Nicola Neretti

List of Publications by Year
in descending order

59 papers	4,810 citations	159358 30 h-index	149479 56 g-index
65 all docs	65 docs citations	65 times ranked	7039 citing authors

#	Article	IF	Citations
1	The functional impact of nuclear reorganization in cellular senescence. Briefings in Functional Genomics, 2022, 21, 24-34.	1.3	21
2	Single-cell analysis of the aging female mouse hypothalamus. Nature Aging, 2022, 2, 662-678.	5.3	35
3	Wholeâ€body senescent cell clearance alleviates ageâ€related brain inflammation and cognitive impairment in mice. Aging Cell, 2021, 20, e13296.	3.0	186
4	Neutrophils induce paracrine telomere dysfunction and senescence in ROSâ€dependent manner. EMBO Journal, 2021, 40, e106048.	3.5	101
5	Toward a Three-Dimensional Chromosome Shape Alphabet. Journal of Computational Biology, 2021, 28, 601-618.	0.8	4
6	FOXO3 regulates a common genomic program in aging and glioblastoma stem cells. Aging and Cancer, 2021, 2, 137-159.	0.5	3
7	Inflammaging in Endemic Areas for Infectious Diseases. Frontiers in Immunology, 2020, 11, 579972.	2.2	16
8	The three-dimensional organization of the genome in cellular senescence and age-associated diseases. Seminars in Cell and Developmental Biology, 2019, 90, 154-160.	2.3	20
9	Bayesian Estimation of Three-Dimensional Chromosomal Structure from Single-Cell Hi-C Data. Journal of Computational Biology, 2019, 26, 1191-1202.	0.8	34
10	Single cell RNAâ€seq in the sea urchin embryo show marked cellâ€type specificity in the Delta/Notch pathway. Molecular Reproduction and Development, 2019, 86, 931-934.	1.0	14
11	Notch Signaling Mediates Secondary Senescence. Cell Reports, 2019, 27, 997-1007.e5.	2.9	82
12	LINE1 Derepression in Aged Wild-Type and SIRT6-Deficient Mice Drives Inflammation. Cell Metabolism, 2019, 29, 871-885.e5.	7.2	299
13	L1 drives IFN in senescent cells and promotes age-associated inflammation. Nature, 2019, 566, 73-78.	13.7	701
14	Cellâ€free DNA as a biomarker of aging. Aging Cell, 2019, 18, e12890.	3.0	80
15	Regulation of Cellular Senescence by Polycomb Chromatin Modifiers through Distinct DNA Damage- and Histone Methylation-Dependent Pathways. Cell Reports, 2018, 22, 3480-3492.	2.9	161
16	Stability of histone post-translational modifications in samples derived from liver tissue and primary hepatic cells. PLoS ONE, 2018, 13, e0203351.	1.1	4
17	Contribution of Retrotransposable Elements to Aging. , 2017, , 297-321.		3
18	GINOM: A statistical framework for assessing interval overlap of multiple genomic features. PLoS Computational Biology, 2017, 13, e1005586.	1.5	4

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19	Mapping H4K20me3 onto the chromatin landscape of senescent cells indicates a function in control of cell senescence and tumor suppression through preservation of genetic and epigenetic stability. Genome Biology, 2016, 17, 158.	3.8	65
20	Genome-wide characterization of human L1 antisense promoter-driven transcripts. BMC Genomics, 2016, 17, 463.	1.2	58
21	The Chromatin Landscape of Cellular Senescence. Trends in Genetics, 2016, 32, 751-761.	2.9	103
22	Chromatin-modifying genetic interventions suppress age-associated transposable element activation and extend life span in <i>Drosophila</i>. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11277-11282.	3.3	169
23	Reorganization of chromosome architecture in replicative cellular senescence. Science Advances, 2016, 2, e1500882.	4.7	122
24	Profiling of the fetal and adult rat liver transcriptome and translatome reveals discordant regulation by the mechanistic target of rapamycin (mTOR). American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R22-R35.	0.9	20
25	Reduced Expression of MYC Increases Longevity and Enhances Healthspan. Cell, 2015, 160, 477-488.	13.5	238
26	Enhancement of radiation effect on cancer cells by gold-pHLIP. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5372-5376.	3.3	73
27	Drosophila Melanogaster Show a Threshold Effect in Response to Radiation. Dose-Response, 2014, 12, dose-response.1.	0.7	10
28	Hepatic signaling by the mechanistic target of rapamycin complex 2 (mTORC2). FASEB Journal, 2014, 28, 300-315.	0.2	65
29	Transcriptional landscape of repetitive elements in normal and cancer human cells. BMC Genomics, 2014, 15, 583.	1.2	233
30	Transcriptional response to dietary restriction in Drosophila melanogaster. Journal of Insect Physiology, 2014, 69, 101-106.	0.9	16
31	Dietary switch reveals fast coordinated gene expression changes in Drosophila melanogaster. Aging, 2014, 6, 355-368.	1.4	47
32	CORaL: Comparison of Ranked Lists for Analysis of Gene Expression Data. Journal of Computational Biology, 2013, 20, 433-443.	0.8	7
33	Genomes of replicatively senescent cells undergo global epigenetic changes leading to gene silencing and activation of transposable elements. Aging Cell, 2013, 12, 247-256.	3.0	355
34	Death by transposition â€“ the enemy within?. BioEssays, 2013, 35, 1035-1043.	1.2	53
35	Transposable elements become active and mobile in the genomes of aging mammalian somatic tissues. Aging, 2013, 5, 867-883.	1.4	280
36	Dietary and genetic effects on age-related loss of gene silencing reveal epigenetic plasticity of chromatin repression during aging. Aging, 2013, 5, 813-824.	1.4	50

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37	mTOR complex 2 (mTORC2) regulation of hepatic gene expression. FASEB Journal, 2013, 27, 1009.4.	0.2	0
38	takeout-dependent longevity is associated with altered Juvenile Hormone signaling. Mechanisms of Ageing and Development, 2012, 133, 637-646.	2.2	23
39	Transcriptome variance in single oocytes within, and between, genotypes. Molecular Reproduction and Development, 2012, 79, 502-503.	1.0	6
40	Kinetic profiling of the c-Myc transcriptome and bioinformatic analysis of repressed gene promoters. Cell Cycle, 2011, 10, 2184-2196.	1.3	38
41	Comparative transcriptional pathway bioinformatic analysis of dietary restriction, Sir2, p53 and resveratrol life span extension inDrosophila. Cell Cycle, 2011, 10, 904-911.	1.3	27
42	New comparative genomics approach reveals a conserved health span signature across species. Aging, 2011, 3, 576-583.	1.4	17
43	Chromatin remodeling in the aging genome of Drosophila. Aging Cell, 2010, 9, 971-978.	3.0	165
44	Regulation of Gene Expression in Hepatic Cells by the Mammalian Target of Rapamycin (mTOR). PLoS ONE, 2010, 5, e9084.	1.1	23
45	Comparative transcriptional profiling identifies takeout as a gene that regulates life span. Aging, 2010, 2, 298-310.	1.4	54
46	Long-lived <i>Indy</i> induces reduced mitochondrial reactive oxygen species production and oxidative damage. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2277-2282.	3.3	71
47	Long-lived Indy and calorie restriction interact to extend life span. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 9262-9267.	3.3	95
48	MAP fusion method for superresolution of images with locally varying pixel quality. International Journal of Imaging Systems and Technology, 2008, 18, 242-250.	2.7	6
49	Reconstructing networks of pathways via significance analysis of their intersections. BMC Bioinformatics, 2008, 9, S9.	1.2	25
50	The oncogene c-Myc coordinates regulation of metabolic networks to enable rapid cell cycle entry. Cell Cycle, 2008, 7, 1054-1066.	1.3	112
51	Global Regulation of Nucleotide Biosynthetic Genes by c-Myc. PLoS ONE, 2008, 3, e2722.	1.1	239
52	Exon expression profiling reveals stimulus-mediated exon use in neural cells. Genome Biology, 2007, 8, R159.	13.9	36
53	Correlation analysis reveals the emergence of coherence in the gene expression dynamics following system perturbation. BMC Bioinformatics, 2007, 8, S16.	1.2	6
54	Multiple ping sonar accuracy improvement using robust motion estimation and ping fusion. Journal of the Acoustical Society of America, 2006, 119, 2106-2113.	0.5	11

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55	Delay accuracy in bat sonar is related to the reciprocal of normalized echo bandwidth, or Q. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 3638-3643.	3.3	42
56	Time-frequency model for echo-delay resolution in wideband biosonar. Journal of the Acoustical Society of America, 2003, 113, 2137-2145.	0.5	27
57	Evaluation of an auditory model for echo delay accuracy in wideband biosonar. Journal of the Acoustical Society of America, 2003, 114, 1648-1659.	0.5	32
58	Image enhancement for pattern recognition. , 1998, 3392, 306.		1
59	Secondary and a Subset of Primary Senescent Cells Result from Notch Signalling. SSRN Electronic Journal, 0, , .	0.4	0