

# Riccardo Calvani

## List of Publications by Citations

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**Version:** 2024-04-26

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182  
papers

6,477  
citations

43  
h-index

75  
g-index

207  
ext. papers

9,189  
ext. citations

4.9  
avg, IF

6.01  
L-index

#	Paper	IF	Citations
182	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , <b>2021</b> , 17, 1-382	10.2	440
181	Mitochondrial dysfunction and sarcopenia of aging: from signaling pathways to clinical trials. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2013</b> , 45, 2288-301	5.6	295
180	Hepatocellular Carcinoma Is Associated With Gut Microbiota Profile and Inflammation in Nonalcoholic Fatty Liver Disease. <i>Hepatology</i> , <b>2019</b> , 69, 107-120	11.2	230
179	Anorexia of Aging: Risk Factors, Consequences, and Potential Treatments. <i>Nutrients</i> , <b>2016</b> , 8, 69	6.7	212
178	Mitochondrial pathways in sarcopenia of aging and disuse muscle atrophy. <i>Biological Chemistry</i> , <b>2013</b> , 394, 393-414	4.5	195
177	Sarcopenia: an overview. <i>Aging Clinical and Experimental Research</i> , <b>2017</b> , 29, 11-17	4.8	193
176	Contribution of impaired mitochondrial autophagy to cardiac aging: mechanisms and therapeutic opportunities. <i>Circulation Research</i> , <b>2012</b> , 110, 1125-38	15.7	169
175	Gut microbiome-derived metabolites characterize a peculiar obese urinary metabotype. <i>International Journal of Obesity</i> , <b>2010</b> , 34, 1095-8	5.5	165
174	Physical activity and exercise as countermeasures to physical frailty and sarcopenia. <i>Aging Clinical and Experimental Research</i> , <b>2017</b> , 29, 35-42	4.8	154
173	Biomarkers for physical frailty and sarcopenia: state of the science and future developments. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2015</b> , 6, 278-86	10.3	149
172	Sarcopenia as the Biological Substrate of Physical Frailty. <i>Clinics in Geriatric Medicine</i> , <b>2015</b> , 31, 367-74	3.8	145
171	Frailty in Older Persons. <i>Clinics in Geriatric Medicine</i> , <b>2017</b> , 33, 293-303	3.8	140
170	Measurement of muscle mass in sarcopenia: from imaging to biochemical markers. <i>Aging Clinical and Experimental Research</i> , <b>2017</b> , 29, 19-27	4.8	133
169	Role of mitochondrial dysfunction and altered autophagy in cardiovascular aging and disease: from mechanisms to therapeutics. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2013</b> , 305, H459-76	5.2	130
168	Protein Intake and Muscle Health in Old Age: From Biological Plausibility to Clinical Evidence. <i>Nutrients</i> , <b>2016</b> , 8,	6.7	111
167	Apoptosis in skeletal myocytes: a potential target for interventions against sarcopenia and physical frailty - a mini-review. <i>Gerontology</i> , <b>2012</b> , 58, 99-106	5.5	100
166	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> , <b>2017</b> , 29, 89-100	4.8	91

165	Fueling Inflamm-Aging through Mitochondrial Dysfunction: Mechanisms and Molecular Targets. <i>International Journal of Molecular Sciences</i> , <b>2017</b> , 18,	6.3	85
164	Current nutritional recommendations and novel dietary strategies to manage sarcopenia. <i>Journal of Frailty &amp; Aging, the</i> , <b>2013</b> , 2, 38-53	2.6	85
163	Post-COVID-19 global health strategies: the need for an interdisciplinary approach. <i>Aging Clinical and Experimental Research</i> , <b>2020</b> , 32, 1613-1620	4.8	78
162	Circulating Mitochondrial DNA at the Crossroads of Mitochondrial Dysfunction and Inflammation During Aging and Muscle Wasting Disorders. <i>Rejuvenation Research</i> , <b>2018</b> , 21, 350-359	2.6	74
161	Age-Related Variations of Muscle Mass, Strength, and Physical Performance in Community-Dwellers: Results From the Milan EXPO Survey. <i>Journal of the American Medical Directors Association</i> , <b>2017</b> , 18, 88.e17-88.e24	5.9	69
160	Sarcopenia: An Overview on Current Definitions, Diagnosis and Treatment. <i>Current Protein and Peptide Science</i> , <b>2018</b> , 19, 633-638	2.8	69
159	Skeletal muscle apoptotic signaling predicts thigh muscle volume and gait speed in community-dwelling older persons: an exploratory study. <i>PLoS ONE</i> , <b>2012</b> , 7, e32829	3.7	68
158	Exercise and Protein Intake: A Synergistic Approach against Sarcopenia. <i>BioMed Research International</i> , <b>2017</b> , 2017, 2672435	3	67
157	The interplay between autophagy and mitochondrial dysfunction in oxidative stress-induced cardiac aging and pathology. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 71, 62-70	5.8	66
156	The association between sarcopenia and functional outcomes among older patients with hip fracture undergoing in-hospital rehabilitation. <i>Osteoporosis International</i> , <b>2017</b> , 28, 1569-1576	5.3	63
155	Mitochondrial Dysfunction and Aging: Insights from the Analysis of Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	62
154	Mitochondrial Dysfunction, Oxidative Stress, and Neuroinflammation: Intertwined Roads to Neurodegeneration. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	62
153	Gut Dysbiosis and Muscle Aging: Searching for Novel Targets against Sarcopenia. <i>Mediators of Inflammation</i> , <b>2018</b> , 2018, 7026198	4.3	62
152	Impact of physical function impairment and multimorbidity on mortality among community-living older persons with sarcopenia: results from the iSIRENTE prospective cohort study. <i>BMJ Open</i> , <b>2016</b> , 6, e008281	3	60
151	High-fat feeding stimulates endocrine, glucose-dependent insulinotropic polypeptide (GIP)-expressing cell hyperplasia in the duodenum of Wistar rats. <i>Diabetologia</i> , <b>2010</b> , 53, 2233-40	10.3	60
150	Effectiveness of a multimodal intervention in functionally impaired older people with type 2 diabetes mellitus. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2019</b> , 10, 721-733	10.3	56
149	Fecal and urinary NMR-based metabolomics unveil an aging signature in mice. <i>Experimental Gerontology</i> , <b>2014</b> , 49, 5-11	4.5	52
148	A Distinct Pattern of Circulating Amino Acids Characterizes Older Persons with Physical Frailty and Sarcopenia: Results from the BIOSPHERE Study. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	52

147	Rationale for a preliminary operational definition of physical frailty and sarcopenia in the SPRINTT trial. <i>Aging Clinical and Experimental Research</i> , <b>2017</b> , 29, 81-88	4.8	50
146	Inflammatory signatures in older persons with physical frailty and sarcopenia: The frailty "cytokinome" at its core. <i>Experimental Gerontology</i> , <b>2019</b> , 122, 129-138	4.5	48
145	Of Microbes and Minds: A Narrative Review on the Second Brain Aging. <i>Frontiers in Medicine</i> , <b>2018</b> , 5, 53	4.9	47
144	Treating sarcopenia in older and oldest old. <i>Current Pharmaceutical Design</i> , <b>2015</b> , 21, 1715-22	3.3	47
143	Experimental colitis: decreased Octn2 and Atb0+ expression in rat colonocytes induces carnitine depletion that is reversible by carnitine-loaded liposomes. <i>FASEB Journal</i> , <b>2006</b> , 20, 2544-6	0.9	46
142	Update on mitochondria and muscle aging: all wrong roads lead to sarcopenia. <i>Biological Chemistry</i> , <b>2018</b> , 399, 421-436	4.5	43
141	Gut Microbial, Inflammatory and Metabolic Signatures in Older People with Physical Frailty and Sarcopenia: Results from the BIOSPHERE Study. <i>Nutrients</i> , <b>2019</b> , 12,	6.7	43
140	Body Mass Index is Strongly Associated with Hypertension: Results from the Longevity Check-up 7+ Study. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	43
139	Biomarkers for physical frailty and sarcopenia. <i>Aging Clinical and Experimental Research</i> , <b>2017</b> , 29, 29-34	4.8	42
138	Serum levels of C-terminal agrin fragment (CAF) are associated with sarcopenia in older hip fractured patients. <i>Experimental Gerontology</i> , <b>2014</b> , 60, 79-82	4.5	42
137	Mitochondrial Signatures in Circulating Extracellular Vesicles of Older Adults with Parkinson's Disease: Results from the EXosomes in PARKinson's Disease (EXPAND) Study. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	41
136	Altered mitochondrial quality control signaling in muscle of old gastric cancer patients with cachexia. <i>Experimental Gerontology</i> , <b>2017</b> , 87, 92-99	4.5	40
135	Cow's Milk Consumption and Health: A Health Professional's Guide. <i>Journal of the American College of Nutrition</i> , <b>2019</b> , 38, 197-208	3.5	40
134	The "Sarcopenia and Physical Frailty IN older people: multi-component Treatment strategies" (SPRINTT) randomized controlled trial: Case finding, screening and characteristics of eligible participants. <i>Experimental Gerontology</i> , <b>2018</b> , 113, 48-57	4.5	40
133	Effects of treadmill exercise and training frequency on anabolic signaling pathways in the skeletal muscle of aged rats. <i>Experimental Gerontology</i> , <b>2012</b> , 47, 23-8	4.5	39
132	Sarcopenia in heart failure: mechanisms and therapeutic strategies. <i>Journal of Geriatric Cardiology</i> , <b>2016</b> , 13, 615-24	1.7	39
131	Systemic inflammation, body composition, and physical performance in old community-dwellers. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2017</b> , 8, 69-77	10.3	38
130	Mitochondrial-Derived Vesicles as Candidate Biomarkers in Parkinson's Disease: Rationale, Design and Methods of the EXosomes in PARKinson Disease (EXPAND) Study. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	38

129	Patterns of circulating inflammatory biomarkers in older persons with varying levels of physical performance: a partial least squares-discriminant analysis approach. <i>Frontiers in Medicine</i> , <b>2014</b> , 1, 27	4.9	38
128	Impact of habitual physical activity and type of exercise on physical performance across ages in community-living people. <i>PLoS ONE</i> , <b>2018</b> , 13, e0191820	3.7	36
127	Innovative Medicines Initiative: The SPRINTT Project. <i>Journal of Frailty &amp; Aging</i> , <b>2015</b> , 4, 207-208	2.6	36
126	Influence of hepatitis C virus eradication with direct-acting antivirals on the gut microbiota in patients with cirrhosis. <i>Alimentary Pharmacology and Therapeutics</i> , <b>2018</b> , 48, 1301-1311	6.1	36
125	Age-related changes of skeletal muscle mass and strength among Italian and Taiwanese older people: Results from the Milan EXPO 2015 survey and the I-Lan Longitudinal Aging Study. <i>Experimental Gerontology</i> , <b>2018</b> , 102, 76-80	4.5	35
124	Serum levels of C-terminal agrin fragment (CAF) are associated with sarcopenia in older multimorbid community-dwellers: Results from the iSIRENTE study. <i>Experimental Gerontology</i> , <b>2016</b> , 79, 31-6	4.5	35
123	The "BIOmarkers associated with Sarcopenia and PHysical frailty in EldeRly pERsons" (BIOSPHERE) study: Rationale, design and methods. <i>European Journal of Internal Medicine</i> , <b>2018</b> , 56, 19-25	3.9	33
122	Preserving Mobility in Older Adults with Physical Frailty and Sarcopenia: Opportunities, Challenges, and Recommendations for Physical Activity Interventions. <i>Clinical Interventions in Aging</i> , <b>2020</b> , 15, 1675-1690	4.9	33
121	Association between myocyte quality control signaling and sarcopenia in old hip-fractured patients: Results from the Sarcopenia in Hip FracTure (SHIFT) exploratory study. <i>Experimental Gerontology</i> , <b>2016</b> , 80, 1-5	4.5	33
120	Animal-Derived Protein Consumption Is Associated with Muscle Mass and Strength in Community-Dwellers: Results from the Milan EXPO Survey. <i>Journal of Nutrition, Health and Aging</i> , <b>2017</b> , 21, 1050-1056	5.2	32
119	Anorexia of Aging: Assessment and Management. <i>Clinics in Geriatric Medicine</i> , <b>2017</b> , 33, 315-323	3.8	31
118	Generation and Release of Mitochondrial-Derived Vesicles in Health, Aging and Disease. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	29
117	Pre-hospital dietary intake correlates with muscle mass at the time of fracture in older hip-fractured patients. <i>Frontiers in Aging Neuroscience</i> , <b>2014</b> , 6, 269	5.3	29
116	Increased TFAM binding to mtDNA damage hot spots is associated with mtDNA loss in aged rat heart. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 124, 447-453	7.8	27
115	Late-life enalapril administration induces nitric oxide-dependent and independent metabolic adaptations in the rat skeletal muscle. <i>Age</i> , <b>2013</b> , 35, 1061-75		26
114	Protein-Amino Acid Metabolism Disarrangements: The Hidden Enemy of Chronic Age-Related Conditions. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	26
113	If my muscle could talk: Myokines as a biomarker of frailty. <i>Experimental Gerontology</i> , <b>2019</b> , 127, 110715	4.5	25
112	Advanced Age Is Associated with Iron Dyshomeostasis and Mitochondrial DNA Damage in Human Skeletal Muscle. <i>Cells</i> , <b>2019</b> , 8,	7.9	24

111	Older Adults with Physical Frailty and Sarcopenia Show Increased Levels of Circulating Small Extracellular Vesicles with a Specific Mitochondrial Signature. <i>Cells</i> , <b>2020</b> , 9,	7.9	23
110	Dietary supplementation with acetyl-L-carnitine counteracts age-related alterations of mitochondrial biogenesis, dynamics and antioxidant defenses in brain of old rats. <i>Experimental Gerontology</i> , <b>2017</b> , 98, 99-109	4.5	23
109	Mitochondrial dynamics signaling is shifted toward fusion in muscles of very old hip-fractured patients: Results from the Sarcopenia in Hip FracTure (SHIFT) exploratory study. <i>Experimental Gerontology</i> , <b>2017</b> , 96, 63-67	4.5	20
108	Protein Intake and Frailty: A Matter of Quantity, Quality, and Timing. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	20
107	Musculoskeletal aging, sarcopenia and cancer. <i>Journal of Geriatric Oncology</i> , <b>2019</b> , 10, 504-509	3.6	20
106	The need of operational paradigms for frailty in older persons: the SPRINTT project. <i>Aging Clinical and Experimental Research</i> , <b>2017</b> , 29, 3-10	4.8	19
105	Sarcopenia and frailty: From theoretical approach into clinical practice. <i>European Geriatric Medicine</i> , <b>2016</b> , 7, 197-200	3	19
104	Application of NMR-based metabolomics to the study of gut microbiota in obesity. <i>Journal of Clinical Gastroenterology</i> , <b>2014</b> , 48 Suppl 1, S5-7	3	19
103	Inter-Organelle Membrane Contact Sites and Mitochondrial Quality Control during Aging: A Geroscience View. <i>Cells</i> , <b>2020</b> , 9,	7.9	18
102	The metabolomics side of frailty: Toward personalized medicine for the aged. <i>Experimental Gerontology</i> , <b>2019</b> , 126, 110692	4.5	18
101	Circulating amino acid signature in older people with Parkinson's disease: A metabolic complement to the EXosomes in PARKinson Disease (EXPAND) study. <i>Experimental Gerontology</i> , <b>2019</b> , 128, 110766	4.5	18
100	Frailty, Physical Frailty, Sarcopenia: A New Conceptual Model. <i>Studies in Health Technology and Informatics</i> , <b>2014</b> , 203, 78-84	0.5	18
99	Role of Age-Related Mitochondrial Dysfunction in Sarcopenia. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	17
98	Cell Death and Inflammation: The Role of Mitochondria in Health and Disease. <i>Cells</i> , <b>2021</b> , 10,	7.9	17
97	Brand New Medicine for an Older Society. <i>Journal of the American Medical Directors Association</i> , <b>2016</b> , 17, 558-9	5.9	17
96	Protein-Related Dietary Parameters and Frailty Status in Older Community-Dwellers across Different Frailty Instruments. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	16
95	Biomarkers of Physical Frailty and Sarcopenia: Coming up to the Place?. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	16
94	Targeting mitochondrial quality control for treating sarcopenia: lessons from physical exercise. <i>Expert Opinion on Therapeutic Targets</i> , <b>2019</b> , 23, 153-160	6.4	16

93	Molecular mechanisms of diabetes reversibility after bariatric surgery. <i>International Journal of Obesity</i> , <b>2007</b> , 31, 1429-36	5.5	15
92	Normative values of muscle strength across ages in a 'real world' population: results from the longevity check-up 7+ project. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2020</b> , 11, 1562-1569	10.3	14
91	High saturated-fat diet induces apoptosis in rat enterocytes and blunts GIP and insulin-secretive response to oral glucose load. <i>International Journal of Obesity</i> , <b>2008</b> , 32, 871-4	5.5	14
90	Bone-Muscle Crosstalk: Unraveling New Therapeutic Targets for Osteoporosis. <i>Current Pharmaceutical Design</i> , <b>2017</b> , 23, 6256-6263	3.3	14
89	Resistance training improves cognitive function in older adults with different cognitive status: a systematic review and Meta-analysis. <i>Aging and Mental Health</i> , <b>2020</b> , 1-12	3.5	13
88	Nutritional Status as a Mediator of Fatigue and Its Underlying Mechanisms in Older People. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	13
87	Cardiovascular health metrics, muscle mass and function among Italian community-dwellers: the Lookup 7+ project. <i>European Journal of Public Health</i> , <b>2018</b> , 28, 766-772	2.1	13
86	Consensus paper on the "executive summary of the international conference on Mediterranean diet and health: a lifelong approach" an Italian initiative supported by the Mediterranean Diet Foundation and the Menarini Foundation. <i>Nutrition</i> , <b>2018</b> , 51-52, 38-45	4.8	12
85	Brown adipose tissue and the cold war against obesity. <i>Diabetes</i> , <b>2014</b> , 63, 3998-4000	0.9	12
84	Sarcopenia and Menopause: The Role of Estradiol. <i>Frontiers in Endocrinology</i> , <b>2021</b> , 12, 682012	5.7	12
83	Relationship between cardiovascular health metrics and physical performance in community-living people: Results from the Longevity check-up (Lookup) 7+ project. <i>Scientific Reports</i> , <b>2018</b> , 8, 16353	4.9	12
82	Prevalence and Predictors of Persistence of COVID-19 Symptoms in Older Adults: A Single-Center Study. <i>Journal of the American Medical Directors Association</i> , <b>2021</b> , 22, 1840-1844	5.9	12
81	Biomarkers for Sarcopenia: Reductionism vs. Complexity. <i>Current Protein and Peptide Science</i> , <b>2018</b> , 19, 639-642	2.8	11
80	Beta-hydroxy-beta-methylbutyrate and sarcopenia: from biological plausibility to clinical evidence. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2019</b> , 22, 37-43	3.8	11
79	Identification of biomarkers for physical frailty and sarcopenia through a new multi-marker approach: results from the BIOSPHERE study. <i>GeroScience</i> , <b>2021</b> , 43, 727-740	8.9	11
78	Sarcopenia-related parameters in adults with Down syndrome: A cross-sectional exploratory study. <i>Experimental Gerontology</i> , <b>2019</b> , 119, 93-99	4.5	10
77	High relative consumption of vegetable protein is associated with faster walking speed in well-functioning older adults. <i>Aging Clinical and Experimental Research</i> , <b>2019</b> , 31, 837-844	4.8	10
76	Extracellular Vesicles and Damage-Associated Molecular Patterns: A Pandora's Box in Health and Disease. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 601740	8.4	10

75	A novel multi-marker discovery approach identifies new serum biomarkers for Parkinson's disease in older people: an EXosomes in PARKinson Disease (EXPAND) ancillary study. <i>GeroScience</i> , <b>2020</b> , 42, 1323-1334	8.9	10
74	Identification of a Circulating Amino Acid Signature in Frail Older Persons with Type 2 Diabetes Mellitus: Results from the Metabofrail Study. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	10
73	Prevalence of Prefrailty and Frailty in South America: A Systematic Review of Observational Studies. <i>Journal of Frailty &amp; Aging, the</i> , <b>2020</b> , 9, 197-213	2.6	10
72	Body Weight Loss and Tissue Wasting in Late Middle-Aged Mice on Slightly Imbalanced Essential/Non-essential Amino Acids Diet. <i>Frontiers in Medicine</i> , <b>2018</b> , 5, 136	4.9	10
71	Relationship between pulmonary function and physical performance among community-living people: results from Look-up 7+ study. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2020</b> , 11, 38-45	10.3	10
70	Physical Functional Assessment in Older Adults. <i>Journal of Frailty &amp; Aging, the</i> , <b>2021</b> , 10, 141-149	2.6	10
69	Administration of Enalapril Started Late in Life Attenuates Hypertrophy and Oxidative Stress Burden, Increases Mitochondrial Mass, and Modulates Mitochondrial Quality Control Signaling in the Rat Heart. <i>Biomolecules</i> , <b>2018</b> , 8,	5.9	10
68	Differences in Liver TFAM Binding to mtDNA and mtDNA Damage between Aged and Extremely Aged Rats. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	9
67	Circulating Mitochondrial-Derived Vesicles, Inflammatory Biomarkers and Amino Acids in Older Adults With Physical Frailty and Sarcopenia: A Preliminary BIOSPHERE Multi-Marker Study Using Sequential and Orthogonalized Covariance Selection - Linear Discriminant Analysis. <i>Frontiers in Cell and Developmental Biology</i> , <b>2020</b> , 8, 564417	5.7	9
66	Characterization of the gut-liver-muscle axis in cirrhotic patients with sarcopenia. <i>Liver International</i> , <b>2021</b> , 41, 1320-1334	7.9	9
65	Age- and Gender-Related Changes in Physical Function in Community-Dwelling Brazilian Adults Aged 50 to 102 Years. <i>Journal of Geriatric Physical Therapy</i> , <b>2021</b> , 44, E123-E131	3.2	9
64	Multicomponent intervention to prevent mobility disability in frail older adults: randomised controlled trial (SPRINTT project).. <i>BMJ, The</i> , <b>2022</b> , 377, e068788	5.9	9
63	Influence of Diets with Varying Essential/Nonessential Amino Acid Ratios on Mouse Lifespan. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	8
62	Genetic variants associated with physical performance and anthropometry in old age: a genome-wide association study in the iLSIRENTE cohort. <i>Scientific Reports</i> , <b>2017</b> , 7, 15879	4.9	8
61	Determination of asymmetric dimethyl arginine in human serum by liquid chromatography-tandem mass spectrometry: clinical application in hypertensive subjects. <i>Clinical Chemistry and Laboratory Medicine</i> , <b>2011</b> , 49, 2109-15	5.9	8
60	Biomarkers shared by frailty and sarcopenia in older adults: A systematic review and meta-analysis. <i>Ageing Research Reviews</i> , <b>2021</b> , 73, 101530	12	8
59	Mitochondrial Dysfunction, Protein Misfolding and Neuroinflammation in Parkinson's Disease: Roads to Biomarker Discovery. <i>Biomolecules</i> , <b>2021</b> , 11,	5.9	8
58	Extracellular Vesicles and Pancreatic Cancer: Insights on the Roles of miRNA, lncRNA, and Protein Cargos in Cancer Progression. <i>Cells</i> , <b>2021</b> , 10,	7.9	8



57	Diet enrichment with a specific essential free amino acid mixture improves healing of undressed wounds in aged rats. <i>Experimental Gerontology</i> , <b>2017</b> , 96, 138-145	4.5	7
56	Sarcopenia Identified According to the EWGSOP2 Definition in Community-Living People: Prevalence and Clinical Features. <i>Journal of the American Medical Directors Association</i> , <b>2020</b> , 21, 1470-1474	5.9	7
55	The "Metabolic biomarkers of frailty in older people with type 2 diabetes mellitus" (MetaboFrail) study: Rationale, design and methods. <i>Experimental Gerontology</i> , <b>2020</b> , 129, 110782	4.5	7
54	Molecular routes to sarcopenia and biomarker development: per aspera ad astra. <i>Current Opinion in Pharmacology</i> , <b>2021</b> , 57, 140-147	5.1	7
53	Serum interleukin-6 and endotoxin levels and their relationship with fatigue and depressive symptoms in patients on chronic haemodialysis. <i>Cytokine</i> , <b>2020</b> , 125, 154823	4	7
52	Effects of Combined Resistance and Power Training on Cognitive Function in Older Women: A Randomized Controlled Trial. <i>International Journal of Environmental Research and Public Health</i> , <b>2020</b> , 17,	4.6	6
51	Thirst in patients on chronic hemodialysis: What do we know so far?. <i>International Urology and Nephrology</i> , <b>2020</b> , 52, 697-711	2.3	6
50	Altered Expression of Mitoferrin and Frataxin, Larger Labile Iron Pool and Greater Mitochondrial DNA Damage in the Skeletal Muscle of Older Adults. <i>Cells</i> , <b>2020</b> , 9,	7.9	6
49	The Role of Artificial Intelligence in Managing Multimorbidity and Cancer. <i>Journal of Personalized Medicine</i> , <b>2021</b> , 11,	3.6	6
48	Evidence-based recommendations for resistance and power training to prevent frailty in community-dwellers. <i>Aging Clinical and Experimental Research</i> , <b>2021</b> , 33, 2069-2086	4.8	6
47	Association between Dietary Habits and Physical Function in Brazilian and Italian Older Women. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	5
46	Prevalence and Severity of Postdialysis Fatigue Are Higher in Patients on Chronic Hemodialysis With Functional Disability. <i>Therapeutic Apheresis and Dialysis</i> , <b>2018</b> , 22, 635-640	1.9	5
45	Integrated control of brown adipose tissue <b>2016</b> , 69, 9-14		5
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