Stefano Salvioli

List of Publications by Year
in descending order

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140 papers	13,065 citations	23567 58 h-index	24258 110 g-index
143 all docs	143 docs citations	143 times ranked	18907 citing authors

#	Article	IF	Citations
1	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.	4.6	1,759
2	JC-1, but not DiOC6(3) or rhodamine 123, is a reliable fluorescent probe to assess Î”Î¨changes in intact cells: implications for studies on mitochondrial functionality during apoptosis. FEBS Letters, 1997, 411, 77-82.	2.8	902
3	Inflammaging and â€˜Garb-agingâ€™. Trends in Endocrinology and Metabolism, 2017, 28, 199-212.	7.1	624
4	The Continuum of Aging and Age-Related Diseases: Common Mechanisms but Different Rates. Frontiers in Medicine, 2018, 5, 61.	2.6	589
5	Accelerated epigenetic aging in Down syndrome. Aging Cell, 2015, 14, 491-495.	6.7	446
6	Age-Associated Loss of OPA1 in Muscle Impacts Muscle Mass, Metabolic Homeostasis, Systemic Inflammation, and Epithelial Senescence. Cell Metabolism, 2017, 25, 1374-1389.e6.	16.2	388
7	Methylation of <scp>ELOVL</scp>2 gene as a new epigenetic marker of age. Aging Cell, 2012, 11, 1132-1134.	6.7	362
8	Health relevance of the modification of low grade inflammation in ageing (inflammageing) and the role of nutrition. Ageing Research Reviews, 2017, 40, 95-119.	10.9	337
9	Circulating mitochondrial DNA increases with age and is a familiar trait: Implications for â€œinflammâ€aging‚€• European Journal of Immunology, 2014, 44, 1552-1562.	2.9	305
10	Protective Effect of N-Acetylcysteine in Tumor Necrosis Factor-Î±-Induced Apoptosis in U937 Cells: The Role of Mitochondria. Experimental Cell Research, 1995, 220, 232-240.	2.6	273
11	Genome-wide association meta-analysis of human longevity identifies a novel locus conferring survival beyond 90 years of age. Human Molecular Genetics, 2014, 23, 4420-4432.	2.9	227
12	Oxidative stress and the ageing endocrine system. Nature Reviews Endocrinology, 2013, 9, 228-240.	9.6	206
13	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.	2.5	205
14	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, 351-361.	4.6	193
15	Immunobiography and the Heterogeneity of Immune Responses in the Elderly: A Focus on Inflammaging and Trained Immunity. Frontiers in Immunology, 2017, 8, 982.	4.8	190
16	Mitochondrial Modifications during Rat Thymocyte Apoptosis: A Study at the Single Cell Level. Experimental Cell Research, 1994, 214, 323-330.	2.6	187
17	MicroRNAs linking inflamm-aging, cellular senescence and cancer. Ageing Research Reviews, 2013, 12, 1056-1068.	10.9	173
18	Inflammaging and Cancer: A Challenge for the Mediterranean Diet. Nutrients, 2015, 7, 2589-2621.	4.1	160

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19	Immune system, cell senescence, aging and longevity--inflamm-aging reappraised. Current Pharmaceutical Design, 2013, 19, 1675-9.	1.9	144
20	Herpes Simplex Virus Glycoproteins gH/gL and gB Bind Toll-Like Receptor 2, and Soluble gH/gL Is Sufficient To Activate NF-Î¹B. Journal of Virology, 2012, 86, 6555-6562.	3.4	136
21	Mediterranean diet and inflammaging within the hormesis paradigm. Nutrition Reviews, 2017, 75, 442-455.	5.8	132
22	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.	4.6	131
23	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.	3.6	130
24	Elevated gut microbiome abundance of Christensenellaceae, Porphyromonadaceae and Rikenellaceae is associated with reduced visceral adipose tissue and healthier metabolic profile in Italian elderly. Gut Microbes, 2021, 13, 1-19.	9.8	127
25	Serum profiling of healthy aging identifies phospho- and sphingolipid species as markers of human longevity. Aging, 2014, 6, 9-25.	3.1	126
26	The Genetics of Human Longevity. Annals of the New York Academy of Sciences, 2006, 1067, 252-263.	3.8	124
27	Evidence for Sub-Haplogroup H5 of Mitochondrial DNA as a Risk Factor for Late Onset Alzheimer's Disease. PLoS ONE, 2010, 5, e12037.	2.5	117
28	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, 287-293.	2.8	114
29	C60 Carboxyfullerene Exerts a Protective Activity against Oxidative Stress-Induced Apoptosis in Human Peripheral Blood Mononuclear Cells. Biochemical and Biophysical Research Communications, 2000, 277, 711-717.	2.1	103
30	Perilipin 2 and Age-Related Metabolic Diseases: A New Perspective. Trends in Endocrinology and Metabolism, 2016, 27, 893-903.	7.1	102
31	Immune System, Cell Senescence, Aging and Longevity - Inflamm-Aging Reappraised. Current Pharmaceutical Design, 2013, 19, 1675-1679.	1.9	101
32	Mitochondria, aging and longevity - a new perspective. FEBS Letters, 2001, 492, 9-13.	2.8	92
33	Identification of a DNA methylation signature in blood cells from persons with Down Syndrome. Aging, 2014, 7, 82-96.	3.1	92
34	Earthworm Leukocytes That Are Not Phagocytic and Cross-React with Several Human Epitopes Can Kill Human Tumor Cell Lines. Experimental Cell Research, 1996, 224, 174-182.	2.6	85
35	Î±vÎ²6- and Î±vÎ²8-Integrins Serve As Interchangeable Receptors for HSV gH/gL to Promote Endocytosis and Activation of Membrane Fusion. PLoS Pathogens, 2013, 9, e1003806.	4.7	85
36	N-Glycomic Changes in Serum Proteins in Type 2 Diabetes Mellitus Correlate with Complications and with Metabolic Syndrome Parameters. PLoS ONE, 2015, 10, e0119983.	2.5	81

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37	Immune System, Cell Senescence, Aging and Longevity - Inflamm-Aging Reappraised. Current Pharmaceutical Design, 2013, 19, 1675-1679.	1.9	80
38	Why do centenarians escape or postpone cancer? The role of IGF-1, inflammation and p53. Cancer Immunology, Immunotherapy, 2009, 58, 1909-1917.	4.2	79
39	In VitroExposure of Human Lymphocytes to 900 MHz CW and GSM Modulated Radiofrequency: Studies of Proliferation, Apoptosis and Mitochondrial Membrane Potential. Radiation Research, 2004, 162, 211-218.	1.5	76
40	Circulating levels of adipokines and IGF-1 are associated with skeletal muscle strength of young and old healthy subjects. Biogerontology, 2013, 14, 261-272.	3.9	75
41	Decreased susceptibility to oxidative stress-induced apoptosis of peripheral blood mononuclear cells from healthy elderly and centenarians. Mechanisms of Ageing and Development, 2001, 121, 239-250.	4.6	74
42	Genomic Instability and Aging.. Annals of the New York Academy of Sciences, 1992, 663, 4-16.	3.8	71
43	Sex disparity in cancer: roles of microRNAs and related functional players. Cell Death and Differentiation, 2018, 25, 477-485.	11.2	71
44	Immunosenescence in Humans: Deterioration or Remodelling?. International Reviews of Immunology, 1995, 12, 57-74.	3.3	70
45	Mitochondria hyperfusion and elevated autophagic activity are key mechanisms for cellular bioenergetic preservation in centenarians. Aging, 2014, 6, 296-310.	3.1	70
46	GDF15 Plasma Level Is Inversely Associated With Level of Physical Activity and Correlates With Markers of Inflammation and Muscle Weakness. Frontiers in Immunology, 2020, 11, 915.	4.8	70
47	Mitochondrial heterogeneity during staurosporine-induced apoptosis in HL60 cells: Analysis at the single cell and single organelle level. Cytometry, 2000, 40, 189-197.	1.8	68
48	Complexity of Anti-immunosenescence Strategies in Humans. Artificial Organs, 2006, 30, 730-742.	1.9	68
49	The frequency of Klotho KL-VS polymorphism in a large Italian population, from young subjects to centenarians, suggests the presence of specific time windows for its effect. Biogerontology, 2010, 11, 67-73.	3.9	68
50	Charting the NF-ÎºB Pathway Interactome Map. PLoS ONE, 2012, 7, e32678.	2.5	68
51	Carboxyfullerenes Protect Human Keratinocytes from Ultraviolet-B-Induced Apoptosis. Journal of Investigative Dermatology, 2000, 115, 835-841.	0.7	67
52	What studies on human longevity tell us about the risk for cancer in the oldest old: data and hypotheses on the genetics and immunology of centenarians. Experimental Gerontology, 2002, 37, 1263-1271.	2.8	67
53	Systemic Age-Associated DNA Hypermethylation of ELOVL2 Gene: In Vivo and In Vitro Evidences of a Cell Replication Process. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2017, 72, 1015-1023.	3.6	66
54	Flow Cytometric Analysis of Mitochondrial Membrane Potential Using JCâ€1. Current Protocols in Cytometry, 2000, 13, Unit 9.14.	3.7	64

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55	Mitochondrial DNA involvement in human longevity. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 1388-1399.	1.0	64
56	Inflammaging, hormesis and the rationale for anti-aging strategies. Ageing Research Reviews, 2020, 64, 101142.	10.9	64
57	Mitochondria, immunosenescence and inflammaging: a role for mitokines?. Seminars in Immunopathology, 2020, 42, 607-617.	6.1	64
58	Centenarian lamins: rapamycin targets in longevity. Journal of Cell Science, 2013, 127, 147-57.	2.0	63
59	Increased Plin2 Expression in Human Skeletal Muscle Is Associated with Sarcopenia and Muscle Weakness. PLoS ONE, 2013, 8, e73709.	2.5	60
60	Autogeneic but Not Allogeneic Earthworm Effector Coelomocytes Kill the Mammalian Tumor Cell Target K562. Cellular Immunology, 1995, 166, 113-122.	3.0	58
61	Age-Related Changes of Adaptive and Neuropsychological Features in Persons with Down Syndrome. PLoS ONE, 2014, 9, e113111.	2.5	58
62	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. Aging, 2013, 5, 373-385.	3.1	57
63	Human longevity within an evolutionary perspective: The peculiar paradigm of a post-reproductive genetics. Experimental Gerontology, 2008, 43, 53-60.	2.8	55
64	Gut Microbiome in Down Syndrome. PLoS ONE, 2014, 9, e112023.	2.5	51
65	Plasma N-Glycome Signature of Down Syndrome. Journal of Proteome Research, 2015, 14, 4232-4245.	3.7	51
66	p53 Codon 72 Alleles Influence the Response to Anticancer Drugs in Cells from Aged People by Regulating the Cell Cycle Inhibitor p21WAF1. Cell Cycle, 2005, 4, 1264-1271.	2.6	50
67	Mitochondria and mitochondria-induced signalling molecules as longevity determinants. Mechanisms of Ageing and Development, 2017, 165, 115-128.	4.6	50
68	Gene expression of cytokines and cytokine receptors is modulated by the common variability of the mitochondrial DNA in cybrid cell lines. Genes To Cells, 2006, 11, 883-891.	1.2	47
69	Hormone replacement therapy enhances IGF-1 signaling in skeletal muscle by diminishing miR-182 and miR-223 expressions: a study on postmenopausal monozygotic twin pairs. Aging Cell, 2014, 13, 850-861.	6.7	47
70	Accelerated bioâ€cognitive aging in Down syndrome: State of the art and possible deceleration strategies. Aging Cell, 2019, 18, e12903.	6.7	47
71	A meta-analysis on age-associated changes in blood DNA methylation: results from an original analysis pipeline for Infinium 450k data. Aging, 2015, 7, 97-109.	3.1	46
72	The emerging role of ECM crosslinking in T cell mobility as a hallmark of immunosenescence in humans. Ageing Research Reviews, 2017, 35, 322-335.	10.9	45

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73	The impact of mitochondrial DNA on human lifespan: A view from studies on centenarians. Biotechnology Journal, 2008, 3, 740-749.	3.5	43
74	GDF15, an emerging key player in human aging. Ageing Research Reviews, 2022, 75, 101569.	10.9	43
75	Resistance to apoptosis of HCW-2 cells can be overcome by curcumin- or vincristine-induced mitotic catastrophe. International Journal of Cancer, 2006, 119, 1811-1818.	5.1	42
76	Opposite role of changes in mitochondrial membrane potential in different apoptotic processes. FEBS Letters, 2000, 469, 186-190.	2.8	41
77	Lamin A involvement in ageing processes. Ageing Research Reviews, 2020, 62, 101073.	10.9	41
78	Herpes Simplex Virus Glycoproteins H/L Bind to Cells Independently of Î±VÎ²3 Integrin and Inhibit Virus Entry, and Their Constitutive Expression Restricts Infection. Journal of Virology, 2010, 84, 4013-4025.	3.4	39
79	mtDNA mutations in human aging and longevity: Controversies and new perspectives opened by high-throughput technologies. Experimental Gerontology, 2014, 56, 234-244.	2.8	39
80	p53 codon 72 genotype affects apoptosis by cytosine arabinoside in blood leukocytes. Biochemical and Biophysical Research Communications, 2002, 299, 539-541.	2.1	38
81	Genomic stability, anti-inflammatory phenotype, and up-regulation of the RNAseH2 in cells from centenarians. Cell Death and Differentiation, 2019, 26, 1845-1858.	11.2	37
82	Disease-specific plasma levels of mitokines FGF21, GDF15, and Humanin in type II diabetes and Alzheimerâ€™s disease in comparison with healthy aging. GeroScience, 2021, 43, 985-1001.	4.6	36
83	Identification of single nucleotide polymorphisms in the p21 (CDKN1A) gene and correlations with longevity in the Italian population. Aging, 2009, 1, 470-480.	3.1	34
84	A structural model of 20S immunoproteasomes: effect of LMP2 codon 60 polymorphism on expression, activity, intracellular localisation and insight into the regulatory mechanisms. Biological Chemistry, 2006, 387, 417-429.	2.5	32
85	The Dual Role of the Pervasive â€œFattishâ€•Tissue Remodeling With Age. Frontiers in Endocrinology, 2019, 10, 114.	3.5	32
86	Changes in intramitochondrial cardiolipin distribution in apoptosis-resistant HCW-2 cells, derived from the human promyelocytic leukemia HL-60. FEBS Letters, 2000, 478, 290-294.	2.8	31
87	Senescence, Immortalization, and Apoptosis.. Annals of the New York Academy of Sciences, 1992, 673, 70-82.	3.8	30
88	In vitro IL-6 production by EBV-immortalized B lymphocytes from young and elderly people genotyped for â^'174 C/G polymorphism in IL-6 gene: a model to study the genetic basis of inflamm-aging. Mechanisms of Ageing and Development, 2003, 124, 549-553.	4.6	29
89	Cell Proliferation and Cell Death in Immunosenescence. Annals of the New York Academy of Sciences, 1992, 663, 250-261.	3.8	28
90	The p53 codon 72 (Arg72Pro) polymorphism is associated with the degree of insulin resistance in type 2 diabetic subjects: a cross-sectional study. Acta Diabetologica, 2013, 50, 429-436.	2.5	28

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91	Immunoproteasome in Cancer and Neuropathologies: A New Therapeutic Target?. Current Pharmaceutical Design, 2013, 19, 702-718.	1.9	27
92	The use of non-radioactive chromium as an alternative to 51Cr in NK assay. Journal of Immunological Methods, 1995, 186, 101-110.	1.4	26
93	The Three Genetics (Nuclear DNA, Mitochondrial DNA, and Gut Microbiome) of Longevity in Humans Considered as Metaorganisms. BioMed Research International, 2014, 2014, 1-14.	1.9	25
94	Recovery from 6â€month spaceflight at the International Space Station: muscleâ€related stress into a proinflammatory setting. FASEB Journal, 2019, 33, 5168-5180.	0.5	25
95	The Contextualized Genetics of HumanÂLongevity. Journal of the American College of Cardiology, 2020, 75, 968-979.	2.8	25
96	Complex patterns of gene expression in human T cells during in vivo aging. Molecular BioSystems, 2010, 6, 1983.	2.9	24
97	Lifelong calorie restriction affects indicators of colonic health in aging C57Bl/6J mice. Journal of Nutritional Biochemistry, 2018, 56, 152-164.	4.2	24
98	Differential expression of perilipin 2 and 5 in human skeletal muscle during aging and their association with atrophy-related genes. Biogerontology, 2015, 16, 329-340.	3.9	23
99	TP53 codon 72 polymorphism affects accumulation of mtDNA damage in human cells. Aging, 2012, 4, 28-39.	3.1	23
100	Age-dependent changes in the susceptibility to apoptosis of peripheral blood CD4+ and CD8+ T lymphocytes with virgin or memory phenotype. Mechanisms of Ageing and Development, 2003, 124, 409-418.	4.6	22
101	The nucleolar size is associated to the methylation status of ribosomal DNA in breast carcinomas. BMC Cancer, 2014, 14, 361.	2.6	22
102	A Cross-Sectional Analysis of Body Composition Among Healthy Elderly From the European NU-AGE Study: Sex and Country Specific Features. Frontiers in Physiology, 2018, 9, 1693.	2.8	22
103	Genes of Human Longevity: An Endless Quest?. Current Vascular Pharmacology, 2013, 12, 707-717.	1.7	22
104	Lifelong maintenance of composition, function and cellular/subcellular distribution of proteasomes in human liver. Mechanisms of Ageing and Development, 2014, 141-142, 26-34.	4.6	21
105	Muscleâ€specific Perilipin2 downâ€regulation affects lipid metabolism and induces myofiber hypertrophy. Journal of Cachexia, Sarcopenia and Muscle, 2019, 10, 95-110.	7.3	20
106	X-chromosome-linked miR548am-5p is a key regulator of sex disparity in the susceptibility to mitochondria-mediated apoptosis. Cell Death and Disease, 2019, 10, 673.	6.3	19
107	Ribosomal DNA instability: An evolutionary conserved fuel for inflammaging. Ageing Research Reviews, 2020, 58, 101018.	10.9	18
108	Immunoproteasome in cancer and neuropathologies: a new therapeutic target?. Current Pharmaceutical Design, 2013, 19, 702-18.	1.9	18

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109	The adapter protein CD2AP binds to p53 protein in the cytoplasm and can discriminate its polymorphic variants P72R. Journal of Biochemistry, 2015, 157, 101-111.	1.7	17
110	Expression pattern of perilipins in human brain during aging and in Alzheimer's disease. Neuropathology and Applied Neurobiology, 2022, 48, .	3.2	17
111	Quantification of mitochondrial reactive oxygen species in living cells by using multiâ€laser polychromatic flow cytometry. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2016, 89, 1106-1110.	1.5	15
112	p66Shc gene has a pro-apoptotic role in human cell lines and it is activated by a p53-independent pathway. Biochemical and Biophysical Research Communications, 2006, 342, 503-508.	2.1	14
113	The Onset of Type 2 Diabetes: Proposal for a Multi-Scale Model. JMIR Research Protocols, 2013, 2, e44.	1.0	13
114	Circulating miRâ€19aâ€3p and miRâ€19bâ€3p characterize the human aging process and their isomiRs associate with healthy status at extreme ages. Aging Cell, 2021, 20, e13409.	6.7	12
115	Different Types of Cell Death in Organismal Aging and Longevity: State of the Art and Possible Systems Biology Approach. Current Pharmaceutical Design, 2008, 14, 226-236.	1.9	11
116	The Pro/Pro genotype of the p53 codon 72 polymorphism modulates PAI-1 plasma levels in ageing. Mechanisms of Ageing and Development, 2009, 130, 497-500.	4.6	11
117	Down Syndrome, Ageing and Epigenetics. Sub-Cellular Biochemistry, 2019, 91, 161-193.	2.4	10
118	Both objective and paradoxical insomnia elicit a stress response involving mitokine production. Aging, 2020, 12, 10497-10505.	3.1	9
119	Age-Dependent Effects of in Vitro Radiofrequency Exposure (Mobile Phone) on CD95+ T Helper Human Lymphocytes. Annals of the New York Academy of Sciences, 2006, 1067, 493-499.	3.8	8
120	Molecular remodeling of potassium channels in fibroblasts from centenarians: A marker of longevity?. Mechanisms of Ageing and Development, 2010, 131, 674-681.	4.6	8
121	Plasticity of lifelong calorieâ€restricted C57<scp>BL</scp>/6J mice in adapting to a mediumâ€fat diet intervention at old age. Aging Cell, 2018, 17, e12696.	6.7	8
122	The smell of longevity: a combination of Volatile Organic Compounds (VOCs) can discriminate centenarians and their offspring from age-matched subjects and young controls. GeroScience, 2020, 42, 201-216.	4.6	8
123	DNA Methylation Analysis of Ribosomal DNA in Adults With Down Syndrome. Frontiers in Genetics, 2022, 13, 792165.	2.3	7
124	Survival features of EBV-stabilized cells from centenarians: morpho-functional and transcriptomic analyses. Age, 2012, 34, 1341-1359.	3.0	6
125	Circulating perilipin 2 levels are associated with fat mass, inflammatory and metabolic markers and are higher in women than men. Aging, 2021, 13, 7931-7942.	3.1	6
126	Identification of a T cell gene expression clock obtained by exploiting a MZ twin design. Scientific Reports, 2017, 7, 6005.	3.3	5

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127	Supplementation of Enriched Polyunsaturated Fatty Acids and CLA Cheese on High Fat Diet: Effects on Lipid Metabolism and Fat Profile. Foods, 2022, 11, 398.	4.3	5
128	Twelve-Week Daily Consumption of ad hoc Fortified Milk with Ï‰-3, D, and Group B Vitamins Has a Positive Impact on Inflammaging Parameters: A Randomized Cross-Over Trial. Nutrients, 2020, 12, 3580.	4.1	4
129	Immunosenescence. , 1996, , 131-149.		4
130	Inflammaging. , 2018, , 1-31.		4
131	Structural characterization of p53 isoforms due to the polymorphism at codon 72 by mass spectrometry and circular dichroism. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 200-206.	2.8	3
132	A Novel Approach to Improve the Estimation of a Diet Adherence Considering Seasonality and Short Term Variability â€“ The NU-AGE Mediterranean Diet Experience. Frontiers in Physiology, 2019, 10, 149.	2.8	3
133	Inflammaging. , 2019, , 1599-1629.		3
134	VOCs profile can discriminate biological age. Aging, 2021, 13, 9156-9157.	3.1	2
135	The New Antigenic Ecospace of the Globalized World and its Impact on the Immune System: The Battleground of Trade-off and Antagonistic Pleiotropy. , 2014, , 125-144.		2
136	Aging and Longevity in Animal Models and Humans. , 2009, , 175-191.		1
137	Immunity, Inflammation and infections during aging. , 2006, , 15-29.		0
138	Call for articles on neglected topics. Ageing Research Reviews, 2019, 54, 100934.	10.9	0
139	Inflammaging Targets. , 2019, , 271-271.		0
140	Mitochondria, Aging, and Disease. Oxidative Stress and Disease, 2003, , .	0.3	0