Leocadio RodrÃ-guez-MaÃ±as

List of Publications by Year
in descending order

176 papers	12,731 citations	29994 54 h-index	28224 105 g-index
187 all docs	187 docs citations	187 times ranked	15679 citing authors

#	Article	IF	Citations
1	Development and Validation of a Cutoff for the Chair Stand Test as a Screening for Mobility Impairment in the Context of the Integrated Care for Older People Program. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2023, 78, 104-110.	1.7	4
2	Dual effects of insulin resistance on mortality and function in non-diabetic older adults: findings from the Toledo Study of Healthy Aging. GeroScience, 2022, 44, 1095-1108.	2.1	8
3	Impact of Relative Muscle Power on Hospitalization and All-Cause Mortality in Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2022, 77, 781-789.	1.7	23
4	Frailty in kidney transplant candidates: a comparison between physical frailty phenotype and FRAIL scales. Journal of Nephrology, 2022, 35, 1841-1849.	0.9	3
5	Early manifestation of aging-related vascular dysfunction in human penile vasculatureâ€"A potential explanation for the role of erectile dysfunction as a harbinger of systemic vascular disease. GeroScience, 2022, 44, 485-501.	2.1	7
6	Associations between frailty trajectories and frailty status and adverse outcomes in communityâ€dwelling older adults. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 230-239.	2.9	19
7	The ability of eight frailty instruments to identify adverse outcomes across different settings: the FRAILTOOLS project. Journal of Cachexia, Sarcopenia and Muscle, 2022, 13, 1487-1501.	2.9	22
8	Differential Association of Frailty and Sarcopenia With Mortality and Disability: Insight Supporting Clinical Subtypes of Frailty. Journal of the American Medical Directors Association, 2022, 23, 1712-1716.e3.	1.2	14
9	Diagnostic accuracy of the frail scale plus functional measures for frailty screening. BJGP Open, 2022, , BJGPO.2021.0220.	0.9	2
10	Increased mortality after kidney transplantation in mildly frail recipients. CKJ: Clinical Kidney Journal, 2022, 15, 2089-2096.	1.4	5
11	Physical performance measures in frailty screening: diagnostic and prognostic accuracy in the Toledo Study of Healthy Ageing. Maturitas, 2022, 165, 18-25.	1.0	1
12	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.	1.7	10
13	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.	1.2	53
14	Association between telomere length, frailty and death in older adults. GeroScience, 2021, 43, 1015-1027.	2.1	11
15	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.	2.1	31
16	Ongoing Oscillatory Electrophysiological Alterations in Frail Older Adults: A MEG Study. Frontiers in Aging Neuroscience, 2021, 13, 609043.	1.7	5
17	Research on Frailty: Where We Stand and Where We Need to Go. Journal of the American Medical Directors Association, 2021, 22, 520-523.	1.2	7
18	Early detection of accelerated aging and cellular decline (AACD): A consensus statement. Experimental Gerontology, 2021, 146, 111242.	1.2	5

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19	Unobtrusive Sensors for the Assessment of Older Adultâ€™s Frailty: A Scoping Review. Sensors, 2021, 21, 2983.	2.1	1
20	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.	0.2	17
21	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, 7067.	1.2	53
22	Transitions Between Frailty States and Its Predictors in a Cohort of Community-Dwelling Spaniards. Journal of the American Medical Directors Association, 2021, , .	1.2	6
23	Relative sit-to-stand power cut-off points and their association with negatives outcomes in older adults. Scientific Reports, 2021, 11, 19460.	1.6	17
24	Usability, User Experience, and Acceptance Evaluation of CAPACITY: A Technological Ecosystem for Remote Follow-Up of Frailty. Sensors, 2021, 21, 6458.	2.1	1
25	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.	1.2	14
26	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.	1.4	11
27	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, 2021, 18, 203.	1.2	8
28	Ageing-induced hypercontractility is related to functional enhancement of STIM/Orai and upregulation of Orai 3 in rat and human penile tissue. Mechanisms of Ageing and Development, 2021, 200, 111590.	2.2	3
29	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.	1.2	9
30	Frailty as a phenotypic manifestation of underlying oxidative stress. Free Radical Biology and Medicine, 2020, 149, 72-77.	1.3	58
31	Which one came first: movement behavior or frailty? A crossâ€lagged panel model in the Toledo Study for Healthy Aging. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 415-423.	2.9	14
32	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.	1.5	267
33	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.	1.5	485
34	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.	1.2	23
35	Automatic and Real-Time Computation of the 30-Seconds Chair-Stand Test without Professional Supervision for Community-Dwelling Older Adults. Sensors, 2020, 20, 5813.	2.1	10
36	Low relative mechanical power in older adults: An operational definition and algorithm for its application in the clinical setting. Experimental Gerontology, 2020, 142, 111141.	1.2	26

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37	Use of reninâ€“angiotensinâ€“aldosterone system inhibitors and risk of COVID-19 requiring admission to hospital: a case-population study. Lancet, The, 2020, 395, 1705-1714.	6.3	347
38	Monitoring and Intervention Technologies to Manage Diabetic Older Persons: The CAPACITY Caseâ€”A Pilot Study. Frontiers in Endocrinology, 2020, 11, 300.	1.5	5
39	Physical activity trajectories, mortality, hospitalization, and disability in the Toledo Study of Healthy Aging. Journal of Cachexia, Sarcopenia and Muscle, 2020, 11, 1007-1017.	2.9	30
40	Physical activity and exercise: Strategies to manage frailty. Redox Biology, 2020, 35, 101513.	3.9	235
41	Enhanced Contribution of Orai Channels to Contractility of Human Penile Smooth Muscle in Erectile Dysfunction. Journal of Sexual Medicine, 2020, 17, 881-891.	0.3	5
42	Functional Connectivity Disruption in Frail Older Adults Without Global Cognitive Deficits. Frontiers in Medicine, 2020, 7, 322.	1.2	10
43	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.	3.1	7
44	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.	1.3	24
45	Frailty Trait Scaleâ€“Short Form: A Frailty Instrument for Clinical Practice. Journal of the American Medical Directors Association, 2020, 21, 1260-1266.e2.	1.2	21
46	Portable Ultrasound-Based Device for Detecting Older Adultsâ€™ Sit-to-Stand Transitions in Unsupervised 30-Second Chairâ€“Stand Tests. Sensors, 2020, 20, 1975.	2.1	9
47	Associations of fatâ€soluble micronutrients and redox biomarkers with frailty status in the FRAILOMIC initiative. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 1339-1346.	2.9	22
48	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.	3.9	38
49	Dose-response association between physical activity and sedentary time categories on ageing biomarkers. BMC Geriatrics, 2019, 19, 270.	1.1	25
50	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.	0.7	22
51	Relation Between Genetic Factors and Frailty in Older Adults. Journal of the American Medical Directors Association, 2019, 20, 1451-1457.	1.2	13
52	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.	2.9	98
53	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.	1.1	36
54	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.	2.9	77

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55	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.	1.2	37
56	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, 582.	1.7	15
57	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.	1.2	28
58	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.	1.5	43
59	Effect of Exercise Intervention on Functional Decline in Very Elderly Patients During Acute Hospitalization. JAMA Internal Medicine, 2019, 179, 28.	2.6	288
60	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.	1.8	9
61	Frequency, intensity and localization of pain as risk factors for frailty in older adults. Age and Ageing, 2019, 48, 74-80.	0.7	29
62	Frailty and Multimorbidity: A Systematic Review and Meta-analysis. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2019, 74, 659-666.	1.7	354
63	Multivessel analysis of progressive vascular aging in the rat: Asynchronous vulnerability among vascular territories. Mechanisms of Ageing and Development, 2018, 173, 39-49.	2.2	11
64	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.	1.2	63
65	High Serum Retinol as a Relevant Contributor to Low Bone Mineral Density in Postmenopausal Osteoporotic Women. Calcified Tissue International, 2018, 102, 651-656.	1.5	13
66	Haemostatic agent etamsylate in vitro and in vivo antagonizes anti-coagulant activity of heparin. European Journal of Pharmacology, 2018, 827, 167-172.	1.7	7
67	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.	1.2	64
68	Frailty, Polypharmacy, and Health Outcomes in Older Adults: TheÂFrailty and Dependence in Albacete Study. Journal of the American Medical Directors Association, 2018, 19, 46-52.	1.2	98
69	Scoping Review of Neuroimaging Studies Investigating Frailty and Frailty Components. Frontiers in Medicine, 2018, 5, 284.	1.2	22
70	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.	1.3	9
71	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.	1.2	161
72	Engaging clinicians and patients to assess and improve frailty measurement in adults with end stage renal disease. BMC Nephrology, 2018, 19, 8.	0.8	33

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73	Factors associated with poor balance ability in older adults of nine high-altitude communities. Archives of Gerontology and Geriatrics, 2018, 77, 108-114.	1.4	17
74	The â€œSarcopenia and Physical fRailty IN older people: multi-componenT Treatment strategiesâ€•(SPRINTT) randomized controlled trial: design and methods. Aging Clinical and Experimental Research, 2017, 29, 89-100.	1.4	131
75	Management of Cancer in the Older Age Person: An Approach to Complex Medical Decisions. Oncologist, 2017, 22, 335-342.	1.9	39
76	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.	1.2	35
77	Noncoronary Vascular Calcification, Bone Mineral Density, and Muscle Mass in Institutionalized Frail Nonagenarians. Rejuvenation Research, 2017, 20, 298-308.	0.9	12
78	Frailty and sarcopenia - newly emerging and high impact complications of diabetes. Journal of Diabetes and Its Complications, 2017, 31, 1465-1473.	1.2	160
79	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.	1.7	65
80	The Third Transition: The Clinical Evolution Oriented to the Contemporary Older Patient. Journal of the American Medical Directors Association, 2017, 18, 8-9.	1.2	43
81	Cognitive Performance across 3 Frailty Phenotypes: Toledo Study for Healthy Aging. Journal of the American Medical Directors Association, 2017, 18, 785-790.	1.2	40
82	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.	3.9	242
83	Function But Not Multimorbidity at The Cornerstone of Geriatric Medicine. Journal of the American Geriatrics Society, 2017, 65, 2333-2334.	1.3	15
84	Hyperphosphatemia induces senescence in human endothelial cells by increasing endothelinâ€1 production. Aging Cell, 2017, 16, 1300-1312.	3.0	36
85	Frailty, what are we talking about? Implications for the daily clinical practice. Revista Espanola De Geriatria Y Gerontologia, 2017, 52, 179-181.	0.2	5
86	The Asia-Pacific Clinical Practice Guidelines for the Management of Frailty. Journal of the American Medical Directors Association, 2017, 18, 564-575.	1.2	408
87	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.	1.2	33
88	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.	1.2	13
89	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.	1.1	77
90	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.	1.4	39

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91	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, Volume 11, 1797-1804.	1.3	40
92	Standardizing in vitro diagnostics tasks in clinical trials: a call for action. Annals of Translational Medicine, 2016, 4, 181-181.	0.7	20
93	Serum uric acid concentrations and risk of frailty in older adults. Experimental Gerontology, 2016, 82, 160-165.	1.2	19
94	Frailty and sarcopenia as the basis for the phenotypic manifestation of chronic diseases in older adults. Molecular Aspects of Medicine, 2016, 50, 1-32.	2.7	120
95	Exercise: the lifelong supplement for healthy ageing and slowing down the onset of frailty. Journal of Physiology, 2016, 594, 1989-1999.	1.3	67
96	Exercise training as a drug to treat age associated frailty. Free Radical Biology and Medicine, 2016, 98, 159-164.	1.3	25
97	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, 949-955.	1.2	92
98	Should we use gait speed in COPD, FEV₁in frailty and dyspnoea in both?. European Respiratory Journal, 2016, 48, 315-319.	3.1	19
99	Is It Ethical Not to Prescribe Physical Activity for the Elderly Frail?. Journal of the American Medical Directors Association, 2016, 17, 779-781.	1.2	47
100	Asymmetric dimethylarginine (ADMA) elevation and arginase upâ€regulation contribute to endothelial dysfunction related to insulin resistance in rats and morbidly obese humans. Journal of Physiology, 2016, 594, 3045-3060.	1.3	53
101	The emergence of frailty and sarcopaenia in diabetes mellitus: description of inter-relationships and clinical importance. Cardiovascular Endocrinology, 2016, 5, 40-50.	0.8	4
102	Diabetes and ageingâ€induced vascular inflammation. Journal of Physiology, 2016, 594, 2125-2146.	1.3	90
103	Skeletal Muscle Regulates Metabolism via Interorgan Crosstalk: Roles in Health and Disease. Journal of the American Medical Directors Association, 2016, 17, 789-796.	1.2	317
104	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, 381-392.	1.2	174
105	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.	0.8	29
106	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, 426-433.	1.2	362
107	Diabetes and Frailty: Two Converging Conditions?. Canadian Journal of Diabetes, 2016, 40, 77-83.	0.4	82
108	Costs of Malnutrition in Institutionalized and Community-Dwelling Older Adults: A Systematic Review. Journal of the American Medical Directors Association, 2016, 17, 17-23.	1.2	112

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109	In Search of â€˜Omics'-Based Biomarkers to Predict Risk of Frailty and Its Consequences in Older Individuals: The FRAILOMIC Initiative. Gerontology, 2016, 62, 182-190.	1.4	69
110	From Personal to Mobile Healthcare. Advances in Multimedia and Interactive Technologies Book Series, 2016, , 124-137.	0.1	0
111	Obesity, fat distribution, and risk of frailty in two populationâ€based cohorts of older adults in <scp>S</scp>pain. Obesity, 2015, 23, 847-855.	1.5	81
112	Frailty assessment based on trunk kinematic parameters during walking. Journal of NeuroEngineering and Rehabilitation, 2015, 12, 48.	2.4	42
113	Nonlinear relationship between waist to hip ratio, weight and strength in elders: is gender the key?. Biogerontology, 2015, 16, 685-692.	2.0	11
114	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.	1.2	24
115	Laboratory biomarkers and frailty: presentation of the FRAILOMIC initiative. Clinical Chemistry and Laboratory Medicine, 2015, 53, e253-5.	1.4	17
116	Adipose tissue compartments, muscle mass, muscle fat infiltration, and coronary calcium in institutionalized frail nonagenarians. European Radiology, 2015, 25, 2163-2175.	2.3	36
117	Hypoglycemia in Older People - A Less Well Recognized Risk Factor for Frailty. , 2015, 6, 156.		213
118	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, 748-754.	1.2	118
119	Association of regional muscle strength with mortality and hospitalisation in older people. Age and Ageing, 2015, 44, 790-795.	0.7	62
120	Diabetes in older people: new insights and remaining challenges. Lancet Diabetes and Endocrinology,the, 2015, 3, 275-285.	5.5	217
121	Frailty in the clinical scenario. Lancet, The, 2015, 385, e7-e9.	6.3	206
122	Differential Effect of Amylin on Endothelial-Dependent Vasodilation in Mesenteric Arteries from Control and Insulin Resistant Rats. PLoS ONE, 2015, 10, e0120479.	1.1	9
123	The frailty syndrome in the public health agenda. Journal of Epidemiology and Community Health, 2014, 68, 703-704.	2.0	38
124	Exome sequencing of three cases of familial exceptional longevity. Aging Cell, 2014, 13, 1087-1090.	3.0	16
125	Frailty, Sarcopenia and Diabetes. Journal of the American Medical Directors Association, 2014, 15, 853-859.	1.2	234
126	Association between endothelial dysfunction and frailty: the Toledo Study for Healthy Aging. Age, 2014, 36, 495-505.	3.0	67

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127	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.	0.7	65
128	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, 92-94.	1.5	16
129	Positive effects of resistance training in frail elderly patients with dementia after long-term physical restraint. Age, 2014, 36, 801-811.	3.0	101
130	A New Operational Definition of Frailty: The Frailty Trait Scale. Journal of the American Medical Directors Association, 2014, 15, 371.e7-371.e13.	1.2	111
131	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, 924-928.	1.2	34
132	Frailty. , 2014, , 345-355.		1
133	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, 1324-1328.	1.3	123
134	Multicomponent exercises including muscle power training enhance muscle mass, power output, and functional outcomes in institutionalized frail nonagenarians. Age, 2014, 36, 773-785.	3.0	356
135	A step forward in the right direction. Journal of Nutrition, Health and Aging, 2014, 18, 465-466.	1.5	1
136	Age and gender, two key factors in the associations between physical activity and strength during the ageing process. Maturitas, 2014, 78, 106-112.	1.0	38
137	Pharmaceutical Interventions for Frailty and Sarcopenia. Current Pharmaceutical Design, 2014, 20, 3068-3082.	0.9	29
138	Oxidative stress and vascular inflammation in aging. Free Radical Biology and Medicine, 2013, 65, 380-401.	1.3	452
139	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, 820-827.	3.9	27
140	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, 62-67.	1.7	890
141	Low calcium intake and inadequate vitamin D status in postmenopausal osteoporotic women. Journal of Steroid Biochemistry and Molecular Biology, 2013, 136, 175-177.	1.2	35
142	Usefulness of 2 Questions About Age and Year of Birth in the Case-Finding ofÂDementia. Journal of the American Medical Directors Association, 2013, 14, 627.e7-627.e12.	1.2	4
143	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, 105-114.	0.9	673
144	Role of oestrogens on oxidative stress and inflammation in ageing. Hormone Molecular Biology and Clinical Investigation, 2013, 16, 65-72.	0.3	23

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145	Complete blockade of the vasorelaxant effects of angiotensinâ€(1â€“7) and bradykinin in murine microvessels by antagonists of the receptor Mas. Journal of Physiology, 2013, 591, 2275-2285.	1.3	28
146	Functional Capacity, Muscle Fat Infiltration, Power Output, and Cognitive Impairment in Institutionalized Frail Oldest Old. Rejuvenation Research, 2013, 16, 396-403.	0.9	91
147	Preserved endothelial function in human obesity in the absence of insulin resistance. Journal of Translational Medicine, 2013, 11, 263.	1.8	36
148	Mechanisms Involved in the Aging-Induced Vascular Dysfunction. Frontiers in Physiology, 2012, 3, 132.	1.3	163
149	Centenarians, but not octogenarians, up-regulate the expression of microRNAs. Scientific Reports, 2012, 2, 961.	1.6	84
150	Age-related differences in the effects of Î± and Î³ peroxisome proliferator-activated receptor subtype agonists on endothelial vasodilation in human microvessels. Experimental Gerontology, 2012, 47, 734-740.	1.2	24
151	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.	1.1	66
152	DisfunciÃ³n endotelial asociada al envejecimiento vascular humano. ClÃnica E InvestigaciÃ³n En Arteriosclerosis, 2011, 23, 135-139.	0.4	0
153	Pathways Responsible for Apoptosis Resulting from Amadori-Induced Oxidative and Nitrosative Stress in Human Mesothelial Cells. American Journal of Nephrology, 2011, 34, 104-114.	1.4	6
154	Thromboprophylaxis with the Low-Molecular-Weight Heparin Bemiparin Sodium in Elderly Medical Patients in Usual Clinical Practice. Clinical Drug Investigation, 2010, 30, 337-345.	1.1	13
155	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.	1.1	58
156	Endothelial dysfunction in aged humans is related with oxidative stress and vascular inflammation. Aging Cell, 2009, 8, 226-238.	3.0	188
157	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: British Medical Journal, 2009, 338, b50-b50.	2.4	302
158	The deleterious effect of high concentrations of D-glucose requires pro-inflammatory preconditioning. Journal of Hypertension, 2008, 26, 478-485.	0.3	26
159	Amylin and Hypertension: Association of an Amylin â^'G132A Gene Mutation and Hypertension in Humans and Amylin-Induced Endothelium Dysfunction in Rats. Journal of Clinical Endocrinology and Metabolism, 2007, 92, 1446-1450.	1.8	9
160	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, 2421-2425.	0.3	74
161	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, 609-618.	0.3	25
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