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The senescence-associated secretory phenotype: the dark side of tumor suppression

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1787	Clearance of senescent cells by ABT263 rejuvenates aged hematopoietic stem cells in mice. <b>2016</b> , 22, 78-83	883
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1785	Early-life stress and reproductive cost: A two-hit developmental model of accelerated aging?. <b>2016</b> , 90, 41-7	38
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1782	Emerging roles of lncRNAs in senescence. <b>2016</b> , 283, 2414-26	41
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1743	Differential morphological and functional features of fibroblasts explanted from solar lentigo. <b>2017</b> , 177, e109-e111	7
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1731	Chronic Resveratrol Treatment Inhibits MRC5 Fibroblast SASP-Related Protumoral Effects on Melanoma Cells. <b>2017</b> , 72, 1187-1195	22
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1679	A signature of enhanced lipid metabolism, lipid peroxidation and aldehyde stress in therapy-induced senescence. <b>2017</b> , 3, 17075	44
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1677	Protein and chemotherapy profiling of extracellular vesicles harvested from therapeutic induced senescent triple negative breast cancer cells. <b>2017</b> , 6, e388	54
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1668	Tumor cell senescence response produces aggressive variants. <b>2017</b> , 3, 17049	59
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1649	Raman and infrared spectroscopy differentiate senescent from proliferating cells in a human dermal fibroblast 3D skin model. <b>2017</b> , 142, 4405-4414	14
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1647	Decitabine, a DNA-demethylating agent, promotes differentiation via NOTCH1 signaling and alters immune-related pathways in muscle-invasive bladder cancer. <b>2017</b> , 8, 3217	15
1646	Cell viability and hydration assay based on metamaterial-enhanced terahertz spectroscopy. <b>2017</b> , 7, 53963-53	——— 39 <b>6</b> 9
1645	Stem cell senescence drives age-attenuated induction of pituitary tumours in mouse models of paediatric craniopharyngioma. <b>2017</b> , 8, 1819	50

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1417	Leveraging Epigenetics to Enhance the Cellular Response to Chemotherapies and Improve Tumor Immunogenicity. <b>2018</b> , 138, 1-39	1
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618	The Shades of Grey in Adipose Tissue Reprogramming 2022,	2
617	Taking Advantage of the Senescence-Promoting Effect of Olaparib after X-ray and Proton Irradiation Using the Senolytic Drug, ABT-263 <b>2022</b> , 14,	O
616	cGAS-STING mediates cytoplasmic mitochondrial-DNA-induced inflammatory signal transduction during accelerated senescence of pancreatic tells induced by metabolic stress <b>2022</b> , 36, e22266	1
615	Ceramide-1-Phosphate Is Involved in Therapy-Induced Senescence <b>2022</b> ,	1
614	The functional multipotency of transforming growth factor Bignaling at the intersection of senescence and cancer <b>2022</b> , 79, 196	1
613	Osteoarthritis: Mechanistic Insights, Senescence, and Novel Therapeutic Opportunities. <b>2022</b> , 4, 39-47	O
612	Cytokine-Induced Senescence in the Tumor Microenvironment and Its Effects on Anti-Tumor Immune Responses <b>2022</b> , 14,	0
611	Senotherapeutics in Cancer and HIV <b>2022</b> , 11,	1
610	Determinants of epigenetic resistance to HDAC inhibitors in dystrophic fibro-adipogenic progenitors <b>2022</b> , e54721	1
609	Targeted clearance of p21- but not p16-positive senescent cells prevents radiation-induced osteoporosis and increased marrow adiposity <b>2022</b> , e13602	3
608	Dual Inhibition of H3K9me2 and H3K27me3 Promotes Tumor Cell Senescence without Triggering the Secretion of SASP <b>2022</b> , 23,	1
607	Breaking the barriers to remyelination in multiple sclerosis <b>2022</b> , 63, 102194	O
606	PLK4 inhibitor, CFI-400945, suppresses liver cancer through cell cycle perturbation and eliciting anti-tumor immunity <b>2022</b> ,	1
605	Mitochondria Dysfunction-Mediated Molecular Subtypes and Gene Prognostic Index for Prostate Cancer Patients Undergoing Radical Prostatectomy or Radiotherapy <b>2022</b> , 12, 858479	O
604	5-Azacytidine Inhibits the Activation of Senescence Program and Promotes Cytotoxic Autophagy during Trdmt1-Mediated Oxidative Stress Response in Insulinoma 町C-6 Cells <b>2022</b> , 11,	0
603	Clinical perspectives on the age-related increase of immunosuppressive activity 2022, 1	5
602	IRE1 <sup>d</sup> drives lung epithelial progenitor dysfunction to establish a niche for pulmonary fibrosis <b>2022</b> ,	1
601	Combining adoptive NK cell infusion with a dopamine-releasing peptide reduces senescent cells in aged mice <b>2022</b> , 13, 305	О

600	Cellular senescence signaling in cancer: A novel therapeutic target to combat human malignancies <b>2022</b> , 114989	3
599	Oxysterols are potential physiological regulators of ageing <b>2022</b> , 101615	1
598	Advancements in nanomedicines for the detection and treatment of diabetic kidney disease. <b>2022</b> , 6, 100047	1
597	The role of exosome heterogeneity in epithelial ovarian cancer. <b>2022</b> , 4, 100040	1
596	Exerkines and long-term synaptic potentiation: Mechanisms of exercise-induced neuroplasticity <b>2022</b> , 66, 100993	О
595	Myofibroblast Senescence Promotes Arrhythmogenic Remodeling in the Aged Infarcted Rabbit Heart.	
594	MicroRNA therapy confers anti-senescent effects on doxorubicin-related cardiotoxicity by intracellular and paracrine signaling. <b>2021</b> , 13,	2
593	Cancer-related accelerated ageing and biobehavioural modifiers: a framework for research and clinical care. <b>2021</b> ,	1
592	Periodontal Disease: The Good, The Bad, and The Unknown <b>2021</b> , 11, 766944	13
591	Retinal drusen in patients with chronic myeloproliferative blood cancers are associated with an increased proportion of senescent T cells and signs of an aging immune system <b>2021</b> , 13,	1
590	Pathophysiology of Circulating Biomarkers and Relationship With Vascular Aging: A Review of the Literature From VascAgeNet Group on Circulating Biomarkers, European Cooperation in Science and Technology Action 18216 <b>2021</b> , 12, 789690	О
589	Identification and validation of cellular senescence patterns to predict clinical outcomes and immunotherapeutic responses in lung adenocarcinoma. <b>2021</b> , 21, 652	2
588	T Cell Aging in Patients with Colorectal Cancer-What Do We Know So Far?. <b>2021</b> , 13,	1
587	Cellular Senescence in Adrenocortical Biology and Its Disorders <b>2021</b> , 10,	1
586	A New Gene Set Identifies Senescent Cells and Predicts Senescence-Associated Pathways Across Tissues.	О
585	Mitophagy in aging and longevity. 2021,	1
584	Targeting senescence-like fibroblasts radiosensitizes non-small cell lung cancer and reduces radiation-induced pulmonary fibrosis. <b>2021</b> , 6,	2
583	Early senescence and production of senescence-associated cytokines are major determinants of radioresistance in head-and-neck squamous cell carcinoma <b>2021</b> , 12, 1162	5

582	Pancreatic Cancer and Cellular Senescence: Tumor Microenvironment under the Spotlight <b>2021</b> , 23,	7
581	Mechanisms and Regulation of Cellular Senescence. <b>2021</b> , 22,	12
580	Co-existing TP53 and ARID1A mutations promote aggressive endometrial tumorigenesis <b>2021</b> , 17, e1009986	5 6
579	Short senolytic or senostatic interventions rescue progression of radiation-induced frailty and premature ageing in mice.	1
578	Mesenchymal Stem Cell Senescence and Osteogenesis <b>2021</b> , 58,	4
577	Single-cell transcriptome atlas of human mesenchymal stem cells exploring cellular heterogeneity <b>2021</b> , 11, e650	5
576	Glyoxal induces senescence in human keratinocytes through oxidative stress and activation of the AKT/FOXO3a/p27 pathway <b>2021</b> ,	1
575	Autophagy and ncRNAs: Dangerous Liaisons in the Crosstalk between the Tumor and Its Microenvironment <b>2021</b> , 14,	1
574	Exploring New Kingdoms: The Role of Extracellular Vesicles in Oxi-Inflamm-Aging Related to Cardiorenal Syndrome <b>2021</b> , 11,	3
573	Telomere Shortening and Its Association with Cell Dysfunction in Lung Diseases <b>2021</b> , 23,	2
57 <sup>2</sup>	Targeting IKK[]n androgen-independent prostate cancer causes phenotypic senescence and genomic instability <b>2021</b> ,	0
571	2021,	3
570	Loss of lamin-B1 and defective nuclear morphology are hallmarks of astrocyte senescence in vitro and in the aging human hippocampus. <b>2021</b> , e13521	7
569	Senescent tumor cells: an overlooked adversary in the battle against cancer 2021,	2
568	Dynamic structural cell responses in the thymus to acute injury, regeneration, and age.	Ο
567	The cGAS-STING pathway: more than fighting against viruses and cancer <b>2021</b> , 11, 209	2
566	Induction of expression through JNK and cGAS-STING modulates DNA damage-induced cytokine production <b>2021</b> , 14, eaba2611	0
565	Accumulation of Treg cells is detrimental in late-onset (aged) mouse model of multiple sclerosis.	

564	Senescence Alterations in Pulmonary Hypertension 2021, 10,	1
563	Parvovirus B19 (B19V) induces cellular senescence in human dermal fibroblasts: putative role in SSc-associated fibrosis. <b>2021</b> ,	Ο
562	Microglia Aging. <b>2022</b> , 565-592	
561	Aging, Senescence, and Dementia. 1	1
560	Does Inflammation Contribute to Cancer Incidence and Mortality during Aging? A Conceptual Review <b>2022</b> , 14,	1
559	Cellular Senescence: Molecular Targets, Biomarkers, and Senolytic Drugs <b>2022</b> , 23,	1
558	Assessment of cell cycle regulators in human peripheral blood cells as markers of cellular senescence <b>2022</b> , 101634	1
557	SREBP1c-PARP1 axis tunes anti-senescence activity of adipocytes and ameliorates metabolic imbalance in obesity <b>2022</b> ,	2
556	Long-term male-specific chronic pain via telomere- and p53-mediated spinal cord cellular senescence <b>2022</b> , 132,	1
555	Cellular senescence in the Aging Brain: A promising target for neurodegenerative diseases <b>2022</b> , 111675	2
554	Loss of RNA binding protein HuD facilitates the production of the senescence-associated secretory phenotype <b>2022</b> , 13, 329	1
553	A Senolytic-Eluting Coronary Stent for the Prevention of In-Stent Restenosis <b>2022</b> ,	1
552	Targeting chemoresistance in Xp11.2 translocation renal cell carcinoma using a novel polyamide-chlorambucil conjugate <b>2022</b> ,	0
551	Single-cell transcriptomics identifies Mcl-1 as a target for senolytic therapy in cancer <b>2022</b> , 13, 2177	2
550	Platelet response to influenza vaccination reflects effects of aging.	
549	Senescence-Associated Molecules and Tumor-Immune-Interactions as Prognostic Biomarkers in Colorectal Cancer <b>2022</b> , 9, 865230	O
548	An update on healthspan and lifespan enhancing attributes of tea amidst the emerging understanding of aging biology. <b>2022</b> , 28, 200149	0
547	Chronic stress increases transcriptomic indicators of biological aging in mouse bone marrow leukocytes <b>2022</b> , 22, 100461	1



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527	Contribution of proteases to the hallmarks of aging and to age-related neurodegeneration <b>2022</b> , e13603	O
526	Impact of Acrylamide on Cellular Senescence Response and Cell Cycle Distribution via an In-vitro Study <b>2021</b> , 20, 165-177	1
525	Fatty acids and telomeres in humans. <b>2022</b> , 13-25	
524	OUP accepted manuscript.	Ο
523	Detection of Cellular Senescence in Human Primary Melanocytes and Malignant Melanoma Cells In Vitro <b>2022</b> , 11,	1
522	Senescence-Associated miRNAs and Their Role in Pancreatic Cancer <b>2022</b> , 28, 1610156	2
521	Nutrition Interventions of Herbal Compounds on Cellular Senescence <b>2022</b> , 2022, 1059257	
520	Bone Marrow Aging and the Leukaemia-Induced Senescence of Mesenchymal Stem/Stromal Cells: Exploring Similarities. <b>2022</b> , 12, 716	1
519	IL1 Pathway in HPV-Negative HNSCC Cells Is an Indicator of Radioresistance After Photon and Carbon Ion Irradiation Without Functional Involvement <b>2022</b> , 12, 878675	1
518	IFN-land TNF Induce Senescence and a Distinct Senescence-Associated Secretory Phenotype in Melanoma <b>2022</b> , 11,	0
517	miR-10a, miR-30c, and miR-451a encapsulated in small extracellular vesicles are pro-senescence factors in human dermal fibroblasts <b>2022</b> ,	Ο
516	Recent Advancements in Antifibrotic Therapies for Regression of Liver Fibrosis 2022, 11,	0
515	Telomere length declines with age, but relates to immune function independent of age in a wild passerine. <b>2022</b> , 9,	O
514	Discovery of new senolytics using machine learning.	
513	Senescence-Induced Immune Remodeling Facilitates Metastatic Adrenal Cancer in a Sex-Dimorphic Manner.	1
512	Endoplasmic Reticulum (ER) Stress and Its Role in Pancreatic Ecell Dysfunction and Senescence in Type 2 Diabetes <b>2022</b> , 23,	2
511	Physiological Systems in Promoting Frailty <b>2022</b> , 12, 1-46	2

510	Metformin Improves the Prognosis of Adult Mice with Sepsis-Associated Encephalopathy Better than That of Aged Mice <b>2022</b> , 2022, 3218452	0
509	Single-Cell Analysis Reveals Transcriptomic Reprogramming in Aging Cardiovascular Endothelial Cells. <b>2022</b> , 9,	O
508	Effects of anti-fibrotic standard of care drugs on senescent human lung fibroblasts.	
507	Analysis of senescence in gingival tissues and gingival fibroblast cultures 2022,	
506	Sexually dimorphic activation of innate antitumour immunity prevents adrenocortical carcinoma development.	O
505	The aging immune system in Alzheimer's and Parkinson's diseases <b>2022</b> , 1	1
504	The translational challenges of precision oncology 2022,	3
503	Topical therapy for regression and melanoma prevention of congenital giant nevi 2022,	O
502	Short senolytic or senostatic interventions rescue progression of radiation-induced frailty and premature ageing in mice <b>2022</b> , 11,	1
501	Senescent Preosteoclast Secretome Promotes Metabolic Syndrome-Associated Osteoarthritis through Cyclooxygenase 2.	
500	The Aging Microenvironment in Lung Fibrosis.	0
499	Inhibition of matrix metalloproteinase expression by selective clearing of senescent dermal fibroblasts attenuates ultraviolet-induced photoaging <b>2022</b> , 150, 113034	3
498	PAI-1: A Major Player in the Vascular Dysfunction in Obstructive Sleep Apnea?. <b>2022</b> , 23, 5516	3
497	Alterations in Molecular Profiles Affecting Glioblastoma Resistance to Radiochemotherapy: Where Does the Good Go?. <b>2022</b> , 14, 2416	4
496	Editorial: Role of Senescence in Neurodegenerative Diseases. <b>2022</b> , 14,	
495	Hexavalent chromium triggers hepatocytes premature senescence via the GATA4/NF- <b>B</b> signaling pathway mediated by the DNA damage response <b>2022</b> , 239, 113645	О
494	Non-coding RNAs in photoaging-related mechanisms: a new paradigm in skin health 2022,	1
493	The Senescence-Associated Secretory Phenotype in Ovarian Cancer Dissemination 2022,	O

492	A natural variation-based screen in mouse cells reveals USF2 as a regulator of the DNA damage response and cellular senescence.	
491	Cellular senescence in malignant cells promotes tumor progression in mouse and patient Glioblastoma.	O
490	Spurious intragenic transcription is a hallmark of mammalian cellular senescence and tissue aging.	
489	The Hallmarks of Aging in Ataxia-Telangiectasia. <b>2022</b> , 101653	O
488	A new mouse model of radiation-induced liver disease reveals mitochondrial dysfunction as an underlying fibrotic stimulus. <b>2022</b> , 100508	O
487	Primary Graft Dysfunction: The Role of Aging in Lung Ischemia-Reperfusion Injury. 13,	O
486	Cellular Senescence in Aging Lungs and Diseases. <b>2022</b> , 11, 1781	1
485	Peroxiredoxin, Senescence, and Cancer. <b>2022</b> , 11, 1772	2
484	Accumulation of pTreg cells is detrimental in late-onset (aged) mouse model of multiple sclerosis.	О
483	PKC-alpha regulates the phosphorylation of KRAS that suppresses its oncogenic properties.	
482	Long-term consumption of green tea EGCG enhances murine healthspan by mitigating multiple aspects of cellular senescence in mitotic and post-mitotic tissues, gut dysbiosis, and immunosenescence. <b>2022</b> , 109068	3
481	Accelerating the clock: Interconnected speedup of energetic and molecular dynamics during aging in cultured human cells.	O
480	Immune Senescence, Immunosenescence and Aging. <b>2022</b> , 3,	1
479	Curcumin, Polydatin and Quercetin Synergistic Activity Protects from High-Glucose-Induced Inflammation and Oxidative Stress. <b>2022</b> , 11, 1037	1
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477	Genome-Wide RNA Sequencing Analysis in Human Dermal Fibroblasts Exposed to Low-Dose Ultraviolet A Radiation. <b>2022</b> , 13, 974	
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475	Countermeasure efficacy of apigenin for silicon-ion-induced early damage in blood and bone marrow of exposed C57BL/6J mice. <b>2022</b> ,	O

474	Toward Elucidating Epigenetic and Metabolic Regulation of Stem Cell Lineage Plasticity in Skin Aging. <b>2022</b> , 10,	
473	TNF -∄IFN -Љynergy amplifies senescence-associated inflammation and SARS-CoV -2 receptor expression via hyper-activated JAK / STAT1.	O
472	Age-Related Changes in the Fibroblastic Differon of the Dermis: Role in Skin Aging. 2022, 23, 6135	1
471	The multifaceted role of the SASP in atherosclerosis: from mechanisms to therapeutic opportunities. <b>2022</b> , 12,	1
47°	LINCing Senescence and Nuclear Envelope Changes. <b>2022</b> , 11, 1787	
469	Metformin: Is it a drug for all reasons and diseases?. <b>2022</b> , 155223	6
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465	A gene prognostic index from cellular senescence predicting metastasis and radioresistance for prostate cancer. <b>2022</b> , 20,	Ο
464	Bioinformatics and System Biology Approach to Reveal the Interaction Network and the Therapeutic Implications for Non-Small Cell Lung Cancer Patients With COVID-19. <b>2022</b> , 13,	1
463	Histone H2A ubiquitination resulting from Brap loss of function connects multiple aging hallmarks and accelerates neurodegeneration. <b>2022</b> , 104519	Ο
462	Link between senescence and cell fate: Senescence-associated secretory phenotype (SASP) and its effects on stem cell fate transition.	О
461	Comprehensive Analysis of Senescence Characteristics Defines a Novel Prognostic Signature to Guide Personalized Treatment for Clear Cell Renal Cell Carcinoma. 13,	1
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458	Nutrigenomics of Aging. 2022, 27-56	
457	Cellular aging and immunity. <b>2022</b> , 5, 8-16	

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455	Androgens, aging, and prostate health.	1
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453	Biphasic JNKErk Signaling Separates Induction and Maintenance of Cell Senescence after DNA Damage.	
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451	The AI-Assisted Identification and Clinical Efficacy of Baricitinib in the Treatment of COVID-19. <b>2022</b> , 10, 951	0
450	Senescence: Pathogenic Driver in Chronic Obstructive Pulmonary Disease. <b>2022</b> , 58, 817	1
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446	Role of Peritoneal Mesothelial Cells in the Progression of Peritoneal Metastases. <b>2022</b> , 14, 2856	1
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444	Aging and biliary tract cancers: Epidemiology, molecular biology, and clinical practice.	
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421	A Tandemly Activated Fluorescence Probe for Detecting Senescent Cells with Improved Selectivity by Targeting a Biomarker Combination.	2

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415	DNA repair as a shared hallmark in cancer and ageing.	1
414	Senescent cell-derived extracellular vesicles recruit antigen presenting cells and limit squamous carcinoma recurrence.	
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406	Revisiting Epithelial Carcinogenesis. <b>2022</b> , 23, 7437	O
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386	Bidirectional Relationship Between Cancer and Heart Failure: Insights on Circulating Biomarkers. 9,	1
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370	The role of extracellular vesicles in cellular senescence.	1
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360	Targeting CDK4 and 6 in Cancer Therapy: Emerging Preclinical Insights Related to Abemaciclib.	2
359	Small RNA sequencing of small extracellular vesicles secreted by umbilical cord mesenchymal stem cells following replicative senescence.	
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352	Transcription-independent regulation of STING activation and innate immune responses by IRF8 in monocytes. <b>2022</b> , 13,	2
351	Exogenous Klotho ameliorates extracellular matrix degradation and angiogenesis in intervertebral disc degeneration via inhibition of the Rac1/PAK1/MMP-2 signaling axis. <b>2022</b> , 207, 111715	
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346	A TGFR inhibitor represses keratin-7 expression in 3D cultures of human salivary gland progenitor cells. <b>2022</b> , 12,	O
345	Inorganic arsenic exposure-induced premature senescence and senescence-associated secretory phenotype (SASP) in human hepatic stellate cells. <b>2022</b> , 454, 116231	o
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342	Stem cells, fitness, and aging. <b>2023</b> , 385-405	O
341	Nanoscale biophysical properties of small extracellular vesicles from senescent cells using atomic force microscopy, surface potential microscopy, and Raman spectroscopy.	1
340	Brief about hallmarks of aging. <b>2022</b> , 41-60	О
339	DNA damage and histone variants. <b>2022</b> , 33-53	
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328	The lipid rafts in cancer stem cell: a target to eradicate cancer. <b>2022</b> , 13,	1
327	The landscape of aging.	3
326	Loss of ANT1 Increases Fibrosis and Epithelial Cell Senescence in Idiopathic Pulmonary Fibrosis.	О
325	From the divergence of senescent cell fates to mechanisms and selectivity of senolytic drugs. <b>2022</b> , 12,	o
324	The relationship between PD-L1 and quiescence in melanocyte stem cell aging.	0
323	Cellular Senescence and Periodontitis: Mechanisms and Therapeutics. <b>2022</b> , 11, 1419	1
322	Senolytic elimination of senescent macrophages restores muscle stem cell function in severely dystrophic muscle.	О
321	Endothelial senescence mediates hypoxia-induced vascular remodeling by modulating PDGFB expression. 9,	1
320	Cellular senescence and cardiovascular diseases: moving to the "heart" of the problem.	0
319	The pathophysiology of osteoporosis in obesity and type 2 diabetes in aging women and men: The mechanisms and roles of increased bone marrow adiposity. 13,	1
318	Genetic association of leukocyte telomere length with GravesIdisease in Biobank Japan: A two-sample Mendelian randomization study. 13,	0
317	Inhibiting DNA methylation as a strategy to enhance adipose-derived stem cells differentiation: Focus on the role of Akt/mTOR and Wnt/毗atenin pathways on adipogenesis. 10,	2
316	Metformin prevents age-associated ovarian fibrosis by modulating the immune landscape in female mice. <b>2022</b> , 8,	1
315	Lipopolysaccharides and Cellular Senescence: Involvement in Atherosclerosis. <b>2022</b> , 23, 11148	1
314	Cellular Senescence is Increased in Airway Smooth Muscle Cells of Elderly Asthmatics.	1
313	Out of the cycle: Impact of cell cycle aberrations on cancer metabolism and metastasis.	O

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311	Substrate stiffness engineered to replicate disease conditions influence senescence and fibrotic responses in primary lung fibroblasts.	O
310	Downregulation of senescence-associated secretory phenotype by knockdown of secreted frizzled-related protein 4 contributes to the prevention of skin aging.	0
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305	Transforming L1000 profiles to RNA-seq-like profiles with deep learning. <b>2022</b> , 23,	O
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303	TGF-tontrols stromal telomere length through epigenetic modifications. <b>2022</b> , 12,	O
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301	Transcriptional regulation of CDKN2A/p16 by sirtuin 7 in senescence. <b>2022</b> , 26,	O
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298	Nucleosome disruption by 5-bromodeoxyuridine leads to senescence.	1
297	Acetylation of Atp5f1c Mediates Cardiomyocyte Senescence via Metabolic Dysfunction in Radiation-Induced Heart Damage. <b>2022</b> , 2022, 1-16	O
296	Increased p53 expression induced by APR-246 reprograms tumor-associated macrophages to augment immune checkpoint blockade. <b>2022</b> , 132,	О
295	Spotted Temporal Lobe Necrosis following Concurrent Chemoradiation Therapy Using Image-Guided Radiotherapy for Nasopharyngeal Carcinoma. <b>2022</b> , 2022, 1-6	O

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293	Factors and Pathways Modulating Endothelial Cell Senescence in Vascular Aging. <b>2022</b> , 23, 10135	O
292	Applications and mechanisms of the cyclin-dependent kinase 4/6 inhibitor, PD-0332991, in solid tumors.	1
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288	Senescent stromal cells: roles in the tumor microenvironment. <b>2022</b> ,	1
287	Age-related macular degeneration and myeloproliferative neoplasms [A common pathway. <b>2022</b> , 100, 3-35	O
286	Oxidative stress, lipid peroxidation and premature placental senescence in preeclampsia. <b>2022</b> , 730, 109416	1
285	ligentary lighted apoptosis and senescence of triple-negative breast cancer cells through ligentary lighted pathway. <b>2022</b> , 79, 101914	1
284	Cellular Senescence in Aging, Tissue Repair, and Regeneration. 2022, 150, 4S-11S	O
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282	Accumulation of senescence observed in spinocerebellar ataxia type 7 mouse model. <b>2022</b> , 17, e0275580	0
281	Senescence rewires microenvironment sensing to facilitate anti-tumor immunity.	2
280	Senotherapeutics and Their Molecular Mechanism for Improving Aging. <b>2022</b> , 30, 490-500	0
279	The Tumor Microenvironment of Medulloblastoma: An Intricate Multicellular Network with Therapeutic Potential. <b>2022</b> , 14, 5009	1
278	Colocalization of senescent biomarkers in deep, superficial, and ovarian endometriotic lesions: a pilot study. <b>2022</b> , 12,	0
277	Anthracycline-induced cardiotoxicity and cell senescence: new therapeutic option?. <b>2022</b> , 79,	O

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275	Sentinel p16 INK4a+ cells in the basement membrane form a reparative niche in the lung. <b>2022</b> , 378, 192-201	2
274	Cellular Senescence in Immunity against Infections. <b>2022</b> , 23, 11845	O
273	Small extracellular vesicles from young adipose-derived stem cells prevent frailty, improve health span, and decrease epigenetic age in old mice. <b>2022</b> , 8,	1
272	The Effect of Circumscribed Exposure to the Pan-Aurora Kinase Inhibitor VX-680 on Proliferating Euploid Cells. <b>2022</b> , 23, 12104	1
271	A BDNF-TrkB autocrine loop enhances senescent cell viability. <b>2022</b> , 13,	O
270	Identification of senescence-associated long non-coding RNAs to predict prognosis and immune microenvironment in patients with hepatocellular carcinoma. 13,	О
269	Cellular senescence in ischemia/reperfusion injury. <b>2022</b> , 8,	O
268	Cellular Senescence in Obesity and Associated Complications: a New Therapeutic Target. <b>2022</b> , 22, 537-548	O
267	Necrocide 1 Mediates a Non-Apoptotic Necrotic Cell Death and Immunogenic Response in Human Cancer Cells.	O
266	Increase of fibrosis-related genes in doxorubicin-induced senescent human dermal fibroblasts but their secretome does not trigger a paracrine fibrotic response in non-senescent cells.	0
265	High-fat diet-induced obesity augments the deleterious effects of estrogen deficiency on bone: Evidence from ovariectomized mice.	1
264	Cellular senescence affects energy metabolism, immune infiltration and immunotherapeutic response in Hepatocellular Carcinoma.	О
263	Sexually dimorphic activation of innate antitumor immunity prevents adrenocortical carcinoma development. <b>2022</b> , 8,	O
262	Therapeutic Antiaging Strategies. <b>2022</b> , 10, 2515	O
261	Adipose Tissue Plasticity in Aging. 4119-4132	O
260	Novel hydrogel system eliminates subculturing and improves retention of nonsenescent mesenchymal stem cell populations.	O
259	Molecular Targeting of the Most Functionally Complex Gene in Precision Oncology: p53. <b>2022</b> , 14, 5176	О

258	A Bench to Bedside Perspective on Anthracycline Chemotherapy-mediated Cardiovascular Dysfunction: Challenges and OpportunitiesA Symposium Review.	O
257	Innate Immunity Dysregulation In Aging Eye and Therapeutic Interventions. 2022, 101768	О
256	Immune senescence and periodontitis: From mechanism to therapy. <b>2022</b> , 112, 1025-1040	1
255	Bazi Bushen capsule attenuates cognitive deficits by inhibiting microglia activation and cellular senescence. <b>2022</b> , 60, 2025-2039	O
254	Aging of Liver in Its Different Diseases. <b>2022</b> , 23, 13085	1
253	Evo-devo perspectives on cancer.	1
252	What is hidden behind a pulmonary hypertensive, fibrotic and inflammatory phenotype?. <b>2022</b> , 60, 2201301	0
251	Reduction of senescent fibro-adipogenic progenitors in progeria-aged muscle by senolytics rescues the function of muscle stem cells.	O
250	Immune senescence in non-small cell lung cancer management: therapeutic relevance, biomarkers, and mitigating approaches. 1-14	0
249	STAT1- and NFAT-independent amplification of purinoceptor function integrates cellular senescence with interleukin-6 production in preadipocytes.	O
248	Navitoclax (ABT-263) rejuvenates human skin by eliminating senescent dermal fibroblasts in a mouse/human chimeric model.	0
247	Neurons and glial cells acquire a senescent signature after repeated mild traumatic brain injury in a sex-dependent manner. 16,	O
246	Attachment insecurity and the biological embedding of reproductive strategies: Investigating the role of cellular aging. <b>2022</b> , 175, 108446	0
245	Low-dose tributyltin triggers human chondrocyte senescence and mouse articular cartilage aging.	O
244	Effect of Nrf2 Loss on Senescence and Cognition of Tau-Based P301S Mice.	0
243	Substrate stiffness engineered to replicate disease conditions influence senescence and fibrotic responses in primary lung fibroblasts. 13,	О
242	The role of transcription factors in the acquisition of the four latest proposed hallmarks of cancer and corresponding enabling characteristics. <b>2022</b> , 86, 1203-1215	O
241	The microbiota and aging microenvironment in pancreatic cancer: Cell origin and fate. <b>2022</b> , 1877, 188826	1

240	Proinflammatory dietary pattern and depression risk in older adults: Prospective analyses from the Seniors-ENRICA studies. <b>2022</b> , 41, 2614-2620	O
239	Cytosolic DNA sensor IFI16 proteins: Potential molecular integrators of interactions among the aging hallmarks. <b>2022</b> , 82, 101765	1
238	Senescence in aging. <b>2023</b> , 149-195	0
237	Aging principles and interventional perspectives. <b>2023</b> , 1-21	O
236	Periostin plasma levels and changes on physical and cognitive capacities in community-dwelling older adults.	О
235	Roles of TGF-∰n cancer hallmarks and emerging onco-therapeutic design. 1-44	O
234	A cellular senescence-related classifier based on a tumorigenesis- and immune infiltration-guided strategy can predict prognosis, immunotherapy response, and candidate drugs in hepatocellular carcinoma. 13,	O
233	Toll-like receptor 2 orchestrates a tumor suppressor response in non-small cell lung cancer. <b>2022</b> , 41, 111596	1
232	The Molecular and Cellular Strategies of Glioblastoma and Non-Small-Cell Lung Cancer Cells Conferring Radioresistance. <b>2022</b> , 23, 13577	0
231	Immunosenescence in Neurological Diseasest There Enough Evidence?. <b>2022</b> , 10, 2864	O
230	Type 2 diabetes and bone fragility in children and adults. 13, 900-911	O
229	The efficacy of chemotherapy is limited by intratumoural senescent cells that persist through the upregulation of PD-L2.	O
228	Association of Biological Age with Tumor Microenvironment in Patients with Esophageal Adenocarcinoma.	O
227	H2S contributed from CSE during cellular senescence suppresses inflammation and nitrosative stress. <b>2022</b> , 119388	O
226	Oxidative degradation of dihydrofolate reductase increases CD38-mediated ferroptosis susceptibility. <b>2022</b> , 13,	1
225	A focused natural compound screen reveals senolytic and senostatic effects of Isatis tinctoria. 1-8	O
224	Thymic stromal lymphopoietin-stimulated CD4+ T cells induce senescence in advanced breast cancer. 10,	О
223	Age-induced prostaglandin E2 impairs mitochondrial fitness and increases mortality to influenza infection. <b>2022</b> , 13,	O

222	Ependymal cells and neurodegenerative disease: outcomes of compromised ependymal barrier function.	О
221	Senescent endometrial stromal cells transmit reactive oxygen species to the trophoblast-like cells and impair spreading of blastocyst-like spheroids.	O
220	Which Factors Influence Healthy Aging? A Lesson from the Longevity Village of Bama in China. $\bf 2022$ , $\bf 0$	0
219	PD-1, a New Player in Podocyte Age-Related Senescence. <b>2022</b> ,	O
218	Tissue factor links inflammation, thrombosis, and senescence in COVID-19. <b>2022</b> , 12,	1
217	Therapy-induced senescence upregulates antigen presentation machinery and triggers anti-tumor immunity in Acute Myeloid Leukemia.	1
216	Aging tumour cells to cure cancer: pro-senescenceItherapy for cancer. 2017, 147, w14367	4
215	Cancer-Associated Fibroblasts and Their Role in Cancer Progression. 2022,	O
214	Senescent cells and SASP in cancer microenvironment: New approaches in cancer therapy. 2022,	О
213	Combination of palbociclib with navitoclax based-therapies enhances in vivo antitumoral activity in triple-negative breast cancer. <b>2023</b> , 187, 106628	O
212	Amazing roles of extrachromosomal DNA in cancer progression. <b>2023</b> , 1878, 188843	1
211	N-acetylcysteine delayed cadmium-induced chronic kidney injury by activating the sirtuin 1 <b>P</b> 53 signaling pathway. <b>2023</b> , 369, 110299	O
<b>2</b> 10	Immunosenescence and inflamm-ageing in COVID-19. <b>2023</b> , 84, 101818	1
209	Cellular senescence marker p16INK4a and NFKB1 gene polymorphisms in lower gastro-intestinal acute graft versus host disease. <b>2023</b> , 76, 101768	O
208	Emerging role of aging in the progression of NAFLD to HCC. <b>2023</b> , 84, 101833	2
207	Бе Role of Senescence in NASH-Related HCC. <b>2022</b> ,	O
206	Quantification of beta-galactosidase activity as a marker of radiation-driven cellular senescence. <b>2022</b> ,	O
205	Dynamic and scalable assessment of the senescence-associated secretory phenotype (SASP). <b>2022</b> ,	O

204	Inflammaging: Implications in Sarcopenia. <b>2022</b> , 23, 15039	O
203	The DARC Side of Inflamm-Aging: Duffy Antigen Receptor for Chemokines (DARC/ACKR1) as a Potential Biomarker of Aging, Immunosenescence, and Breast Oncogenesis among High-Risk Subpopulations. <b>2022</b> , 11, 3818	O
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201	cFLIP suppression and DR5 activation sensitize senescent cancer cells to senolysis. <b>2022</b> , 3, 1284-1299	Ο
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199	Preconditioned Mesenchymal Stromal Cell-Derived Extracellular Vesicles (EVs) Counteract Inflammaging. <b>2022</b> , 11, 3695	O
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197	Post-Inflammatory Hyperpigmentation in Dark Skin: Molecular Mechanism and Skincare Implications. Volume 15, 2555-2565	O
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195	Molecular and cellular similarities in the brain of SARS-CoV-2 and Alzheimer∃ disease individuals.	O
194	Cell-cell interactions that drive tumorigenesis in Drosophila. 2022, 16, 367-381	1
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191	Ten Years of CRISPRing Cancers In Vitro. <b>2022</b> , 14, 5746	O
190	Comprehensive Analysis Uncovers Prognostic and Immunogenic Characteristics of Cellular Senescence for Gliomas.	0
189	Cell Cycle and Senescence Regulation by Podocyte Histone Deacetylase 1 and 2. ASN.2022050598	O
188	Role of the Hypoxic-Secretome in Seed and Soil Metastatic Preparation. <b>2022</b> , 14, 5930	O
187	Biological and clinical review of IORT-induced wound fluid in breast cancer patients. 12,	O

186	cGAS in nucleus: The link between immune response and DNA damage repair. 13,	O
185	Glycyrrhizic Acid Inhibits Myeloid Differentiation of Hematopoietic Stem Cells by binding S100 Calcium Binding Protein A8 to Improve Cognition in Aged Mice.	O
184	Involvement of miRNA-34a regulated Krppel-like factor 4 expression in hyperoxia-induced senescence in lung epithelial cells. <b>2022</b> , 23,	0
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182	Role of autophagy in lung diseases and ageing. <b>2022</b> , 31, 220134	1
181	Comprehensive Analysis of Cellular Senescence-Related Genes in Prognosis, Molecular Characterization and Immunotherapy of Hepatocellular Carcinoma. <b>2022</b> , 24,	Ο
180	Senescent cells suppress macrophage-mediated corpse removal via upregulation of the CD47-QPCT/L axis. <b>2023</b> , 222,	1
179	Development of the Peritoneal Metastasis: A Review of Back-Grounds, Mechanisms, Treatments and Prospects. <b>2023</b> , 12, 103	1
178	Nicotinamide and calcipotriol counteract UVB-induced photoaging on primary human dermal fibroblasts. <b>2022</b> , 12, 100158	O
177	Senolytic Therapy: A Potential Approach for the Elimination of Oncogene-Induced Senescent HPV-Positive Cells. <b>2022</b> , 23, 15512	Ο
176	Testosterone attenuates senile cavernous fibrosis by regulating TGF $R1$ and galectin-1 signaling pathways through miR-22-3p.	O
175	Cellular senescence in cancer: clinical detection and prognostic implications. <b>2022</b> , 41,	1
174	Cardiac Mesenchymal Stem Cell-like Cells Derived from a Young Patient with Bicuspid Aortic Valve Disease Have a Prematurely Aged Phenotype. <b>2022</b> , 10, 3143	O
173	Autophagy inhibition signals through senescence to promote tumor suppression. 1-17	Ο
172	Mechanisms of RNA and Protein Quality Control and Their Roles in Cellular Senescence and Age-Related Diseases. <b>2022</b> , 11, 4062	1
171	The Relationship between Reactive Oxygen Species and the cGAS/STING Signaling Pathway in the Inflammaging Process. <b>2022</b> , 23, 15182	O
170	Identification of Hotspots in Synthetic Peptide Inhibitors of the FOXO4:p53 Interaction.	O
169	Extracellular Vesicles as Drug Targets and Delivery Vehicles for Cancer Therapy. <b>2022</b> , 14, 2822	1

168	Cannabidiol-induced transcriptomic changes and cellular senescence in human Sertoli cells.	1
167	Multiple myeloma, a quintessential malignant disease of aging: a geroscience perspective on pathogenesis and treatment.	O
166	Current Understanding of the Role of Senescent Melanocytes in Skin Ageing. 2022, 10, 3111	О
165	Heterogeneity of fibroblasts is a Hallmark of age-associated erectile dysfunction. <b>2022</b> , 106343	O
164	Pyroptosis in Alzheimer disease: cell type-specific activation in microglia, astrocytes and neurons.	О
163	Reverse causal relationship between periodontitis and shortened telomere length: Bidirectional two-sample Mendelian random analysis. 13,	O
162	Minoxidil Regulates Aging-Like Phenotypes in Rat Cortical Astrocytes In Vitro . 2022,	0
161	Improved delineation of colorectal cancer molecular subtypes and functional profiles with a 62-gene panel.	O
160	Increased post-mitotic senescence in aged human neurons is a pathological feature of Alzheimer disease. <b>2022</b> , 29, 1637-1652.e6	1
159	Improving the effectiveness of anti-aging modalities by using the constrained disorder principle-based management algorithms. 3,	O
158	Juvenile zebrafish (Danio rerio) are able to recover from lordosis. 2022, 12,	1
157	Biomarkers of mitochondrial dysfunction and inflammaging in older adults and blood pressure variability.	1
156	The Aging-Cancer Cycle: Mechanisms and Opportunities for Intervention.	0
155	Highly concentrated trehalose induces prohealing senescence-like state in fibroblasts via CDKN1A/p21. <b>2023</b> , 6,	O
154	The epigenetic regulation of cancer cell recovery from therapy exposure and its implications as a novel therapeutic strategy for preventing disease recurrence. <b>2023</b> ,	О
153	Liquid biopsy for monitoring of tumor dormancy and early detection of disease recurrence in solid tumors.	1
152	Clearance of p16Ink4a-positive cells in a mouse transgenic model does not change æell mass and has limited effects on their proliferative capacity.	О
151	Infektionskrankheiten. <b>2022</b> , 763-894	0

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149	Separate and combined effects of advanced age and obesity on mammary adipose inflammation, immunosuppression and tumor progression in mouse models of triple negative breast cancer. 12,	O
148	When aging gets on the way of disposal: Senescent cell suppression of efferocytosis. 2023, 222,	0
147	Atractylenolide III suppresses senescence-associated secretome via inhibiting cGAS / NF-B pathway in hepatic stellate cells.	O
146	Contribution of Extracellular Vesicles and Molecular Chaperones in Age-Related Neurodegenerative Disorders of the CNS. <b>2023</b> , 24, 927	0
145	Senescent cells deposit intracellular contents through adhesion-dependent fragmentation.	0
144	The Potent and Paradoxical Biology of Cellular Senescence in Cancer. 2023, 7,	0
143	IL-1 and senescence: Friends and foe of EGFR neutralization and immunotherapy. 10,	O
142	Stromal niche inflammation mediated by IL-1 signalling is a targetable driver of haematopoietic ageing.	0
141	Mesenchymal stromal cell senescence in haematological malignancies.	O
140	Neonatal imprinting of alveolar macrophages via neutrophil-derived 12-HETE.	O
139	Melanoma Cell Reprogramming and Awakening of Antitumor Immunity as a Fingerprint of Hyper-Harmonized Hydroxylated Fullerene Water Complex (3HFWC) and Hyperpolarized Light Application In Vivo. <b>2023</b> , 13, 372	O
138	Radiation-induced senescence: therapeutic opportunities. <b>2023</b> , 18,	0
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135	A Cross-talk between Sestrins, Chronic Inflammation and Cellular Senescence Governs the Development of Age-associated Sarcopenia and Obesity. <b>2023</b> , 101852	O
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133	Perinatal mesenchymal stromal cells of the human decidua restore continence in rats with stress urinary incontinence induced by simulated birth trauma and regulate senescence of fibroblasts from women with stress urinary incontinence. 10,	O

132	The expression of fibrosis-related genes is elevated in doxorubicin-induced senescent human dermal fibroblasts, but their secretome does not trigger a paracrine fibrotic response in non-senescent cells.	1
131	Senescent cardiac fibroblasts: A key role in cardiac fibrosis. <b>2023</b> , 166642	O
130	Damage-induced senescent immune cells regulate regeneration of the zebrafish retina.	О
129	Cellular Senescence and Ageing. <b>2023</b> , 139-173	Ο
128	Transcriptional landscape of oncogene-induced senescence: A machine learning based meta analytic approach. <b>2023</b> , 85, 101849	O
127	Relationship between periodontal disease and vitamin D. <b>2022</b> , 3, 381-385	Ο
126	Critical Role of Cathepsin L/V in Regulating Endothelial Cell Senescence. <b>2023</b> , 12, 42	Ο
125	Cellular Senescence in Hepatocellular Carcinoma: The Passenger or the Driver?. <b>2023</b> , 12, 132	Ο
124	Cancer-Associated Fibroblast Heterogeneity, Activation and Function: Implications for Prostate Cancer. <b>2023</b> , 13, 67	1
123	Activation and Metabolic Shifting: An Essential Process to Mesenchymal Stromal Cells Function.	O
122	Senescence of cortical neurons following persistent DNA double-strand breaks induces cerebrovascular lesions.	O
121	Insights into the role of senescence in tumor dormancy: mechanisms and applications.	O
120	Platelet response to influenza vaccination reflects effects of aging.	O
119	Cellular senescence in malignant cells promotes tumor progression in mouse and patient Glioblastoma. <b>2023</b> , 14,	O
118	Peripheral blood monocyte status is a predictor for judging occurrence and development on sepsis in older adult population: a case control study. <b>2023</b> , 23,	O
117	Hepatic ribosomal protein S6 (Rps6) insufficiency results in failed bile duct development and loss of hepatocyte viability; a ribosomopathy-like phenotype that is partially p53-dependent. <b>2023</b> , 19, e1010595	O
116	Genomic instability caused by Arp2/3 complex inactivation results in micronucleus biogenesis and cellular senescence. <b>2023</b> , 19, e1010045	О
115	Cellular senescence affects energy metabolism, immune infiltration and immunotherapeutic response in hepatocellular carcinoma. <b>2023</b> , 13,	O

114	Mechanic Insight into the Distinct and Common Roles of Ovariectomy Versus Adrenalectomy on Adipose Tissue Remodeling in Female Mice. <b>2023</b> , 24, 2308	0
113	The variant senescence-associated secretory phenotype induced by centrosome amplification constitutes a pathway that activates hypoxia-inducible factor -1 $\Box$	O
112	Microbial Translocation Disorders: Assigning an Etiology to Idiopathic Illnesses. 2023, 3, 212-240	0
111	Autophagy as a Promising Therapeutic Target in Age-Associated Neurodegenerative Disorders. <b>2023</b> , 41-56	O
110	Melanocortin therapies to resolve fibroblast-mediated diseases. 13,	O
109	Repurpose dasatinib and quercetin: Targeting senescent cells ameliorates postmenopausal osteoporosis and rejuvenates bone regeneration. <b>2023</b> , 25, 13-28	O
108	Immune Checkpoint Inhibition and Radiotherapy in Head and Neck Squamous Cell Carcinoma: Synergisms and Resistance Mechanisms. <b>2023</b> , 11-21	O
107	Vitamin D as a Shield against Aging. <b>2023</b> , 24, 4546	O
106	Hypoxia-Inducible Factor-2 Bignaling in the Skeletal System. <b>2023</b> , 7,	1
105	Standard of care drugs do not modulate activity of senescent primary human lung fibroblasts. <b>2023</b> , 13,	O
104	TGF-¶n the microenvironment induces a physiologically occurring immune-suppressive senescent state. <b>2023</b> , 42, 112129	0
103	Participation of ATM, SMG1, and DDX5 in a DNA Damage-Induced Alternative Splicing Pathway. <b>2023</b> , 199,	O
102	DoxorubicinMediated miRIA33 Expression on Exosomes Promotes Bystander Senescence in Multiple Myeloma Cells in a DDRIhdependent Manner. <b>2023</b> , 24, 6862	0
101	Oxylipin-PPAREInitiated adipocyte senescence propagates secondary senescence in the bone marrow. <b>2023</b> , 35, 667-684.e6	O
100	A Selective ALDH1A3 Inhibitor Impairs Mesothelioma 3-D Multicellular Spheroid Growth and Neutrophil Recruitment. <b>2023</b> , 24, 6689	0
99	Fusobacterium nucleatum promotes esophageal squamous cell carcinoma progression and chemoresistance by enhancing the secretion of chemotherapy-induced senescence-associated secretory phenotype via activation of DNA damage response pathway. <b>2023</b> , 15,	O
98	Links between telomere dysfunction and hallmarks of aging. <b>2023</b> , 888, 503617	O
97	Dynamics of cellular senescence markers after HCV elimination spontaneously or by DAAs in people living with HIV. <b>2023</b> , 162, 114664	O

96	An unbiased proteomics approach to identify the senescence-associated secretory phenotype of human bone marrow-derived mesenchymal stem cells. <b>2023</b> , 18, 101674	О
95	Quercetin alleviates atherosclerosis by suppressing oxidized LDL-induced senescence in plaque macrophage via inhibiting the p38MAPK/p16 pathway. <b>2023</b> , 116, 109314	О
94	A senolytic immunotoxin eliminates p16-positive T cells and ameliorates age-associated phenotypes of CD4+ T cells in a surface marker knock-in mouse. <b>2023</b> , 174, 112130	0
93	Single-nucleus profiling identifies accelerated oligodendrocyte precursor cell senescence in a mouse model of Down Syndrome.	O
92	Aging-related genes related to the prognosis and the immune microenvironment of acute myeloid leukemia.	О
91	Epigenetic Mechanisms of Aging and Aging-Associated Diseases. <b>2023</b> , 12, 1163	О
90	Impact of radiation therapy on healthy tissues. <b>2023</b> , 69-98	О
89	Modulatory Effect of Fermented Black Soybean and Adlay on Gut Microbiota Contributes to Healthy Aging. <b>2023</b> , 67, 2200700	О
88	Repurposing digoxin for geroprotection in patients with frailty and multimorbidity. 2023, 86, 101860	О
87	p15INK4B is an alternative marker of senescent tumor cells in colorectal cancer. <b>2023</b> , 9, e13170	О
86	NRF2 Activation Reprograms Defects in Oxidative Metabolism to Restore Macrophage Function in Chronic Obstructive Pulmonary Disease. <b>2023</b> , 207, 998-1011	О
85	Age-associated declining of the regeneration potential of skeletal stem/progenitor cells. 14,	О
84	A genomic perspective of the aging human and mouse lung with a focus on immune response and cellular senescence.	О
83	Could senescence phenotypes strike the balance to promote tumor dormancy?. <b>2023</b> , 42, 143-160	О
82	Intestinal Epithelial Cells Adapt to Chronic Inflammation through Partial Genetic Reprogramming. <b>2023</b> , 15, 973	О
81	Human Xylosyltransferase IAn Important Linker between Acute Senescence and Fibrogenesis. <b>2023</b> , 11, 460	O
80	Heterogenous Differences in Cellular Senescent Phenotypes in Pre-Eclampsia and IUGR following Quantitative Assessment of Multiple Biomarkers of Senescence. <b>2023</b> , 24, 3101	О
79	Extracellular Vesicles in Aging: An Emerging Hallmark?. <b>2023</b> , 12, 527	O

78	Selective ablation of primary and paracrine senescent cells by targeting iron dyshomeostasis. <b>2023</b> , 42, 112058	O
77	Long-term platinum-based drug accumulation in cancer-associated fibroblasts promotes colorectal cancer progression and resistance to therapy. <b>2023</b> , 14,	O
76	Radiation-induced pulmonary fibrosis: roles of therapy-induced senescence and microRNAs. 1-10	O
75	Hallmarks and Biomarkers of Skin Senescence: An Updated Review of Skin Senotherapeutics. <b>2023</b> , 12, 444	O
74	C9orf72poly(PR) mediated neurodegeneration is associated with nucleolar stress.	0
73	Molecular signatures distinguish senescent cells from inflammatory cells in aged mouse callus stromal cells. 14,	O
72	Identification and Characterization of an Ageing-Associated 13-lncRNA Signature That Predicts Prognosis and Immunotherapy in Hepatocellular Carcinoma. <b>2023</b> , 2023, 1-22	О
71	A role for fibroblast-derived SASP factors in the activation of pyroptotic cell death in mammary epithelial cells.	O
70	STAT3 inhibitor Stattic and its analogues inhibit STAT3 phosphorylation and modulate cytokine secretion in senescent tumour cells. <b>2023</b> , 27,	0
69	Characteristics of circulating small noncoding RNAs in plasma and serum during human aging. <b>2023</b> , 6, 35-48	0
68	Senescence-associated exosomes transfer miRNA-induced fibrosis to neighboring cells.	O
67	DNA damage, nucleolar stress and dysregulated energy metabolism as mechanisms of multimorbidity.	O
66	Substantial Downregulation of Mitochondrial and Peroxisomal Proteins during Acute Kidney Injury revealed by Data-Independent Acquisition Proteomics.	0
65	Remission of insomnia in older adults treated with cognitive behavioral therapy for insomnia (CBT-I) reduces p16INK4a gene expression in peripheral blood: secondary outcome analysis from a randomized clinical trial.	O
64	Integration of skin phenome and microbiome reveals the [key role of bacteria in human skin aging.	0
63	Lysosomal control of senescence and inflammation through cholesterol partitioning. <b>2023</b> , 5, 398-413	О
62	Tumor senescence leads to poor survival and therapeutic resistance in human breast cancer. 13,	0
61	Seminoma subtypes differ in the organization and functional state of the immune microenvironment. <b>2023</b> , 13,	0

60	Apolipoprotein E induces pathogenic senescent-like myeloid cells in prostate cancer. 2023, 41, 602-619.e11	O
59	Fibroblast heterogeneity: Keystone of tissue homeostasis and pathology in inflammation and ageing. 14,	O
58	Inhibition of protein kinase C delta leads to cellular senescence to induce anti-tumor effects in colorectal cancer.	O
57	Aging Hallmarks and the Role of Oxidative Stress. <b>2023</b> , 12, 651	O
56	cGAS-STING pathway as a potential trigger of immunosenescence and inflammaging. 14,	O
55	Senescent Secretome of Blind Mole Rat Spalax Inhibits Malignant Behavior of Human Breast Cancer Cells Triggering Bystander Senescence and Targeting Inflammatory Response. <b>2023</b> , 24, 5132	1
54	DNA Repair Deficiency Regulates Immunity Response in Cancers: Molecular Mechanism and Approaches for Combining Immunotherapy. <b>2023</b> , 15, 1619	0
53	Vitamin D, Cellular Senescence and Chronic Kidney Diseases: What Is Missing in the Equation?. <b>2023</b> , 15, 1349	O
52	The role of sirtuins in dermal fibroblast function. 10,	О
51	Senescence during early differentiation reduced chondrogenic differentiation capacity of mesenchymal progenitor cells.	O
50	The Emerging Role of Accelerated Cellular Senescence in Periodontitis. 002203452311545	О
49	Reduced Fibroblast Activation on Electrospun Polycaprolactone Scaffolds. <b>2023</b> , 10, 348	O
48	The roles of bone remodeling in normal hematopoiesis and age-related hematological malignancies. <b>2023</b> , 11,	О
47	MAPKs in the early steps of senescence implemEMTation. 11,	O
46	Heterochronic parabiosis reprograms the mouse brain transcriptome by shifting aging signatures in multiple cell types. <b>2023</b> , 3, 327-345	О
45	Emerging Therapeutic Approaches to Target the Dark Side of Senescent Cells: New Hopes to Treat Aging as a Disease and to Delay Age-Related Pathologies. <b>2023</b> , 12, 915	O
44	Reprogramming of tissue metabolism during cancer metastasis. 2023,	О
43	Inappropriate Expression of PD-1 and CTLA-4 Checkpoints in Myeloma Patients Is More Pronounced at Diagnosis: Implications for Time to Progression and Response to Therapeutic Checkpoint Inhibitors. <b>2023</b> , 24, 5730	O

42	Novel Aspects of the Immune Response Involved in the Peritoneal Damage in Chronic Kidney Disease Patients under Dialysis. <b>2023</b> , 24, 5763	О
41	Hematopoietic Stem Cells and the Immune System in Development and Aging. <b>2023</b> , 24, 5862	1
40	On frailty and accelerated aging during SARS-Cov-2: senescence. <b>2023</b> , 35, 907-912	О
39	Detection of Cellular Senescence Reveals the Existence of Senescent Tumor Cells within Invasive Breast Carcinomas and Related Metastases. <b>2023</b> , 15, 1860	O
38	Thermogenic adipose tissue in energy regulation and metabolic health. 14,	О
37	The intensities of canonical senescence biomarkers integrate the duration of cell-cycle withdrawal.	O
36	DNA methylation abnormalities induced by advanced maternal age in villi prime a high-risk state for spontaneous abortion. <b>2023</b> , 15,	О
35	Aging microenvironment and antitumor immunity for geriatric oncology: the landscape and future implications. <b>2023</b> , 16,	О
34	Editorial: Cellular senescence in physiology and pathophysiology. 14,	О
33	Endothelial Senescence in Neurological Diseases. <b>2023</b> , 0	O
32	A New Landscape of Human Dental Aging: Causes, Consequences, and Intervention Avenues. <b>2022</b> , 0	О
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23	DNA Damage-Mediated Neurotoxicity in Parkinson Disease. <b>2023</b> , 24, 6313	О
22	Mesenchymal Stromal Cells as a Driver of Inflammaging. <b>2023</b> , 24, 6372	О
21	Introducing aesthetic regenerative scaffolds: An immunological perspective. <b>2023</b> , 22, 8-14	О
20	p21 facilitates chronic lung inflammation via epithelial and endothelial cells. <b>2023</b> , 15, 2395-2417	O
19	Hypertension and cellular senescence.	О
18	P53 negatively regulates the osteogenic differentiation in jaw bone marrow MSCs derived from diabetic osteoporosis. <b>2023</b> , 9, e15188	О
17	Spurious intragenic transcription is a feature of mammalian cellular senescence and tissue aging. <b>2023</b> , 3, 402-417	О
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15	Necrocide 1 mediates necrotic cell death and immunogenic response in human cancer cells. <b>2023</b> , 14,	О
14	Mitochondria-associated cellular senescence mechanisms: Biochemical and pharmacological perspectives. <b>2023</b> ,	О
13	Biomarkers of cellular senescence in idiopathic pulmonary fibrosis. <b>2023</b> , 24,	О
12	Senescence triggers intracellular acidification and lysosomal alkalinization via ATP6AP2 attenuation in breast cancer cells.	О
11	Senescent cardiomyocytes contribute to cardiac dysfunction following myocardial infarction	О
10	Hallmarks of an Aging and Malignant Tumor Microenvironment and the Rise of Resilient Cell Subpopulations. <b>2023</b> , 113-137	О
9	Hypoxia and Senescence: Role of Oxygen in Modulation of Tumor Suppression. 2023, 89-117	О
8	Senescence-specific translation dysregulation desensitizes cells to stress by inhibiting activation of the integrated stress response.	О
7	Reprogramming of lipid secretome in senescent synovial fibroblasts ameliorate osteoarthritis development.	О

6	Chronic consumption of a hypercaloric diet increases neuroinflammation and brain senescence, promoting cognitive decline in middle-aged female Wistar rats. 15,	О
5	Aging microglia. <b>2023</b> , 80,	О
4	A chronic wound model to investigate skin cellular senescence.	O
3	Targeting the microbiota-mitochondria crosstalk in neurodegeneration with senotherapeutics. <b>2023</b> ,	O
2	Integrating Network Pharmacology and Experimental Validation to Explore the Pharmacological Mechanism of Astragaloside IV in Treating Bleomycin-Induced Pulmonary Fibrosis. Volume 17, 1289-1302	0
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