

Paolo Garagnani

List of Publications by Citations

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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.

118
papers

5,246
citations

34
h-index

70
g-index

128
ext. papers

7,026
ext. citations

6.3
avg, IF

5.92
L-index

#	Paper	IF	Citations
118	Inflammaging: a new immune-metabolic viewpoint for age-related diseases. <i>Nature Reviews Endocrinology</i> , 2018 , 14, 576-590	15.2	831
117	Inflammaging and Carb-aging <i>Trends in Endocrinology and Metabolism</i> , 2017 , 28, 199-212	8.8	403
116	Accelerated epigenetic aging in Down syndrome. <i>Aging Cell</i> , 2015 , 14, 491-5	9.9	333
115	The Continuum of Aging and Age-Related Diseases: Common Mechanisms but Different Rates. <i>Frontiers in Medicine</i> , 2018 , 5, 61	4.9	319
114	Methylation of ELOVL2 gene as a new epigenetic marker of age. <i>Aging Cell</i> , 2012 , 11, 1132-4	9.9	261
113	Decreased epigenetic age of PBMCs from Italian semi-supercentenarians and their offspring. <i>Aging</i> , 2015 , 7, 1159-70	5.6	211
112	Ageing and gut microbes: perspectives for health maintenance and longevity. <i>Pharmacological Research</i> , 2013 , 69, 11-20	10.2	184
111	Vaccination in the elderly: The challenge of immune changes with aging. <i>Seminars in Immunology</i> , 2018 , 40, 83-94	10.7	149
110	Immunobiography and the Heterogeneity of Immune Responses in the Elderly: A Focus on Inflammaging and Trained Immunity. <i>Frontiers in Immunology</i> , 2017 , 8, 982	8.4	125
109	Immune system, cell senescence, aging and longevity--inflamm-aging reappraised. <i>Current Pharmaceutical Design</i> , 2013 , 19, 1675-9	3.3	123
108	Immune System, Cell Senescence, Aging and Longevity - Inflamm-Aging Reappraised. <i>Current Pharmaceutical Design</i> , 2013 , 19, 1675-1679	3.3	95
107	Genome-Wide Scan Informed by Age-Related Disease Identifies Loci for Exceptional Human Longevity. <i>PLoS Genetics</i> , 2015 , 11, e1005728	6	86
106	From lifetime to evolution: timescales of human gut microbiota adaptation. <i>Frontiers in Microbiology</i> , 2014 , 5, 587	5.7	74
105	Identification of a DNA methylation signature in blood cells from persons with Down Syndrome. <i>Aging</i> , 2015 , 7, 82-96	5.6	68
104	Present and future of anti-ageing epigenetic diets. <i>Mechanisms of Ageing and Development</i> , 2014 , 136-137, 101-15	5.6	66
103	N-glycomic changes in serum proteins in type 2 diabetes mellitus correlate with complications and with metabolic syndrome parameters. <i>PLoS ONE</i> , 2015 , 10, e0119983	3.7	65
102	Small extracellular vesicles deliver miR-21 and miR-217 as pro-senescence effectors to endothelial cells. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1725285	16.4	63

101	The genetics of human longevity: an intricacy of genes, environment, culture and microbiome. <i>Mechanisms of Ageing and Development</i> , 2017 , 165, 147-155	5.6	61
100	Acceleration of leukocytesSepigenetic age as an early tumor and sex-specific marker of breast and colorectal cancer. <i>Oncotarget</i> , 2017 , 8, 23237-23245	3.3	60
99	Do people living with HIV experience greater age advancement than their HIV-negative counterparts?. <i>Aids</i> , 2019 , 33, 259-268	3.5	56
98	Lamins are rapamycin targets that impact human longevity: a study in centenarians. <i>Journal of Cell Science</i> , 2014 , 127, 147-57	5.3	53
97	Centenarians as super-controls to assess the biological relevance of genetic risk factors for common age-related diseases: a proof of principle on type 2 diabetes. <i>Aging</i> , 2013 , 5, 373-85	5.6	51
96	Systemic Age-Associated DNA Hypermethylation of ELOVL2 Gene: In Vivo and In Vitro Evidences of a Cell Replication Process. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2017 , 72, 1015-1023	6.4	50
95	The epigenetic landscape of age-related diseases: the geroscience perspective. <i>Biogerontology</i> , 2017 , 18, 549-559	4.5	46
94	The Genetic Variability of in Different Human Populations and Its Implications for Longevity. <i>Genes</i> , 2019 , 10,	4.2	46
93	Genetics of Human Longevity Within an Eco-Evolutionary Nature-Nurture Framework. <i>Circulation Research</i> , 2018 , 123, 745-772	15.7	46
92	Stochastic epigenetic mutations (DNA methylation) increase exponentially in human aging and correlate with X chromosome inactivation skewing in females. <i>Aging</i> , 2015 , 7, 568-78	5.6	43
91	Mandibuloacral dysplasia: A premature ageing disease with aspects of physiological ageing. <i>Ageing Research Reviews</i> , 2018 , 42, 1-13	12	41
90	Inferring chronological age from DNA methylation patterns of human teeth. <i>American Journal of Physical Anthropology</i> , 2016 , 159, 585-95	2.5	40
89	Towards a liquid self: how time, geography, and life experiences reshape the biological identity. <i>Frontiers in Immunology</i> , 2014 , 5, 153	8.4	40
88	A meta-analysis on age-associated changes in blood DNA methylation: results from an original analysis pipeline for Infinium 450k data. <i>Aging</i> , 2015 , 7, 97-109	5.6	40
87	The Impact of Caloric Restriction on the Epigenetic Signatures of Aging. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	39
86	Plasma N-Glycome Signature of Down Syndrome. <i>Journal of Proteome Research</i> , 2015 , 14, 4232-45	5.6	39
85	Epigenome-wide association study in hepatocellular carcinoma: Identification of stochastic epigenetic mutations through an innovative statistical approach. <i>Oncotarget</i> , 2017 , 8, 41890-41902	3.3	35
84	One-year Mediterranean diet promotes epigenetic rejuvenation with country- and sex-specific effects: a pilot study from the NU-AGE project. <i>GeroScience</i> , 2020 , 42, 687-701	8.9	32

83	Space/population and time/age in DNA methylation variability in humans: a study on IGF2/H19 locus in different Italian populations and in mono- and di-zygotic twins of different age. <i>Aging</i> , 2012 , 4, 509-20	5.6	31
82	Complex interplay between neutral and adaptive evolution shaped differential genomic background and disease susceptibility along the Italian peninsula. <i>Scientific Reports</i> , 2016 , 6, 32513	4.9	30
81	The emerging role of ECM crosslinking in T cell mobility as a hallmark of immunosenescence in humans. <i>Ageing Research Reviews</i> , 2017 , 35, 322-335	12	30
80	The methylation of nuclear and mitochondrial DNA in ageing phenotypes and longevity. <i>Mechanisms of Ageing and Development</i> , 2017 , 165, 156-161	5.6	28
79	The epigenetic side of human adaptation: hypotheses, evidences and theories. <i>Annals of Human Biology</i> , 2015 , 42, 1-9	1.7	28
78	Genes associated with Type 2 Diabetes and vascular complications. <i>Aging</i> , 2018 , 10, 178-196	5.6	27
77	mtDNA mutations in human aging and longevity: controversies and new perspectives opened by high-throughput technologies. <i>Experimental Gerontology</i> , 2014 , 56, 234-44	4.5	26
76	Centenarians as extreme phenotypes: An ecological perspective to get insight into the relationship between the genetics of longevity and age-associated diseases. <i>Mechanisms of Ageing and Development</i> , 2017 , 165, 195-201	5.6	25
75	25 Hydroxyvitamin D Deficiency and Its Relationship to Autoimmune Thyroid Disease in the Elderly. <i>International Journal of Environmental Research and Public Health</i> , 2016 , 13,	4.6	24
74	Genomic stability, anti-inflammatory phenotype, and up-regulation of the RNaseH2 in cells from centenarians. <i>Cell Death and Differentiation</i> , 2019 , 26, 1845-1858	12.7	23
73	Epigenetic Variability across Human Populations: A Focus on DNA Methylation Profiles of the KRTCAP3, MAD1L1 and BRSK2 Genes. <i>Genome Biology and Evolution</i> , 2016 , 8, 2760-73	3.9	22
72	Shelter from the cytokine storm: pitfalls and prospects in the development of SARS-CoV-2 vaccines for an elderly population. <i>Seminars in Immunopathology</i> , 2020 , 42, 619-634	12	20
71	Age-Related DNA Methylation Changes: Potential Impact on Skeletal Muscle Aging in Humans. <i>Frontiers in Physiology</i> , 2019 , 10, 996	4.6	20
70	A bio-cultural approach to the study of food choice: The contribution of taste genetics, population and culture. <i>Appetite</i> , 2017 , 114, 240-247	4.5	19
69	The peculiar aging of human liver: A geroscience perspective within transplant context. <i>Ageing Research Reviews</i> , 2019 , 51, 24-34	12	19
68	The Human Body as a Super Network: Digital Methods to Analyze the Propagation of Aging. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 136	5.3	18
67	Genomic history of the Italian population recapitulates key evolutionary dynamics of both Continental and Southern Europeans. <i>BMC Biology</i> , 2020 , 18, 51	7.3	18
66	Age-related DNA methylation changes are sex-specific: a comprehensive assessment. <i>Aging</i> , 2020 , 12, 24057-24080	5.6	18

65	Colorectal cancer microenvironment: among nutrition, gut microbiota, inflammation and epigenetics. <i>Current Pharmaceutical Design</i> , 2013 , 19, 765-78	3.3	18
64	The Contextualized Genetics of Human Longevity: JACC Focus Seminar. <i>Journal of the American College of Cardiology</i> , 2020 , 75, 968-979	15.1	17
63	Molecular Aging of Human Liver: An Epigenetic/Transcriptomic Signature. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019 , 74, 1-8	6.4	17
62	Dlx5 and Dlx6 control uterine adenogenesis during post-natal maturation: possible consequences for endometriosis. <i>Human Molecular Genetics</i> , 2016 , 25, 97-108	5.6	17
61	HPV DNA Associates With Breast Cancer Malignancy and It Is Transferred to Breast Cancer Stromal Cells by Extracellular Vesicles. <i>Frontiers in Oncology</i> , 2019 , 9, 860	5.3	16
60	Slug/E-catenin-dependent proinflammatory phenotype in hypoxic breast cancer stem cells. <i>American Journal of Pathology</i> , 2013 , 183, 1688-1697	5.8	16
59	The three genetics (nuclear DNA, mitochondrial DNA, and gut microbiome) of longevity in humans considered as metaorganisms. <i>BioMed Research International</i> , 2014 , 2014, 560340	3	16
58	Isolated populations as treasure troves in genetic epidemiology: the case of the Basques. <i>European Journal of Human Genetics</i> , 2009 , 17, 1490-4	5.3	16
57	Lamin A involvement in ageing processes. <i>Ageing Research Reviews</i> , 2020 , 62, 101073	12	16
56	Suggestions from Geroscience for the Genetics of Age-Related Diseases. <i>PLoS Genetics</i> , 2016 , 12, e1006399	3.99	16
55	Epigenetic up-regulation of ribosome biogenesis and more aggressive phenotype triggered by the lack of the histone demethylase JHDM1B in mammary epithelial cells. <i>Oncotarget</i> , 2017 , 8, 37091-37103	3.3	15
54	Genes of human longevity: an endless quest?. <i>Current Vascular Pharmacology</i> , 2014 , 12, 707-17	3.3	15
53	The epigenetics of inflammaging: The contribution of age-related heterochromatin loss and locus-specific remodelling and the modulation by environmental stimuli. <i>Seminars in Immunology</i> , 2018 , 40, 49-60	10.7	15
52	Accelerated bio-cognitive aging in Down syndrome: State of the art and possible deceleration strategies. <i>Aging Cell</i> , 2019 , 18, e12903	9.9	14
51	Stochastic neutral modelling of the Gut Microbiota's relative species abundance from next generation sequencing data. <i>BMC Bioinformatics</i> , 2016 , 17 Suppl 2, 16	3.6	14
50	Physical Activity and Nutrition Influences In ageing (PANINI): consortium mission statement. <i>Aging Clinical and Experimental Research</i> , 2018 , 30, 685-692	4.8	13
49	Impact of demography and population dynamics on the genetic architecture of human longevity. <i>Aging</i> , 2018 , 10, 1947-1963	5.6	13
48	Age-related modulation of plasmatic beta-Galactosidase activity in healthy subjects and in patients affected by T2DM. <i>Oncotarget</i> , 2017 , 8, 93338-93348	3.3	13

47	Ribosomal DNA instability: An evolutionary conserved fuel for inflammaging. <i>Ageing Research Reviews</i> , 2020 , 58, 101018	12	13
46	Assessing the combined effect of extremely low-frequency magnetic field exposure and oxidative stress on LINE-1 promoter methylation in human neural cells. <i>Radiation and Environmental Biophysics</i> , 2017 , 56, 193-200	2	12
45	Developmental programming of adult haematopoiesis system. <i>Ageing Research Reviews</i> , 2019 , 54, 100918	12	12
44	DNA methylation of shelf, shore and open sea CpG positions distinguish high microsatellite instability from low or stable microsatellite status colon cancer stem cells. <i>Epigenomics</i> , 2019 , 11, 587-604	4.4	12
43	High Cellular Monocyte Activation in People Living With Human Immunodeficiency Virus on Combination Antiretroviral Therapy and Lifestyle-Matched Controls Is Associated With Greater Inflammation in Cerebrospinal Fluid. <i>Open Forum Infectious Diseases</i> , 2017 , 4, ofx108	1	12
42	Responders and non-responders to influenza vaccination: A DNA methylation approach on blood cells. <i>Experimental Gerontology</i> , 2018 , 105, 94-100	4.5	12
41	Simple method for haplotyping the poly(TG) repeat in individuals carrying the IVS8 5T allele in the CFTR gene. <i>Clinical Chemistry</i> , 2007 , 53, 531-3	5.5	12
40	Down syndrome, accelerated aging and immunosenescence. <i>Seminars in Immunopathology</i> , 2020 , 42, 635-645	12	12
39	Three Reportedly Unrelated Families With Liddle Syndrome Inherited From a Common Ancestor. <i>Hypertension</i> , 2018 , 71, 273-279	8.5	12
38	Aberrant methylation patterns in colorectal cancer: a meta-analysis. <i>Oncotarget</i> , 2017 , 8, 12820-12830	3.3	11
37	Whole-genome sequencing analysis of semi-supercentenarians. <i>ELife</i> , 2021 , 10,	8.9	11
36	The Use of Non-Variant Sites to Improve the Clinical Assessment of Whole-Genome Sequence Data. <i>PLoS ONE</i> , 2015 , 10, e0132180	3.7	10
35	A Meta-Analysis of Brain DNA Methylation Across Sex, Age, and Alzheimer's Disease Points for Accelerated Epigenetic Aging in Neurodegeneration. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 639428	5.3	9
34	The role of extracellular DNA in COVID-19: Clues from inflamm-aging. <i>Ageing Research Reviews</i> , 2021 , 66, 101234	12	9
33	Epigenetic DNA methylation changes in episodic and chronic migraine. <i>Neurological Sciences</i> , 2018 , 39, 67-68	3.5	8
32	Erythropoietin (EPO) haplotype associated with all-cause mortality in a cohort of Italian patients with Type-2 Diabetes. <i>Scientific Reports</i> , 2019 , 9, 10395	4.9	8
31	Evaluation of Lymphocyte Response to the Induced Oxidative Stress in a Cohort of Ageing Subjects, including Semisupercentenarians and Their Offspring. <i>Mediators of Inflammation</i> , 2018 , 2018, 7109312	4.3	8
30	Age-Related Epigenetic Derangement upon Reprogramming and Differentiation of Cells from the Elderly. <i>Genes</i> , 2018 , 9,	4.2	7

29	Inferring the genetic history of lactase persistence along the Italian peninsula from a large genomic interval surrounding the LCT gene. <i>American Journal of Physical Anthropology</i> , 2015 , 158, 708-18	2.5	7
28	Aging and Caloric Restriction Modulate the DNA Methylation Profile of the Ribosomal RNA Locus in Human and Rat Liver. <i>Nutrients</i> , 2020 , 12,	6.7	6
27	First evidence of association between past environmental exposure to dioxin and DNA methylation of CYP1A1 and IGF2 genes in present day Vietnamese population. <i>Environmental Pollution</i> , 2018 , 242, 976-985	9.3	6
26	Insights From Liver-Humanized Mice on Cholesterol Lipoprotein Metabolism and LXR-Agonist Pharmacodynamics in Humans. <i>Hepatology</i> , 2020 , 72, 656-670	11.2	6
25	A geroscience approach for Parkinson's disease: Conceptual framework and design of PROPAG-AGEING project. <i>Mechanisms of Ageing and Development</i> , 2021 , 194, 111426	5.6	6
24	Applying hydrodynamic pressure to efficiently generate induced pluripotent stem cells via reprogramming of centenarian skin fibroblasts. <i>PLoS ONE</i> , 2019 , 14, e0215490	3.7	5
23	Down Syndrome, Ageing and Epigenetics. <i>Sub-Cellular Biochemistry</i> , 2019 , 91, 161-193	5.5	5
22	Comparative analysis of molecular signatures suggests the use of gabapentin for the management of endometriosis-associated pain. <i>Journal of Pain Research</i> , 2018 , 11, 715-725	2.9	5
21	Age-related DNA methylation changes are sex-specific: a comprehensive assessment		5
20	Circulating miR-19a-3p and miR-19b-3p characterize the human aging process and their isomiRs associate with healthy status at extreme ages. <i>Aging Cell</i> , 2021 , 20, e13409	9.9	4
19	Statistical strategies and stochastic predictive models for the MARK-AGE data. <i>Mechanisms of Ageing and Development</i> , 2015 , 151, 45-53	5.6	3
18	No association between frailty index and epigenetic clocks in Italian semi-supercentenarians. <i>Mechanisms of Ageing and Development</i> , 2021 , 197, 111514	5.6	3
17	Analysis of Epigenetic Age Predictors in Pain-Related Conditions. <i>Frontiers in Public Health</i> , 2020 , 8, 172	6	2
16	Regulatory T cells from patients with end-stage organ disease can be isolated, expanded and cryopreserved according good manufacturing practice improving their function. <i>Journal of Translational Medicine</i> , 2019 , 17, 250	8.5	2
15	DLX5/6 GABAergic Expression Affects Social Vocalization: Implications for Human Evolution. <i>Molecular Biology and Evolution</i> , 2021 , 38, 4748-4764	8.3	2
14	Genomics and epigenomics. <i>Journal of Headache and Pain</i> , 2015 , 16, A7	8.8	1
13	Early downregulation of hsa-miR-144-3p in serum from drug-naïve Parkinson's disease patients.. <i>Scientific Reports</i> , 2022 , 12, 1330	4.9	1
12	Metabolite and lipoprotein profiles reveal sex-related oxidative stress imbalance in de novo drug-naïve Parkinson's disease patients.. <i>Npj Parkinson's Disease</i> , 2022 , 8, 14	9.7	1

11	Gut microbiota ecology: Biodiversity estimated from hybrid neutral-niche model increases with health status and aging. <i>PLoS ONE</i> , 2020 , 15, e0237207	3.7	1
10	Ecological Sensing Through Taste and Chemosensation Mediates Inflammation: A Biological Anthropological Approach. <i>Advances in Nutrition</i> , 2020 , 11, 1671-1685	10	1
9	Investigating Mitonuclear Genetic Interactions Through Machine Learning: A Case Study on Cold Adaptation Genes in Human Populations From Different European Climate Regions. <i>Frontiers in Physiology</i> , 2020 , 11, 575968	4.6	1
8	Elevated metallothionein expression in long-lived species mediates the influence of cadmium accumulation on aging. <i>GeroScience</i> , 2021 , 43, 1975-1993	8.9	1
7	Tracing Behçet's disease origins along the Silk Road: an anthropological evolutionary genetics perspective. <i>Clinical and Experimental Rheumatology</i> , 2015 , 33, S60-6	2.2	1
6	Response by Giuliani et al to Letter Regarding Article, "Genetics of Human Longevity Within an Eco-Evolutionary Nature-Nurture Framework". <i>Circulation Research</i> , 2019 , 124, e2-e3	15.7	0
5	Heterogeneity of prodromal Parkinson symptoms in siblings of Parkinson disease patients. <i>Npj Parkinson's Disease</i> , 2021 , 7, 78	9.7	0
4	Association of rs3027178 polymorphism in the circadian clock gene PER1 with susceptibility to Alzheimer's disease and longevity in an Italian population.. <i>GeroScience</i> , 2021 , 1	8.9	0
3	DNA Methylation Analysis of Ribosomal DNA in Adults With Down Syndrome.. <i>Frontiers in Genetics</i> , 2022 , 13, 792165	4.5	0
2	The Physical Activity and Nutritional Influences in Ageing (PANINI) Toolkit: A Standardized Approach towards Physical Activity and Nutritional Assessment of Older Adults. <i>Healthcare (Switzerland)</i> , 2022 , 10, 1017	3.4	0
1	DNA methylation correlation structure of chromosome 21 in Down syndrome.. <i>Theoretical Biology Forum</i> , 2021 , 114, 89-113	0.1	