Claudio Franceschi

List of Publications by Citations

653 papers	45,831 citations	98 h-index	188 g-index
705 ext. papers	54,583 ext. citations	6 avg, IF	7.49 L-index

#	Paper	IF	Citations
653	Inflamm-aging. An evolutionary perspective on immunosenescence. *Annals of the New York Academy of Sciences*, **2000**, 908, 244-54	6.5	2822
652	Chronic inflammation (inflammaging) and its potential contribution to age-associated diseases. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2014**, 69 Suppl 1, S4-9	6.4	1832
651	Inflammaging and anti-inflammaging: a systemic perspective on aging and longevity emerged from studies in humans. *Mechanisms of Ageing and Development*, **2007**, 128, 92-105	5.6	1433
650	Geroscience: linking aging to chronic disease. *Cell*, **2014**, 159, 709-13	56.2	1068
649	Through ageing, and beyond: gut microbiota and inflammatory status in seniors and centenarians. *PLoS ONE*, **2010**, 5, e10667	3.7	851
648	Inflammaging: a new immune-metabolic viewpoint for age-related diseases. *Nature Reviews Endocrinology*, **2018**, 14, 576-590	15.2	831
647	Chronic inflammation in the etiology of disease across the life span. *Nature Medicine*, **2019**, 25, 1822-1832	30.5	830
646	JC-1, but not DiOC6(3) or rhodamine 123, is a reliable fluorescent probe to assess delta psi changes in intact cells: implications for studies on mitochondrial functionality during apoptosis. *FEBS Letters* , **1997**, 411, 77-82	3.8	815
645	Increased cytokine production in mononuclear cells of healthy elderly people. *European Journal of Immunology*, **1993**, 23, 2375-8	6.1	517
644	Immunosenescence and Inflamm-Aging As Two Sides of the Same Coin: Friends or Foes?. *Frontiers in Immunology*, **2017**, 8, 1960	8.4	502
643	The immunology of exceptional individuals: the lesson of centenarians. *Trends in Immunology*, **1995**, 16, 12-6		457
642	Shortage of circulating naive CD8+ T cells provides new insights on immunodeficiency in aging. *Blood*, **2000**, 95, 2860-2868	2.2	406
641	Inflammaging and Garb-aging *Trends in Endocrinology and Metabolism*, **2017**, 28, 199-212	8.8	403
640	Gut Microbiota and Extreme Longevity. *Current Biology*, **2016**, 26, 1480-5	6.3	402
639	Interventions to Slow Aging in Humans: Are We Ready?. *Aging Cell*, **2015**, 14, 497-510	9.9	373
638	Control of apoptosis by the cellular ATP level. *FEBS Letters*, **1996**, 378, 107-10	3.8	370
637	Human immunosenescence: the prevailing of innate immunity, the failing of clonotypic immunity, and the filling of immunological space. *Vaccine*, **2000**, 18, 1717-20	4.1	342

636	Accelerated epigenetic aging in Down syndrome. *Aging Cell*, **2015**, 14, 491-5	9.9	333
635	Effect of metformin on life span and on the development of spontaneous mammary tumors in HER-2/neu transgenic mice. *Experimental Gerontology*, **2005**, 40, 685-93	4.5	330
634	Inflamm-ageing and lifelong antigenic load as major determinants of ageing rate and longevity. *FEBS Letters*, **2005**, 579, 2035-9	3.8	323
633	Innate immunity and inflammation in ageing: a key for understanding age-related diseases. *Immunity and Ageing*, **2005**, 2, 8	9.7	323
632	The Continuum of Aging and Age-Related Diseases: Common Mechanisms but Different Rates. *Frontiers in Medicine*, **2018**, 5, 61	4.9	319
631	A novel VNTR enhancer within the SIRT3 gene, a human homologue of SIR2, is associated with survival at oldest ages. *Genomics*, **2005**, 85, 258-63	4.3	313
630	Insulin/IGF-I-signaling pathway: an evolutionarily conserved mechanism of longevity from yeast to humans. *American Journal of Physiology - Endocrinology and Metabolism*, **2003**, 285, E1064-71	6	307
629	T cells and aging, January 2002 update. *Frontiers in Bioscience - Landmark*, **2002**, 7, d1056-183	2.8	304
628	The aging thyroid. *Endocrine Reviews*, **1995**, 16, 686-715	27.2	273
627	Inflammation markers predicting frailty and mortality in the elderly. *Experimental and Molecular Pathology*, **2006**, 80, 219-27	4.4	266
626	Aging of the human metaorganism: the microbial counterpart. *Age*, **2012**, 34, 247-67		263
625	A gender-dependent genetic predisposition to produce high levels of IL-6 is detrimental for longevity. *European Journal of Immunology*, **2001**, 31, 2357-2361	6.1	262
624	Methylation of ELOVL2 gene as a new epigenetic marker of age. *Aging Cell*, **2012**, 11, 1132-4	9.9	261
623	Protective effect of N-acetylcysteine in tumor necrosis factor-alpha-induced apoptosis in U937 cells: the role of mitochondria. *Experimental Cell Research*, **1995**, 220, 232-40	4.2	259
622	Polymorphic variants of insulin-like growth factor I (IGF-I) receptor and phosphoinositide 3-kinase genes affect IGF-I plasma levels and human longevity: cues for an evolutionarily conserved mechanism of life span control. *Journal of Clinical Endocrinology and Metabolism*, **2003**, 88, 3299-304	5.6	251
621	Inflammaging as a Major Characteristic of Old People: Can It Be Prevented or Cured?. *Nutrition Reviews*, **2007**, 65, 173-176	6.4	247
620	Age-Associated Loss of OPA1 in Muscle Impacts Muscle Mass, Metabolic Homeostasis, Systemic Inflammation, and Epithelial Senescence. *Cell Metabolism*, **2017**, 25, 1374-1389.e6	24.6	245
619	Health relevance of the modification of low grade inflammation in ageing (inflammageing) and the role of nutrition. *Ageing Research Reviews*, **2017**, 40, 95-119	12	221

618	Chronic inflammation and the effect of IGF-I on muscle strength and power in older persons. *American Journal of Physiology - Endocrinology and Metabolism*, **2003**, 284, E481-7	6	219
617	Inflamm-ageing. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2013**, 16, 14-20	3.8	215
616	Circulating mitochondrial DNA increases with age and is a familiar trait: Implications for "inflamm-aging". *European Journal of Immunology*, **2014**, 44, 1552-62	6.1	214
615	Plasma antioxidants and longevity: a study on healthy centenarians. *Free Radical Biology and Medicine*, **2000**, 28, 1243-8	7.8	212
614	Decreased epigenetic age of PBMCs from Italian semi-supercentenarians and their offspring. *Aging*, **2015**, 7, 1159-70	5.6	211
613	Aging of the immune system as a prognostic factor for human longevity. *Physiology*, **2008**, 23, 64-74	9.8	210
612	Mediterranean diet intervention alters the gut microbiome in older people reducing frailty and improving health status: the NU-AGE 1-year dietary intervention across five European countries. *Gut*, **2020**, 69, 1218-1228	19.2	209
611	CD45 isoforms expression on CD4+ and CD8+ T cells throughout life, from newborns to centenarians: implications for T cell memory. *Mechanisms of Ageing and Development*, **1996**, 86, 173-95	5.6	206
610	Functional metagenomic profiling of intestinal microbiome in extreme ageing. *Aging*, **2013**, 5, 902-12	5.6	200
609	Undulating changes in human plasma proteome profiles across the lifespan. *Nature Medicine*, **2019**, 25, 1843-1850	50.5	195
608	Age-related differences in the expression of circulating microRNAs: miR-21 as a new circulating marker of inflammaging. *Mechanisms of Ageing and Development*, **2012**, 133, 675-85	5.6	189
607	Genome-wide association meta-analysis of human longevity identifies a novel locus conferring survival beyond 90 years of age. *Human Molecular Genetics*, **2014**, 23, 4420-32	5.6	188
606	Ageing and gut microbes: perspectives for health maintenance and longevity. *Pharmacological Research*, **2013**, 69, 11-20	10.2	184
605	Cytomegalovirus infection: a driving force in human T cell immunosenescence. *Annals of the New York Academy of Sciences*, **2007**, 1114, 23-35	6.5	184
604	Reconfiguration of DNA methylation in aging. *Mechanisms of Ageing and Development*, **2015**, 151, 60-70	5.6	176
603	Calorie restriction in humans inhibits the PI3K/AKT pathway and induces a younger transcription profile. *Aging Cell*, **2013**, 12, 645-51	9.9	175
602	Genes involved in immune response/inflammation, IGF1/insulin pathway and response to oxidative stress play a major role in the genetics of human longevity: the lesson of centenarians. *Mechanisms of Ageing and Development*, **2005**, 126, 351-61	5.6	175
601	Aging and Parkinson's Disease: Inflammaging, neuroinflammation and biological remodeling as key factors in pathogenesis. *Free Radical Biology and Medicine*, **2018**, 115, 80-91	7.8	173

600	Mitochondrial modifications during rat thymocyte apoptosis: a study at the single cell level. *Experimental Cell Research*, **1994**, 214, 323-30	4.2	172
599	Marked increase with age of type 1 cytokines within memory and effector/cytotoxic CD8+ T cells in humans: a contribution to understand the relationship between inflammation and immunosenescence. *Experimental Gerontology*, **2003**, 38, 981-7	4.5	166
598	Immunoproteasome and LMP2 polymorphism in aged and Alzheimer's disease brains. *Neurobiology of Aging*, **2006**, 27, 54-66	5.6	162
597	Inflammaging as a major characteristic of old people: can it be prevented or cured?. *Nutrition Reviews*, **2007**, 65, S173-6	6.4	160
596	Aging, longevity, inflammation, and cancer. *Annals of the New York Academy of Sciences*, **2004**, 1028, 1-13	6.5	160
595	Identification of a geographic area characterized by extreme longevity in the Sardinia island: the AKEA study. *Experimental Gerontology*, **2004**, 39, 1423-9	4.5	158
594	MiR-146a as marker of senescence-associated pro-inflammatory status in cells involved in vascular remodelling. *Age*, **2013**, 35, 1157-72		155
593	N-glycomic biomarkers of biological aging and longevity: a link with inflammaging. *Ageing Research Reviews*, **2013**, 12, 685-98	12	151
592	Oxidative stress and the ageing endocrine system. *Nature Reviews Endocrinology*, **2013**, 9, 228-40	15.2	150
591	Vaccination in the elderly: The challenge of immune changes with aging. *Seminars in Immunology*, **2018**, 40, 83-94	10.7	149
590	Metabolic signatures of extreme longevity in northern Italian centenarians reveal a complex remodeling of lipids, amino acids, and gut microbiota metabolism. *PLoS ONE*, **2013**, 8, e56564	3.7	148
589	MicroRNAs linking inflamm-aging, cellular senescence and cancer. *Ageing Research Reviews*, **2013**, 12, 1056-68	12	147
588	Role of epigenetics in human aging and longevity: genome-wide DNA methylation profile in centenarians and centenarians' offspring. *Age*, **2013**, 35, 1961-73		146
587	MARK-AGE biomarkers of ageing. *Mechanisms of Ageing and Development*, **2015**, 151, 2-12	5.6	145
586	Strikingly higher frequency in centenarians and twins of mtDNA mutation causing remodeling of replication origin in leukocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 1116-21	11.5	145
585	Genome-wide linkage analysis for human longevity: Genetics of Healthy Aging Study. *Aging Cell*, **2013**, 12, 184-93	9.9	140
584	Interleukin-6 gene alleles affect the risk of Alzheimer's disease and levels of the cytokine in blood and brain. *Neurobiology of Aging*, **2003**, 24, 921-6	5.6	139
583	The invertebrate phagocytic immunocyte: clues to a common evolution of immune and neuroendocrine systems. *Trends in Immunology*, **1997**, 18, 169-74		137

582	Massive load of functional effector CD4+ and CD8+ T cells against cytomegalovirus in very old subjects. *Journal of Immunology*, **2007**, 179, 4283-91	5.3	136
581	Gender, aging and longevity in humans: an update of an intriguing/neglected scenario paving the way to a gender-specific medicine. *Clinical Science*, **2016**, 130, 1711-25	6.5	134
580	Increased brain-predicted aging in treated HIV disease. *Neurology*, **2017**, 88, 1349-1357	6.5	133
579	Mitochondrial DNA haplogroups and APOE4 allele are non-independent variables in sporadic Alzheimer's disease. *Human Genetics*, **2001**, 108, 194-8	6.3	131
578	The treatment of osteosarcoma of the extremities: twenty years' experience at the Istituto Ortopedico Rizzoli. *Cancer*, **1981**, 48, 1569-81	6.4	131
577	Mitochondrial membrane potential and DNA stainability in human sperm cells: a flow cytometry analysis with implications for male infertility. *Experimental Cell Research*, **1998**, 241, 384-93	4.2	130
576	Immunobiography and the Heterogeneity of Immune Responses in the Elderly: A Focus on Inflammaging and Trained Immunity. *Frontiers in Immunology*, **2017**, 8, 982	8.4	125
575	Apoptosis, DNA damage and ubiquitin expression in normal and mdx muscle fibers after exercise. *FEBS Letters*, **1995**, 373, 291-5	3.8	123
574	Immune system, cell senescence, aging and longevity--inflamm-aging reappraised. *Current Pharmaceutical Design*, **2013**, 19, 1675-9	3.3	123
573	Lymphocytes and low-frequency electromagnetic fields. *FASEB Journal*, **1992**, 6, 2667-74	0.9	122
572	Inflammaging and cancer: a challenge for the Mediterranean diet. *Nutrients*, **2015**, 7, 2589-621	6.7	117
571	Chemokines, sTNF-Rs and sCD30 serum levels in healthy aged people and centenarians. *Mechanisms of Ageing and Development*, **2000**, 121, 37-46	5.6	116
570	Biomarkers of immunosenescence within an evolutionary perspective: the challenge of heterogeneity and the role of antigenic load. *Experimental Gerontology*, **1999**, 34, 911-21	4.5	115
569	HAPLOFIND: a new method for high-throughput mtDNA haplogroup assignment. *Human Mutation*, **2013**, 34, 1189-94	4.7	111
568	What accounts for the wide variation in life span of genetically identical organisms reared in a constant environment?. *Mechanisms of Ageing and Development*, **2005**, 126, 439-43	5.6	111
567	Paradoxes in longevity: sequence analysis of mtDNA haplogroup J in centenarians. *European Journal of Human Genetics*, **2001**, 9, 701-7	5.3	109
566	Novel loci and pathways significantly associated with longevity. *Scientific Reports*, **2016**, 6, 21243	4.9	105
565	Gut microbiota changes in the extreme decades of human life: a focus on centenarians. *Cellular and Molecular Life Sciences*, **2018**, 75, 129-148	10.3	104

564	Mitochondria alterations and dramatic tendency to undergo apoptosis in peripheral blood lymphocytes during acute HIV syndrome. *Aids*, **1997**, 11, 19-26	3.5	103
563	Low vitamin D status, high bone turnover, and bone fractures in centenarians. *Journal of Clinical Endocrinology and Metabolism*, **2003**, 88, 5109-15	5.6	103
562	A meta-analysis of genome-wide association studies identifies multiple longevity genes. *Nature Communications*, **2019**, 10, 3669	17.4	102
561	The genetics of human longevity. *Annals of the New York Academy of Sciences*, **2006**, 1067, 252-63	6.5	102
560	Cytometric analysis of immunosenescence. *Cytometry*, **1997**, 27, 297-313		101
559	Apoptosis-like, reversible changes in plasma membrane asymmetry and permeability, and transient modifications in mitochondrial membrane potential induced by curcumin in rat thymocytes. *FEBS Letters*, **1998**, 433, 287-93	3.8	101
558	Different contribution of EBV and CMV infections in very long-term carriers to age-related alterations of CD8+ T cells. *Experimental Gerontology*, **2004**, 39, 1233-43	4.5	99
557	Exercise induces myonuclear ubiquitination and apoptosis in dystrophin-deficient muscle of mice. *Journal of Neuropathology and Experimental Neurology*, **1997**, 56, 45-57	3.1	98
556	Inflammaging and human longevity in the omics era. *Mechanisms of Ageing and Development*, **2017**, 165, 129-138	5.6	97
555	Combating inflammaging through a Mediterranean whole diet approach: the NU-AGE project's conceptual framework and design. *Mechanisms of Ageing and Development*, **2014**, 136-137, 3-13	5.6	97
554	Thymic output and functionality of the IL-7/IL-7 receptor system in centenarians: implications for the neolymphogenesis at the limit of human life. *Aging Cell*, **2006**, 5, 167-75	9.9	97
553	Human models of aging and longevity. *Expert Opinion on Biological Therapy*, **2008**, 8, 1393-405	5.4	96
552	The G/C915 polymorphism of transforming growth factor beta1 is associated with human longevity: a study in Italian centenarians. *Aging Cell*, **2004**, 3, 443-8	9.9	96
551	C60 carboxyfullerene exerts a protective activity against oxidative stress-induced apoptosis in human peripheral blood mononuclear cells. *Biochemical and Biophysical Research Communications*, **2000**, 277, 711-7	3.4	96
550	Mediterranean diet and inflammaging within the hormesis paradigm. *Nutrition Reviews*, **2017**, 75, 442-455	6.4	95
549	Immune System, Cell Senescence, Aging and Longevity - Inflamm-Aging Reappraised. *Current Pharmaceutical Design*, **2013**, 19, 1675-1679	3.3	95
548	Association between the interleukin-1beta polymorphisms and Alzheimer's disease: a systematic review and meta-analysis. *Brain Research Reviews*, **2008**, 59, 155-63		94
547	N-glycomic changes in serum proteins during human aging. *Rejuvenation Research*, **2007**, 10, 521-531a	2.6	94

546	Allele frequencies of +874T-->A single nucleotide polymorphism at the first intron of interferon-gamma gene in a group of Italian centenarians. *Experimental Gerontology*, **2002**, 37, 315-9	4.5	93
545	What evidence is there for the existence of individual genes with antagonistic pleiotropic effects?. *Mechanisms of Ageing and Development*, **2005**, 126, 421-9	5.6	93
544	Serum N-glycan profile shift during human ageing. *Experimental Gerontology*, **2010**, 45, 738-43	4.5	92
543	Immunogenetics, gender, and longevity. *Annals of the New York Academy of Sciences*, **2006**, 1089, 516-37	6.5	91
542	Diverse effect of inflammatory markers on insulin resistance and insulin-resistance syndrome in the elderly. *Journal of the American Geriatrics Society*, **2004**, 52, 399-404	5.6	91
541	Serum profiling of healthy aging identifies phospho- and sphingolipid species as markers of human longevity. *Aging*, **2014**, 6, 9-25	5.6	91
540	A study of serum immunoglobulin levels in elderly persons that provides new insights into B cell immunosenescence. *Annals of the New York Academy of Sciences*, **2006**, 1089, 487-95	6.5	90
539	Telomere length in fibroblasts and blood cells from healthy centenarians. *Experimental Cell Research*, **1999**, 248, 234-42	4.2	90
538	Long-term immune-endocrine effects of bereavement: relationships with anxiety levels and mood. *Psychiatry Research*, **2003**, 121, 145-58	9.9	89
537	Inhibition of apoptosis by zinc: a reappraisal. *Biochemical and Biophysical Research Communications*, **1992**, 187, 1256-61	3.4	89
536	Vitamin E-gene interactions in aging and inflammatory age-related diseases: implications for treatment. A systematic review. *Ageing Research Reviews*, **2014**, 14, 81-101	12	87
535	Evidence for sub-haplogroup h5 of mitochondrial DNA as a risk factor for late onset Alzheimer's disease. *PLoS ONE*, **2010**, 5, e12037	3.7	87
534	Genome-Wide Scan Informed by Age-Related Disease Identifies Loci for Exceptional Human Longevity. *PLoS Genetics*, **2015**, 11, e1005728	6	86
533	Association of the mitochondrial DNA haplogroup J with longevity is population specific. *European Journal of Human Genetics*, **2004**, 12, 1080-2	5.3	86
532	Human intestinal microbiota: cross-talk with the host and its potential role in colorectal cancer. *Critical Reviews in Microbiology*, **2011**, 37, 1-14	7.8	85
531	The -174 C/G locus affects in vitro/in vivo IL-6 production during aging. *Experimental Gerontology*, **2002**, 37, 309-14	4.5	85
530	Gene polymorphism affecting α1-antichymotrypsin and interleukin-1 plasma levels increases Alzheimer's disease risk. *Annals of Neurology*, **2000**, 48, 388-391	9.4	85
529	Autocrine nerve growth factor protects human keratinocytes from apoptosis through its high affinity receptor (TRK): a role for BCL-2. *Journal of Investigative Dermatology*, **1997**, 109, 757-64	4.3	83

528	Metallothioneins/PARP-1/IL-6 interplay on natural killer cell activity in elderly: parallelism with nonagenarians and old infected humans. Effect of zinc supply. *Mechanisms of Ageing and Development*, **2003**, 124, 459-68	5.6	83
527	In vitro peroxidase oxidation induces stable dimers of beta-amyloid (1-42) through dityrosine bridge formation. *Amyloid: the International Journal of Experimental and Clinical Investigation: the Official Journal of the International Society of Amyloidosis*, **1999**, 6, 7-13	2.7	82
526	Human Aging and Longevity Are Characterized by High Levels of Mitokines. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2019**, 74, 600-607	6.4	81
525	Impact of personalized diet and probiotic supplementation on inflammation, nutritional parameters and intestinal microbiota - The "RISTOMED project": Randomized controlled trial in healthy older people. *Clinical Nutrition*, **2015**, 34, 593-602	5.9	80
524	Effect of interleukin-6 polymorphisms on human longevity: a systematic review and meta-analysis. *Ageing Research Reviews*, **2009**, 8, 36-42	12	80
523	Age-dependent alteration in muscle regeneration: the critical role of tissue niche. *Biogerontology*, **2013**, 14, 273-92	4.5	79
522	The A3 adenosine receptor mediates cell spreading, reorganization of actin cytoskeleton, and distribution of Bcl-XL: studies in human astroglioma cells. *Biochemical and Biophysical Research Communications*, **1997**, 241, 297-304	3.4	79
521	The -174G/C polymorphism of IL-6 is useful to screen old subjects at risk for atherosclerosis or to reach successful ageing. *Experimental Gerontology*, **2004**, 39, 621-8	4.5	79
520	Age- and glycemia-related miR-126-3p levels in plasma and endothelial cells. *Aging*, **2014**, 6, 771-87	5.6	78
519	The aging gut microbiota: new perspectives. *Ageing Research Reviews*, **2011**, 10, 428-9	12	78
518	Long-term immunologic effects of thymectomy in patients with myasthenia gravis. *Journal of Allergy and Clinical Immunology*, **1999**, 103, 865-72	11.5	78
517	Serum IL-1beta levels in health and disease: a population-based study. "The InCHIANTI study" *Cytokine*, **2003**, 22, 198-205	4	77
516	Mitochondria, aging and longevity--a new perspective. *FEBS Letters*, **2001**, 492, 9-13	3.8	77
515	Exposure to low frequency pulsed electromagnetic fields increases interleukin-1 and interleukin-6 production by human peripheral blood mononuclear cells. *Experimental Cell Research*, **1993**, 204, 385-7	4.2	77
514	Identifying the genomic determinants of aging and longevity in human population studies: progress and challenges. *BioEssays*, **2013**, 35, 386-96	4.1	76
513	Systematic review by meta-analyses on the possible role of TNF-alpha polymorphisms in association with Alzheimer's disease. *Brain Research Reviews*, **2009**, 61, 60-8		76
512	Earthworm leukocytes that are not phagocytic and cross-react with several human epitopes can kill human tumor cell lines. *Experimental Cell Research*, **1996**, 224, 174-82	4.2	76
511	From lifetime to evolution: timescales of human gut microbiota adaptation. *Frontiers in Microbiology*, **2014**, 5, 587	5.7	74

510	Genetics of healthy aging in Europe: the EU-integrated project GEHA (GEnetics of Healthy Aging). *Annals of the New York Academy of Sciences*, **2007**, 1100, 21-45	6.5	74
509	Discovery of novel and selective SIRT6 inhibitors. *Journal of Medicinal Chemistry*, **2014**, 57, 4796-804	8.3	72
508	Modulation of apoptosis by adenosine in the central nervous system: a possible role for the A3 receptor. Pathophysiological significance and therapeutic implications for neurodegenerative disorders. *Annals of the New York Academy of Sciences*, **1997**, 825, 11-22	6.5	72
507	Cytotoxicity and immunocyte markers in cells from the freshwater snail Planorbarius corneus (L.) (Gastropoda pulmonata): implications for the evolution of natural killer cells. *European Journal of Immunology*, **1991**, 21, 489-93	6.1	72
506	In vitro exposure of human lymphocytes to 900 MHz CW and GSM modulated radiofrequency: studies of proliferation, apoptosis and mitochondrial membrane potential. *Radiation Research*, **2004**, 162, 211-8	3.1	71
505	Presence of ACTH and beta-endorphin immunoreactive molecules in the freshwater snail Planorbarius corneus (L.) (Gastropoda, Pulmonata) and their possible role in phagocytosis. *Regulatory Peptides*, **1990**, 27, 1-9		70
504	Identification of a DNA methylation signature in blood cells from persons with Down Syndrome. *Aging*, **2015**, 7, 82-96	5.6	68
503	Corticotropin-releasing hormone modulates cytokines release in cultured human peripheral blood mononuclear cells. *Life Sciences*, **1993**, 53, 1735-42	6.8	68
502	Aging and Imaging Assessment of Body Composition: From Fat to Facts. *Frontiers in Endocrinology*, **2019**, 10, 861	5.7	68
501	Role of Toll-like receptor 4 in acute myocardial infarction and longevity. *JAMA - Journal of the American Medical Association*, **2004**, 292, 2339-40	27.4	67
500	Immunoproteasomes and immunosenescence. *Ageing Research Reviews*, **2003**, 2, 419-32	12	67
499	The highly reducing sugar 2-deoxy-D-ribose induces apoptosis in human fibroblasts by reduced glutathione depletion and cytoskeletal disruption. *Biochemical and Biophysical Research Communications*, **1998**, 243, 416-25	3.4	67
498	Numerical and functional alterations of circulating gammadelta T lymphocytes in aged people and centenarians. *Journal of Leukocyte Biology*, **2002**, 72, 65-71	6.5	67
497	Present and future of anti-ageing epigenetic diets. *Mechanisms of Ageing and Development*, **2014**, 136-137, 101-15	5.6	66
496	The co-occurrence of mtDNA mutations on different oxidative phosphorylation subunits, not detected by haplogroup analysis, affects human longevity and is population specific. *Aging Cell*, **2014**, 13, 401-7	9.9	66
495	Intense antiextracellular adaptive immune response to human cytomegalovirus in very old subjects with impaired health and cognitive and functional status. *Journal of Immunology*, **2010**, 184, 3242-9	5.3	66
494	Why do centenarians escape or postpone cancer? The role of IGF-1, inflammation and p53. *Cancer Immunology, Immunotherapy*, **2009**, 58, 1909-17	7.4	66
493	N-glycomic changes in serum proteins in type 2 diabetes mellitus correlate with complications and with metabolic syndrome parameters. *PLoS ONE*, **2015**, 10, e0119983	3.7	65

492	Association between longevity and cytokine gene polymorphisms. A study in Sardinian centenarians. *Aging Clinical and Experimental Research*, **2004**, 16, 244-8	4.8	65
491	The role of low-grade inflammation and metabolic flexibility in aging and nutritional modulation thereof: a systems biology approach. *Mechanisms of Ageing and Development*, **2014**, 136-137, 138-47	5.6	64
490	Mitochondrial heterogeneity during staurosporine-induced apoptosis in HL60 cells: analysis at the single cell and single organelle level. *Cytometry*, **2000**, 40, 189-97		64
489	Inhibin and activin modulate human monocyte chemotaxis and human lymphocyte interferon-gamma production. *Journal of Clinical Endocrinology and Metabolism*, **1991**, 72, 496-502	5.6	64
488	Small extracellular vesicles deliver miR-21 and miR-217 as pro-senescence effectors to endothelial cells. *Journal of Extracellular Vesicles*, **2020**, 9, 1725285	16.4	63
487	Gene expression changes in human cells after exposure to mobile phone microwaves. *Proteomics*, **2006**, 6, 4745-54	4.8	63
486	Decreased susceptibility to oxidative stress-induced apoptosis of peripheral blood mononuclear cells from healthy elderly and centenarians. *Mechanisms of Ageing and Development*, **2000**, 121, 239-50	5.6	63
485	Low insulin resistance and preserved beta-cell function contribute to human longevity but are not associated with TH-INS genes. *Experimental Gerontology*, **2001**, 37, 149-56	4.5	63
484	HLA, aging, and longevity: a critical reappraisal. *Human Immunology*, **2000**, 61, 942-9	2.3	63
483	Low circulating IGF-I bioactivity is associated with human longevity: findings in centenariansN offspring. *Aging*, **2012**, 4, 580-9	5.6	63
482	-174 G>C polymorphism of interleukin 6 gene promoter affects interleukin 6 serum level in patients with colorectal cancer. *Clinical Cancer Research*, **2003**, 9, 2173-6	12.9	63
481	Inflamm-aging of the stem cell niche: breast cancer as a paradigmatic example: breakdown of the multi-shell cytokine network fuels cancer in aged people. *BioEssays*, **2012**, 34, 40-9	4.1	62
480	The genetics of human longevity: an intricacy of genes, environment, culture and microbiome. *Mechanisms of Ageing and Development*, **2017**, 165, 147-155	5.6	61
479	The interleukin-6 -174 G>C promoter polymorphism is associated with a higher risk of death after an acute coronary syndrome in male elderly patients. *International Journal of Cardiology*, **2005**, 103, 266-71	3.2	61
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