

Cytoplasmic DNA: sources, sensing, and role in aging and

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Chromatin basis of the senescence-associated secretory phenotype. <i>Trends in Cell Biology</i> , 2022, 32, 513-526.	3.6	29
3	Cellular senescence: all roads lead to mitochondria. <i>FEBS Journal</i> , 2023, 290, 1186-1202.	2.2	79
4	Evaluation of Ectopic Mitochondrial DNA in HeLa Cells. <i>Current Issues in Molecular Biology</i> , 2022, 44, 1215-1223.	1.0	0
5	Cellular Senescence and Ageing: Mechanisms and Interventions. <i>Frontiers in Aging</i> , 2022, 3, .	1.2	34
6	DNA-PKcs interacts with and phosphorylates Fis1 to induce mitochondrial fragmentation in tubular cells during acute kidney injury. <i>Science Signaling</i> , 2022, 15, eabh1121.	1.6	55
7	The Role of DNA Repair in Immunological Diversity: From Molecular Mechanisms to Clinical Ramifications. <i>Frontiers in Immunology</i> , 2022, 13, 834889.	2.2	6
8	Mechanisms of DNA damage-mediated neurotoxicity in neurodegenerative disease. <i>EMBO Reports</i> , 2022, 23, e54217.	2.0	43
9	Inhibition of histone methyltransferase SETD8 represses DNA virus replication. , 2022, 1, 100033.		0
10	The hallmarks of aging in Ataxia-Telangiectasia. <i>Ageing Research Reviews</i> , 2022, 79, 101653.	5.0	10
11	The Inflamm-Aging Model Identifies Key Risk Factors in Atherosclerosis. <i>Frontiers in Genetics</i> , 0, 13, .	1.1	3
13	Kinase Activity of PAR1b, Which Mediates Nuclear Translocation of the BRCA1 Tumor Suppressor, Is Potentiated by Nucleic Acid-Mediated PAR1b Multimerization. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6634.	1.8	1
14	Targeting cellular senescence to combat cancer and ageing. <i>Molecular Oncology</i> , 2022, 16, 3319-3332.	2.1	6
15	Pathophysiological Role of Nucleic Acid-Sensing Pattern Recognition Receptors in Inflammatory Diseases. <i>Frontiers in Cellular and Infection Microbiology</i> , 0, 12, .	1.8	3
16	Telomeric 8-oxo-guanine drives rapid premature senescence in the absence of telomere shortening. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 639-652.	3.6	35
17	DNA damage and repair in age-related inflammation. <i>Nature Reviews Immunology</i> , 2023, 23, 75-89.	10.6	56
18	Treatment and prevention of pathological mitochondrial dysfunction in retinal degeneration and in photoreceptor injury. <i>Biochemical Pharmacology</i> , 2022, 203, 115168.	2.0	10
19	Novel Poxin Stable cGAMP-Derivatives Are Remarkable STING Agonists. <i>Angewandte Chemie</i> , 0, , .	1.6	0
20	Interplay of cGAS with micronuclei: Regulation and diseases. <i>Mutation Research - Reviews in Mutation Research</i> , 2022, 790, 108440.	2.4	7

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21	Novel Poxin Stable cGAMP Derivatives Are Remarkable STING Agonists. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	13
22	The landscape of aging. <i>Science China Life Sciences</i> , 2022, 65, 2354-2454.	2.3	110
23	Upregulation of PD-L1 in Senescence and Aging. <i>Molecular and Cellular Biology</i> , 2022, 42, .	1.1	24
24	The structure-selective endonucleases GEN1 and MUS81 mediate complementary functions in safeguarding the genome of proliferating B lymphocytes. <i>ELife</i> , 0, 11, .	2.8	0
25	COVID-19 and cellular senescence. <i>Nature Reviews Immunology</i> , 2023, 23, 251-263.	10.6	54
26	Detection of apoptotic cells based on in situ hybridization chain reaction using specific hairpins. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 0, , .	2.2	0
28	Synergistically targeting synovium STING pathway for rheumatoid arthritis treatment. <i>Bioactive Materials</i> , 2023, 24, 37-53.	8.6	9
29	cGAS in nucleus: The link between immune response and DNA damage repair. <i>Frontiers in Immunology</i> , 0, 13, .	2.2	7
30	Aging and aging-related diseases: from molecular mechanisms to interventions and treatments. <i>Signal Transduction and Targeted Therapy</i> , 2022, 7, .	7.1	150
32	Mitochondrial cristae architecture protects against mtDNA release and inflammation. <i>Cell Reports</i> , 2022, 41, 111774.	2.9	21
33	METTL14 Regulates Intestine Cellular Senescence through m6A Modification of Lamin B Receptor. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-16.	1.9	5
34	Human myeloid progenitor glucocorticoid receptor activation causes genomic instability, type 1 γ -IFN response pathway activation and senescence in differentiated microglia; an early life stress model. <i>Glia</i> , 2023, 71, 1036-1056.	2.5	2
35	The Immunological Conundrum of Endogenous Retroelements. <i>Annual Review of Immunology</i> , 2023, 41, 99-125.	9.5	11
36	Meta-hallmarks of aging and cancer. <i>Cell Metabolism</i> , 2023, 35, 12-35.	7.2	80
37	Hallmarks of aging: An expanding universe. <i>Cell</i> , 2023, 186, 243-278.	13.5	894
38	Nucleic Acid Sensing and Systemic Lupus Erythematosus: The Danger of Self. <i>Journal of Immunology</i> , 2022, 209, 431-433.	0.4	0
39	Is aging a "Retro"pective event?. <i>Cell</i> , 2023, 186, 233-235.	13.5	2
40	Cytosolic DNA sensing by cGAS/STING promotes TRPV2-mediated Ca ²⁺ release to protect stressed replication forks. <i>Molecular Cell</i> , 2023, 83, 556-573.e7.	4.5	10

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42	Mechanistic Insights on Hyperthermic Intraperitoneal Chemotherapy in Ovarian Cancer. <i>Cancers</i> , 2023, 15, 1402.	1.7	4
43	A possible mechanism of neural read-out from a molecular engram. <i>Neurobiology of Learning and Memory</i> , 2023, 200, 107748.	1.0	1
44	DNA sensing via the cGAS/STING pathway activates the immunoproteasome and adaptive T cell immunity. <i>EMBO Journal</i> , 2023, 42, .	3.5	3
45	Cytosolic DNA sensors and glial responses to endogenous DNA. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	3
46	The Role of cGAS-STING in Age-Related Diseases from Mechanisms to Therapies. , 2023, .		6
47	The reverse transcriptase inhibitor <i>3TC</i> protects against age-related cognitive dysfunction. <i>Aging Cell</i> , 2023, 22, .	3.0	8
48	The role of transposable elements in aging and cancer. <i>Biogerontology</i> , 2023, 24, 479-491.	2.0	2
49	Cytoplasmic DNAs: Sources, sensing, and roles in the development of lung inflammatory diseases and cancer. <i>Frontiers in Immunology</i> , 0, 14, .	2.2	1
50	CISH impairs lysosomal function in activated T cells resulting in mitochondrial DNA release and inflammaging. <i>Nature Aging</i> , 2023, 3, 600-616.	5.3	4
51	Expression of retrotransposons contributes to aging in <i>Drosophila</i> . <i>Genetics</i> , 2023, 224, .	1.2	3
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66	The role of cellular lipid metabolism in aging. , 2023, , 225-248.		0
84	Olovnikov, Telomeres, and Telomerase. Is It Possible to Prolong a Healthy Life?. <i>Biochemistry (Moscow)</i> , 2023, 88, 1704-1718.	0.7	0
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