80	Diabetes and ageing-induced vascular inflammation. <i>Journal of Physiology</i> , 2016 , 594, 2125-46	3.9	60
79	Skeletal Muscle Regulates Metabolism via Interorgan Crosstalk: Roles in Health and Disease. <i>Journal of the American Medical Directors Association</i> , 2016 , 17, 789-96	5.9	199
78	Recommendations on Physical Activity and Exercise for Older Adults Living in Long-Term Care Facilities: A Taskforce Report. <i>Journal of the American Medical Directors Association</i> , 2016 , 17, 381-92	5.9	121
77	Impact of frailty in older patients with diabetes mellitus: An overview. <i>Endocrinología Y Nutrición: Organo De La Sociedad Española De Endocrinología Y Nutrición</i> , 2016 , 63, 291-303		17
76	A Multicomponent Exercise Intervention that Reverses Frailty and Improves Cognition, Emotion, and Social Networking in the Community-Dwelling Frail Elderly: A Randomized Clinical Trial. <i>Journal of the American Medical Directors Association</i> , 2016 , 17, 426-33	5.9	232
75	Diabetes and Frailty: Two Converging Conditions?. <i>Canadian Journal of Diabetes</i> , 2016 , 40, 77-83	2.1	57
74	Costs of Malnutrition in Institutionalized and Community-Dwelling Older Adults: A Systematic Review. <i>Journal of the American Medical Directors Association</i> , 2016 , 17, 17-23	5.9	67
73	From Personal to Mobile Healthcare. <i>Advances in Multimedia and Interactive Technologies Book Series</i> , 2016 , 124-137	0.2	
72	Human exceptional longevity: transcriptome from centenarians is distinct from septuagenarians and reveals a role of Bcl-xL in successful aging. <i>Aging</i> , 2016 , 8, 3185-3208	5.6	29

71	Effects of different doses of high-speed resistance training on physical performance and quality of life in older women: a randomized controlled trial. <i>Clinical Interventions in Aging</i> , 2016 , 11, 1797-1804	4	34
70	Standardizing in vitro diagnostics tasks in clinical trials: a call for action. <i>Annals of Translational Medicine</i> , 2016 , 4, 181	3.2	14
69	Serum uric acid concentrations and risk of frailty in older adults. <i>Experimental Gerontology</i> , 2016 , 82, 160-5	4.5	12
68	Frailty and sarcopenia as the basis for the phenotypic manifestation of chronic diseases in older adults. <i>Molecular Aspects of Medicine</i> , 2016 , 50, 1-32	16.7	74
67	Exercise: the lifelong supplement for healthy ageing and slowing down the onset of frailty. <i>Journal of Physiology</i> , 2016 , 594, 1989-99	3.9	51
66	Exercise training as a drug to treat age associated frailty. <i>Free Radical Biology and Medicine</i> , 2016 , 98, 159-164	7.8	17
65	Frailty as a Major Factor in the Increased Risk of Death and Disability in Older People With Diabetes. <i>Journal of the American Medical Directors Association</i> , 2016 , 17, 949-55	5.9	67
64	Adipose tissue compartments, muscle mass, muscle fat infiltration, and coronary calcium in institutionalized frail nonagenarians. <i>European Radiology</i> , 2015 , 25, 2163-75	8	29
63	Hypoglycemia in older people - a less well recognized risk factor for frailty 2015 , 6, 156-67		156
62	Diabetes and risk of frailty and its potential mechanisms: a prospective cohort study of older adults. <i>Journal of the American Medical Directors Association</i> , 2015 , 16, 748-54	5.9	86
61	Association of regional muscle strength with mortality and hospitalisation in older people. <i>Age and Ageing</i> , 2015 , 44, 790-5	3	44
60	Diabetes in older people: new insights and remaining challenges. <i>Lancet Diabetes and Endocrinology</i> , 2015 , 3, 275-85	18.1	147
59	Frailty in the clinical scenario. <i>Lancet, The</i> , 2015 , 385, e7-e9	4.0	143
58	Obesity, fat distribution, and risk of frailty in two population-based cohorts of older adults in Spain. <i>Obesity</i> , 2015 , 23, 847-55	8	53
57	Frailty assessment based on trunk kinematic parameters during walking. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2015 , 12, 48	5.3	31
56	Nonlinear relationship between waist to hip ratio, weight and strength in elders: is gender the key?. <i>Biogerontology</i> , 2015 , 16, 685-92	4.5	5
55	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. <i>Experimental Gerontology</i> , 2015 , 69, 79-84	4.5	21
54	Laboratory biomarkers and frailty: presentation of the FRAILOMIC initiative. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015 , 53, e253-5	5.9	11

53	Differential effect of amylin on endothelial-dependent vasodilation in mesenteric arteries from control and insulin resistant rats. <i>PLoS ONE</i> , 2015 , 10, e0120479	3.7	8
52	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. <i>Trials</i> , 2014 , 15, 34	2.8	45
51	Frailty: the quest for new domains, clinical definitions and subtypes. Is this justified on new evidence emerging?. <i>Journal of Nutrition, Health and Aging</i> , 2014 , 18, 92-4	5.2	11
50	Positive effects of resistance training in frail elderly patients with dementia after long-term physical restraint. <i>Age</i> , 2014 , 36, 801-11		69
49	A new operational definition of frailty: the Frailty Trait Scale. <i>Journal of the American Medical Directors Association</i> , 2014 , 15, 371.e7-371.e13	5.9	80
48	Diabetes mellitus as a risk factor for functional and cognitive decline in very old people: the Octabaix study. <i>Journal of the American Medical Directors Association</i> , 2014 , 15, 924-8	5.9	22
47	Frailty 2014 , 345-355		1
46	Oxidative stress is related to frailty, not to age or sex, in a geriatric population: lipid and protein oxidation as biomarkers of frailty. <i>Journal of the American Geriatrics Society</i> , 2014 , 62, 1324-8	5.6	93
45	Multicomponent exercises including muscle power training enhance muscle mass, power output, and functional outcomes in institutionalized frail nonagenarians. <i>Age</i> , 2014 , 36, 773-85		241
44	A step forward in the right direction. <i>Journal of Nutrition, Health and Aging</i> , 2014 , 18, 465-6	5.2	1
43	Age and gender, two key factors in the associations between physical activity and strength during the ageing process. <i>Maturitas</i> , 2014 , 78, 106-12	5	27
42	Exome sequencing of three cases of familial exceptional longevity. <i>Aging Cell</i> , 2014 , 13, 1087-90	9.9	13
41	Association between endothelial dysfunction and frailty: the Toledo Study for Healthy Aging. <i>Age</i> , 2014 , 36, 495-505		48
40	Pharmaceutical interventions for frailty and sarcopenia. <i>Current Pharmaceutical Design</i> , 2014 , 20, 3068-83	3.3	24
39	Oxidative stress and vascular inflammation in aging. <i>Free Radical Biology and Medicine</i> , 2013 , 65, 380-401	7.8	333
38	Automatic evaluation of the 30-s chair stand test using inertial/magnetic-based technology in an older prefrail population. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2013 , 17, 820-7	7.2	22
37	Searching for an operational definition of frailty: a Delphi method based consensus statement: the frailty operative definition-consensus conference project. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2013 , 68, 62-7	6.4	664
36	Low calcium intake and inadequate vitamin D status in postmenopausal osteoporotic women. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013 , 136, 175-7	5.1	24

35	Usefulness of 2 questions about age and year of birth in the case-finding of dementia. <i>Journal of the American Medical Directors Association</i> , 2013 , 14, 627.e7-12	5.9	2
34	Effects of different exercise interventions on risk of falls, gait ability, and balance in physically frail older adults: a systematic review. <i>Rejuvenation Research</i> , 2013 , 16, 105-14	2.6	462
33	Role of oestrogens on oxidative stress and inflammation in ageing. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2013 , 16, 65-72	1.3	18
32	Complete blockade of the vasorelaxant effects of angiotensin-(1-7) and bradykinin in murine microvessels by antagonists of the receptor Mas. <i>Journal of Physiology</i> , 2013 , 591, 2275-85	3.9	26
31	Functional capacity, muscle fat infiltration, power output, and cognitive impairment in institutionalized frail oldest old. <i>Rejuvenation Research</i> , 2013 , 16, 396-403	2.6	71
30	Preserved endothelial function in human obesity in the absence of insulin resistance. <i>Journal of Translational Medicine</i> , 2013 , 11, 263	8.5	27
29	Centenarians, but not octogenarians, up-regulate the expression of microRNAs. <i>Scientific Reports</i> , 2012 , 2, 961	4.9	66
28	Age-related differences in the effects of α and β peroxisome proliferator-activated receptor subtype agonists on endothelial vasodilation in human microvessels. <i>Experimental Gerontology</i> , 2012 , 47, 734-40	4.5	21
27	Sex differences in the association between serum levels of testosterone and frailty in an elderly population: the Toledo Study for Healthy Aging. <i>PLoS ONE</i> , 2012 , 7, e32401	3.7	52
26	Mechanisms involved in the aging-induced vascular dysfunction. <i>Frontiers in Physiology</i> , 2012 , 3, 132	4.6	131
25	Disfunci3n endotelial asociada al envejecimiento vascular humano. <i>Cl3nica E Investigaci3n En Arteriosclerosis</i> , 2011 , 23, 135-139	1.4	
24	Pathways responsible for apoptosis resulting from amadori-induced oxidative and nitrosative stress in human mesothelial cells. <i>American Journal of Nephrology</i> , 2011 , 34, 104-14	4.6	4
23	Thromboprophylaxis with the low-molecular-weight heparin bemiparin sodium in elderly medical patients in usual clinical practice: the ANCIANOS study. <i>Clinical Drug Investigation</i> , 2010 , 30, 337-45	3.2	12
22	Inflammation determines the pro-adhesive properties of high extracellular d-glucose in human endothelial cells in vitro and rat microvessels in vivo. <i>PLoS ONE</i> , 2010 , 5, e10091	3.7	48
21	Endothelial dysfunction in aged humans is related with oxidative stress and vascular inflammation. <i>Aging Cell</i> , 2009 , 8, 226-38	9.9	156
20	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. <i>BMJ, The</i> , 2009 , 338, b50	5.9	198
19	The deleterious effect of high concentrations of D-glucose requires pro-inflammatory preconditioning. <i>Journal of Hypertension</i> , 2008 , 26, 478-85	1.9	20
18	Amylin and hypertension: association of an amylin -G132A gene mutation and hypertension in humans and amylin-induced endothelium dysfunction in rats. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007 , 92, 1446-50	5.6	8

17	Endothelial dysfunction through genetic deletion or inhibition of the G protein-coupled receptor Mas: a new target to improve endothelial function. <i>Journal of Hypertension</i> , 2007 , 25, 2421-5	1.9	64
16	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. <i>Journal of Hypertension</i> , 2007 , 25, 609-18	1.9	21
15	Automedida de la presión arterial. Documento de Consenso Español 2007. <i>Revista Espanola De Geriatria Y Gerontologia</i> , 2007 , 42, 115-128	1.7	1
14	Outcome of older critically ill patients: a matched cohort study. <i>Gerontology</i> , 2006 , 52, 169-73	5.5	13
13	Seasonal variance in serum levels of vitamin d determines a compensatory response by parathyroid hormone: study in an ambulatory elderly population in Quebec. <i>Gerontology</i> , 2006 , 52, 33-9	5.5	24
12	Caídas repetidas en el medio residencial. <i>Revista Espanola De Geriatria Y Gerontologia</i> , 2006 , 41, 201-206	1.7	7
11	Estrategias para un control eficaz de la hipertensión arterial en España. Documento de consenso. <i>Revista Espanola De Geriatria Y Gerontologia</i> , 2006 , 41, 301-305	1.7	0
10	Evidence for sodium azide as an artifact mediating the modulation of inducible nitric oxide synthase by C-reactive protein. <i>Journal of Cardiovascular Pharmacology</i> , 2005 , 45, 193-6	3.1	32
9	Amadori adducts activate nuclear factor-kappaB-related proinflammatory genes in cultured human peritoneal mesothelial cells. <i>British Journal of Pharmacology</i> , 2005 , 146, 268-79	8.6	32
8	Effect of glycaemic control on the vascular nitric oxide system in patients with type 1 diabetes. <i>Journal of Hypertension</i> , 2003 , 21, 1137-43	1.9	19
7	Glycosylated human oxyhaemoglobin activates nuclear factor-kappaB and activator protein-1 in cultured human aortic smooth muscle. <i>British Journal of Pharmacology</i> , 2003 , 140, 681-90	8.6	21
6	High glucose induces cell death of cultured human aortic smooth muscle cells through the formation of hydrogen peroxide. <i>British Journal of Pharmacology</i> , 2001 , 133, 967-74	8.6	65
5	Thapsigargin induces apoptosis in cultured human aortic smooth muscle cells. <i>Journal of Cardiovascular Pharmacology</i> , 2000 , 36, 676-80	3.1	6
4	Endothelial dysfunction and metabolic control in streptozotocin-induced diabetic rats. <i>British Journal of Pharmacology</i> , 1998 , 123, 1495-502	8.6	54
3	Vascular smooth muscle cell hypertrophy induced by glycosylated human oxyhaemoglobin. <i>British Journal of Pharmacology</i> , 1998 , 125, 637-44	8.6	12
2	Impairment of nitric oxide-mediated relaxations in anaesthetized autoperfused streptozotocin-induced diabetic rats. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1998 , 358, 529-37	3.4	33
1	Effects of captopril, losartan, and nifedipine on cell hypertrophy of cultured vascular smooth muscle from hypertensive Ren-2 transgenic rats. <i>British Journal of Pharmacology</i> , 1997 , 121, 1438-44	8.6	10