Alessandro Cellerino

List of Publications by Year
in descending order

115 papers	7,098 citations	50170 46 h-index	64668 79 g-index
139 all docs	139 docs citations	139 times ranked	6149 citing authors

#	Article	IF	Citations
1	The sources of sex differences in aging in annual fishes. Journal of Animal Ecology, 2022, 91, 540-550.	1.3	4
2	New lessons on TDPâ€43 from old <i>N.Âfurzeri</i> killifish. Aging Cell, 2022, 21, e13517.	3.0	7
3	Alternative Animal Models of Aging Research. Frontiers in Molecular Biosciences, 2021, 8, 660959.	1.6	56
4	MiRâ€29 coordinates ageâ€dependent plasticity brakes in the adult visual cortex. EMBO Reports, 2021, 22, .	2.0	1
5	Membrane lipids and maximum lifespan in clownfish. Fish Physiology and Biochemistry, 2021, , 1.	0.9	0
6	Reduced proteasome activity in the aging brain results in ribosome stoichiometry loss and aggregation. Molecular Systems Biology, 2020, 16, e9596.	3.2	131
7	Nothobranchius annual killifishes. EvoDevo, 2020, 11, 25.	1.3	21
8	MiRâ€29 coordinates ageâ€dependent plasticity brakes in the adult visual cortex. EMBO Reports, 2020, 21, e50431.	2.0	15
9	Aging Triggers H3K27 Trimethylation Hoarding in the Chromatin of Nothobranchius furzeri Skeletal Muscle. Cells, 2019, 8, 1169.	1.8	15
10	Identification and Expression of Neurotrophin-6 in the Brain of Nothobranchius furzeri: One More Piece in Neurotrophin Research. Journal of Clinical Medicine, 2019, 8, 595.	1.0	12
11	Analysis of the coding sequences of clownfish reveals molecular convergence in the evolution of lifespan. BMC Evolutionary Biology, 2019, 19, 89.	3.2	13
12	Ageâ€related central regulation of orexin and NPY in the shortâ€lived African killifish <scp><i>Nothobranchius furzeri</i></scp>. Journal of Comparative Neurology, 2019, 527, 1508-1526.	0.9	14
13	Cell cycle dynamics during diapause entry and exit in an annual killifish revealed by FUCCI technology. EvoDevo, 2019, 10, 29.	1.3	52
14	Transcriptomic alterations during ageing reflect the shift from cancer to degenerative diseases in the elderly. Nature Communications, 2018, 9, 327.	5.8	94
15	Effects of Parental Aging During Embryo Development and Adult Life: The Case of<i>Nothobranchius furzeri</i>. Zebrafish, 2018, 15, 112-123.	0.5	9
16	Limited scope for reproductive senescence in wild populations of a short-lived fish. Die Naturwissenschaften, 2018, 105, 68.	0.6	17
17	The microRNA miR-21 Is a Mediator of FGF8 Action on Cortical COUP-TFI Translation. Stem Cell Reports, 2018, 11, 756-769.	2.3	11
18	Breeders Age Affects Reproductive Success in <i>Nothobranchius furzeri</i>. Zebrafish, 2018, 15, 546-557.	0.5	13

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19	The age-regulated zinc finger factor ZNF367 is a new modulator of neuroblast proliferation during embryonic neurogenesis. Scientific Reports, 2018, 8, 11836.	1.6	15
20	Transcriptome Analysis. , 2018, , .		1
21	Long-lived rodents reveal signatures of positive selection in genes associated with lifespan. PLoS Genetics, 2018, 14, e1007272.	1.5	39
22	Unbiased clustering methods. , 2018, , 59-83.		0
23	Microscale transcriptome analysis. , 2018, , 141-168.		0
24	A primer on data distributions and their visualisation. , 2018, , 1-10.		0
25	MicroRNA miR-29 controls a compensatory response to limit neuronal iron accumulation during adult life and aging. BMC Biology, 2017, 15, 9.	1.7	75
26	What have we learned on aging from omics studies?. Seminars in Cell and Developmental Biology, 2017, 70, 177-189.	2.3	54
27	Parallel evolution of genes controlling mitonuclear balance in short-lived annual fishes. Aging Cell, 2017, 16, 488-496.	3.0	29
28	Biology of aging: New models, new methods. Seminars in Cell and Developmental Biology, 2017, 70, 98.	2.3	2
29	The companion dog as a unique translational model for aging. Seminars in Cell and Developmental Biology, 2017, 70, 141-153.	2.3	42
30	Age-dependent increase of oxidative stress regulates microRNA-29 family preserving cardiac health. Scientific Reports, 2017, 7, 16839.	1.6	57
31	Repeated intraspecific divergence in life span and aging of African annual fishes along an aridity gradient. Evolution; International Journal of Organic Evolution, 2017, 71, 386-402.	1.1	60
32	A miRNA catalogue and ncRNA annotation of the short-living fish Nothobranchius furzeri. BMC Genomics, 2017, 18, 693.	1.2	18
33	(Anti-)parallel evolution of lifespan. Aging, 2017, 9, 2018-2019.	1.4	2
34	Conserved Senescence Associated Genes and Pathways in Primary Human Fibroblasts Detected by RNA-Seq. PLoS ONE, 2016, 11, e0154531.	1.1	72
35	Neurotrophin-4 in the brain of adult Nothobranchius furzeri. Annals of Anatomy, 2016, 207, 47-54.	1.0	10
36	Outgroups and Positive Selection: The Nothobranchius furzeri Case. Trends in Genetics, 2016, 32, 523-525.	2.9	12

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37	Longitudinal RNA-Seq Analysis of Vertebrate Aging Identifies Mitochondrial Complex I as a Small-Molecule-Sensitive Modifier of Lifespan. Cell Systems, 2016, 2, 122-132.	2.9	155
38	From the bush to the bench: the annual <i>Nothobranchius</i> fishes as a new model system in biology. Biological Reviews, 2016, 91, 511-533.	4.7	215
39	Olfactory phenotypic expression unveils human aging. Oncotarget, 2016, 7, 19193-19200.	0.8	16
40	MicroRNA 19a replacement partially rescues fin and cardiac defects in zebrafish model of Holt Oram syndrome. Scientific Reports, 2015, 5, 18240.	1.6	21
41	Editorial for Ã¢â‚¬Å“Regulatory RNAs in the nervous systemÃ¢â‚¬Â• Frontiers in Cellular Neuroscience, 2015, 9, 38.	1.8	1
42	Similarities in Gene Expression Profiles during<i>In Vitro</i>Aging of Primary Human Embryonic Lung and Foreskin Fibroblasts. BioMed Research International, 2015, 2015, 1-17.	0.9	36
43	Insights into Sex Chromosome Evolution and Aging from the Genome of a Short-Lived Fish. Cell, 2015, 163, 1527-1538.	13.5	251
44	Pregnant Women's Preferences for Men's Faces Differ Significantly from Nonpregnant Women. Journal of Sexual Medicine, 2015, 12, 1142-1151.	0.3	13
45	Modelling the p53/p66Shc Aging Pathway in the Shortest Living Vertebrate Nothobranchius Furzeri. , 2015, 6, 95.		14
46	Turquoise killifish. Current Biology, 2015, 25, R741-R742.	1.8	12
47	Comparison of captive lifespan, age-associated liver neoplasias and age-dependent gene expression between two annual fish species: Nothobranchius furzeri and Nothobranchius korthause. Biogerontology, 2015, 16, 63-69.	2.0	24
48	Transcriptome profiling of natural dichromatism in the annual fishes Nothobranchius furzeri and Nothobranchius kadleci. BMC Genomics, 2014, 15, 754.	1.2	24
49	Transition to annual life history coincides with reduction in cell cycle speed during early cleavage in three independent clades of annual killifish. EvoDevo, 2014, 5, 32.	1.3	21
50	Gender Identity Rather Than Sexual Orientation Impacts on Facial Preferences. Journal of Sexual Medicine, 2014, 11, 2500-2507.	0.3	18
51	The strange case of East African annual fishes: aridification correlates with diversification for a savannah aquatic group?. BMC Evolutionary Biology, 2014, 14, 210.	3.2	50
52	Brainâ€derived neurotrophic factor: mRNA expression and protein distribution in the brain of the teleost <i>Nothobranchius furzeri</i>. Journal of Comparative Neurology, 2014, 522, 1004-1030.	0.9	37
53	Nerve growth factor in the adult brain of a teleostean model for aging research: Nothobranchius furzeri. Annals of Anatomy, 2014, 196, 183-191.	1.0	10
54	Brain derived neurotrophic factor in the retina of the teleost N. furzeri. Annals of Anatomy, 2014, 196, 192-196.	1.0	14

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55	<scp>RNA</scp>â€seq of the aging brain in the shortâ€lived fish <i>N.Âfurzeri</i> â€“ conserved pathways and novel genes associated with neurogenesis. Aging Cell, 2014, 13, 965-974.	3.0	141
56	Regulation of microRNA expression in the neuronal stem cell niches during aging of the short-lived annual fish Nothobranchius furzeri. Frontiers in Cellular Neuroscience, 2014, 8, 51.	1.8	14
57	The age related markers lipofuscin and apoptosis show different genetic architecture by QTL mapping in short-lived Nothobranchius fish. Aging, 2014, 6, 468-480.	1.4	13
58	The positional identity of mouse ES cell-generated neurons is affected by BMP signaling. Cellular and Molecular Life Sciences, 2013, 70, 1095-1111.	2.4	29
59	Parallel evolution of senescence in annual fishes in response to extrinsic mortality. BMC Evolutionary Biology, 2013, 13, 77.	3.2	86
60	Strong population genetic structuring in an annual fish, Nothobranchius furzeri, suggests multiple savannah refugia in southern Mozambique. BMC Evolutionary Biology, 2013, 13, 196.	3.2	62
61	Genetic and morphological studies of <i>Nothobranchius</i> (Cyprinodontiformes) from Malawi with description of <i>Nothobranchius wattersi</i> sp. nov.. Journal of Fish Biology, 2013, 82, 165-188.	0.7	4
62	Mapping of quantitative trait loci controlling lifespan in the shortâ€lived fish <i>Nothobranchius furzeri</i>â€“ a new vertebrate model for age research. Aging Cell, 2012, 11, 252-261.	3.0	72
63	Adult neurogenesis in the shortâ€lived teleost <i>Nothobranchius furzeri</i>: localization of neurogenic niches, molecular characterization and effects of aging. Aging Cell, 2012, 11, 241-251.	3.0	109
64	Age-dependent regulation of tumor-related microRNAs in the brain of the annual fish Nothobranchius furzeri. Mechanisms of Ageing and Development, 2012, 133, 226-233.	2.2	45
65	Neurotrophin Trk receptors in the brain of a teleost fish, <i>Nothobranchius furzeri</i>. Microscopy Research and Technique, 2012, 75, 81-88.	1.2	21
66	Immunolocalization of S100â€like protein in the brain of an emerging model organism: <i>Nothobranchius furzeri</i>. Microscopy Research and Technique, 2012, 75, 441-447.	1.2	11
67	Phylogeny, genetic variability and colour polymorphism of an emerging animal model: The short-lived annual Nothobranchius fishes from southern Mozambique. Molecular Phylogenetics and Evolution, 2011, 61, 739-749.	1.2	52
68	Mitochondrial DNA copy number and function decrease with age in the shortâ€lived fish <i>Nothobranchius furzeri</i>. Aging Cell, 2011, 10, 824-831.	3.0	114
69	The short-lived annual fish Nothobranchius furzeri shows a typical teleost aging process reinforced by high incidence of age-dependent neoplasias. Experimental Gerontology, 2011, 46, 249-256.	1.2	123
70	Potential negative impacts and low effectiveness in the use of African annual killifish in the biocontrol of aquatic mosquito larvae in temporary water bodies. Parasites and Vectors, 2010, 3, 89.	1.0	6
71	Gender Separation Increases Somatic Growth in Females but Does Not Affect Lifespan in Nothobranchius furzeri. PLoS ONE, 2010, 5, e11958.	1.1	29
72	Exogenous Brain-Derived Neurotrophic Factor (BDNF) Reverts Phenotypic Changes in the Retinas of Transgenic Mice Lacking thebdnfGene. , 2009, 50, 1416.		18

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73	Mapping Loci Associated With Tail Color and Sex Determination in the Short-Lived Fish <i>Nothobranchius furzeri</i>. Genetics, 2009, 183, 1385-1395.	1.2	67
74	Telomeres shorten while Tert expression increases during ageing of the short-lived fish Nothobranchius furzeri. Mechanisms of Ageing and Development, 2009, 130, 290-296.	2.2	115
75	Effects of dietary restriction on mortality and ageâ€related phenotypes in the shortâ€lived fish <i>Nothobranchius furzeri</i>. Aging Cell, 2009, 8, 88-99.	3.0	111
76	Age-dependent remodelling of retinal circuitry. Neurobiology of Aging, 2009, 30, 819-828.	1.5	58
77	High tandem repeat content in the genome of the short-lived annual fish Nothobranchius furzeri: a new vertebrate model for aging research. Genome Biology, 2009, 10, R16.	13.9	87
78	Life Extension in the Short-Lived Fish Nothobranchius furzeri. , 2009, , 157-171.		1
79	Large Differences in Aging Phenotype between Strains of the Short-Lived Annual Fish Nothobranchius furzeri. PLoS ONE, 2008, 3, e3866.	1.1	162
80	Neurophysiological correlates for the perception of facial sexual dimorphism. Brain Research Bulletin, 2007, 71, 515-522.	1.4	9
81	The short-lived fish Nothobranchius furzeri as a new model system for aging studies. Experimental Gerontology, 2007, 42, 81-89.	1.2	134
82	Specific alterations of tyrosine hydroxylase immunopositive cells in the retina of NT-4 knock out mice. Vision Research, 2007, 47, 1523-1536.	0.7	4
83	Temperature affects longevity and age-related locomotor and cognitive decay in the short-lived fish Nothobranchius furzeri. Aging Cell, 2006, 5, 275-278.	3.0	167
84	Shape analysis of female facial attractiveness. Vision Research, 2006, 46, 1282-1291.	0.7	95
85	Resveratrol Prolongs Lifespan and Retards the Onset of Age-Related Markers in a Short-Lived Vertebrate. Current Biology, 2006, 16, 296-300.	1.8	722
86	Resveratrol and the Pharmacology of Aging: A New Vertebrate Model to Validate an Old Molecule. Cell Cycle, 2006, 5, 1027-1032.	1.3	79
87	Annual fishes of the genus Nothobranchius as a model system for aging research. Aging Cell, 2005, 4, 223-233.	3.0	217
88	Amelioration of both Functional and Morphological Abnormalities in the Retina of a Mouse Model of Ocular Albinism Following AAV-Mediated Gene Transfer. Molecular Therapy, 2005, 12, 652-658.	3.7	36
89	ON THE POSSIBLE USE OF ANNUAL KILLIFISHES AS MODELS FOR AGING RESEARCH: A COMMENT ON HERRERA AND JAGADEESWARAN. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2005, 60, 679-679.	1.7	3
90	Male reproductive physiology as a sexually selected handicap? Erectile dysfunction is correlated with general health and health prognosis and may have evolved as a marker of poor phenotypic quality. Medical Hypotheses, 2005, 65, 179-184.	0.8	70

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91	Cloning of an olfactory sensory neuronâ€“specific protein in the land snail (Eobania vermiculata). Proceedings of the Royal Society B: Biological Sciences, 2004, 271, S46-9.	1.2	4
92	Systemic but not intraocular Epo Gene Transfer Protects the Retina from Light-and Genetic-Induced Degeneration. Molecular Therapy, 2004, 10, 855-861.	3.7	98
93	Sex differences in face gender recognition in humans. Brain Research Bulletin, 2004, 63, 443-449.	1.4	117
94	Molecular determinants of retinal ganglion cell development, survival, and regeneration. Progress in Retinal and Eye Research, 2003, 22, 483-543.	7.3	169
95	Brain-derived neurotrophic factor regulates expression of vasoactive intestinal polypeptide in retinal amacrine cells. Journal of Comparative Neurology, 2003, 467, 97-104.	0.9	22
96	Extremely short lifespan in the annual fish Nothobranchius furzeri. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, S189-91.	1.2	137
97	Facial attractiveness and species recognition: an elementary deduction?. Ethology Ecology and Evolution, 2002, 14, 227-237.	0.6	2
98	Retinal ganglion cells with NADPH-diaphorase activity in the chick form a regular mosaic with a strong dorsoventral asymmetry that can be modelled by a minimal spacing rule. European Journal of Neuroscience, 2000, 12, 613-620.	1.2	21
99	The Dynamics of Neuronal Death: A Time-Lapse Study in the Retina. Journal of Neuroscience, 2000, 20, RC92-RC92.	1.7	37
100	Apoptosis in the developing visual system. Cell and Tissue Research, 2000, 301, 53-69.	1.5	90
101	Effects of brain-derived neurotrophic factor on the development of NADPH-diaphorase/nitric oxide synthase-positive amacrine cells in the rodent retina. European Journal of Neuroscience, 1999, 11, 2824-2834.	1.2	26
102	Excess Target-Derived Brain-Derived Neurotrophic Factor Preserves the Transient Uncrossed Retinal Projection to the Superior Colliculus. Molecular and Cellular Neurosciences, 1999, 14, 52-65.	1.0	39
103	Retinal ganglion cell loss after the period of naturally occurring cell death in bcl-2â^'/â^' mice. NeuroReport, 1999, 10, 1091-1095.	0.6	22
104	Brain-Derived Neurotrophic Factor Modulates the Development of the Dopaminergic Network in the Rodent Retina. Journal of Neuroscience, 1998, 18, 3351-3362.	1.7	89
105	Free Radical Scavenging and Inhibition of Nitric Oxide Synthase Potentiates the Neurotrophic Effects of Brain-Derived Neurotrophic Factor on Axotomized Retinal Ganglion CellsIn Vivo. Journal of Neuroscience, 1998, 18, 1038-1046.	1.7	240
106	Reduced Size of Retinal Ganglion Cell Axons and Hypomyelination in Mice Lacking Brain-Derived Neurotrophic Factor. Molecular and Cellular Neurosciences, 1997, 9, 397-408.	1.0	184
107	Brain-derived neurotrophic factor/neurotrophin-4 receptor TrkB is localized on ganglion cells and dopaminergic amacrine cells in the vertebrate retina. Journal of Comparative Neurology, 1997, 386, 149-160.	0.9	133
108	Expression of messenger RNA coding for the nerve growth factor receptor trkA in the hippocampus of the adult rat. Neuroscience, 1996, 70, 613-616.	1.1	49

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109	The action of neurotrophins in the development and plasticity of the visual cortex. Progress in Neurobiology, 1996, 49, 53-71.	2.8	120
110	The Distribution of Brain-derived Neurotrophic Factor and its Receptor trkB in Parvlbumin-containing Neurons of the Rat Visual Cortex. European Journal of Neuroscience, 1996, 8, 1190-1197.	1.2	100
111	Brain-derived neurotrophic factor promotes the differentiation of various hippocampal nonpyramidal neurons, including Cajal-Retzius cells, in organotypic slice cultures. Journal of Neuroscience, 1996, 16, 675-687.	1.7	148
112	Brain-Derived Neurotrophic Factor and the Developing Chick Retina. , 1995, , 133-141.		4
113	Monoclonal antibodies to nerve growth factor affect the postnatal development of the visual system.. Proceedings of the National Academy of Sciences of the United States of America, 1994, 91, 684-688.	3.3	90
114	Antibodies to nerve growth factor (NGF) prolong the sensitive period for monocular deprivation in the rat. NeuroReport, 1994, 5, 2041-2044.	0.6	65
115	Parvalbumin immunoreactivity: A reliable marker for the effects of monocular deprivation in the rat visual cortex. Neuroscience, 1992, 51, 749-753.	1.1	67