Paul D Robbins

List of Publications by Year in Descending Order

112 papers	9,322 citations	45 h-index	96 g-index
118 ext. papers	12,254 ext. citations	9.1 avg, IF	5.98 L-index

#	Paper	IF	Citations
112	Targeting Cellular Senescence with Senotherapeutics: Senolytics and Senomorphics.. *FEBS Journal*, **2022**,	5.7	10
111	Targeted clearance of p21- but not p16-positive senescent cells prevents radiation-induced osteoporosis and increased marrow adiposity.. *Aging Cell*, **2022**, e13602	9.9	3
110	Novel small molecule inhibition of IKK/NF-Β activation reduces markers of senescence and improves healthspan in mouse models of aging. *Aging Cell*, **2021**, e13486	9.9	4
109	miR-146a-5p modulates cellular senescence and apoptosis in visceral adipose tissue of long-lived Ames dwarf mice and in cultured pre-adipocytes. *GeroScience*, **2021**, 1	8.9	1
108	Recent advances in the discovery of senolytics. *Mechanisms of Ageing and Development*, **2021**, 200, 111587	5.6	4
107	Mesenchymal stem cell-derived extracellular vesicles reduce senescence and extend health span in mouse models of aging. *Aging Cell*, **2021**, 20, e13337	9.9	19
106	Intersection of immunometabolism and immunosenescence during aging. *Current Opinion in Pharmacology*, **2021**, 57, 107-116	5.1	5
105	An aged immune system drives senescence and ageing of solid organs. *Nature*, **2021**, 594, 100-105	50.4	72
104	Senolytics reduce coronavirus-related mortality in old mice. *Science*, **2021**, 373,	33.3	60
103	Genetic signature of human longevity in PKC and NF-Β signaling. *Aging Cell*, **2021**, 20, e13362	9.9	2
102	Senolytic Drugs: Reducing Senescent Cell Viability to Extend Health Span. *Annual Review of Pharmacology and Toxicology*, **2021**, 61, 779-803	17.9	52
101	Senolytic Combination of Dasatinib and Quercetin Alleviates Intestinal Senescence and Inflammation and Modulates the Gut Microbiome in Aged Mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2021**, 76, 1895-1905	6.4	34
100	Role of Cellular Senescence in Type II Diabetes. *Endocrinology*, **2021**, 162,	4.8	3
99	Fisetin for COVID-19 in skilled nursing facilities: Senolytic trials in the COVID era. *Journal of the American Geriatrics Society*, **2021**, 69, 3023-3033	5.6	9
98	Orthopaedic Gene Therapy: Twenty-Five Years On. *JBJS Reviews*, **2021**, 9,	2.6	3
97	Rare genetic coding variants associated with human longevity and protection against age-related diseases. *Nature Aging*, **2021**, 1, 783-794		4
96	SARS-CoV-2 causes senescence in human cells and exacerbates the senescence-associated secretory phenotype through TLR-3. *Aging*, **2021**, 13, 21838-21854	5.6	4

95	DNA damage-how and why we age?. *ELife*, **2021**, 10,	8.9	38
94	Attenuation of ataxia telangiectasia mutated signalling mitigates age-associated intervertebral disc degeneration. *Aging Cell*, **2020**, 19, e13162	9.9	6
93	Tissue specificity of senescent cell accumulation during physiologic and accelerated aging of mice. *Aging Cell*, **2020**, 19, e13094	9.9	69
92	ATM is a key driver of NF-B-dependent DNA-damage-induced senescence, stem cell dysfunction and aging. *Aging*, **2020**, 12, 4688-4710	5.6	26
91	Influences of circulatory factors on intervertebral disc aging phenotype. *Aging*, **2020**, 12, 12285-12304	5.6	3
90	The Ercc mouse model of accelerated senescence and aging for identification and testing of novel senotherapeutic interventions. *Aging*, **2020**, 12, 24481-24483	5.6	2
89	Urinary Extracellular Vesicles Carrying Klotho Improve the Recovery of Renal Function in an Acute Tubular Injury Model. *Molecular Therapy*, **2020**, 28, 490-502	11.7	36
88	Cytoskeleton stiffness regulates cellular senescence and innate immune response in Hutchinson-Gilford Progeria Syndrome. *Aging Cell*, **2020**, 19, e13152	9.9	16
87	Genetics of extreme human longevity to guide drug discovery for healthy ageing. *Nature Metabolism*, **2020**, 2, 663-672	14.6	9
86	Heterochronic parabiosis regulates the extent of cellular senescence in multiple tissues. *GeroScience*, **2020**, 42, 951-961	8.9	16
85	Adenoviral gene transfer of a single-chain IL-23 induces psoriatic arthritis-like symptoms in NOD mice. *FASEB Journal*, **2019**, 33, 9505-9515	0.9	4
84	Oxidative stress-induced senescence markedly increases disc cell bioenergetics. *Mechanisms of Ageing and Development*, **2019**, 180, 97-106	5.6	10
83	Systemic clearance of p16 -positive senescent cells mitigates age-associated intervertebral disc degeneration. *Aging Cell*, **2019**, 18, e12927	9.9	62
82	Signal Transduction, Ageing and Disease. *Sub-Cellular Biochemistry*, **2019**, 91, 227-247	5.5	17
81	Murine models of accelerated aging and musculoskeletal disease. *Bone*, **2019**, 125, 122-127	4.7	7
80	Rapamycin Rescues Age-Related Changes in Muscle-Derived Stem/Progenitor Cells from Progeroid Mice. *Molecular Therapy - Methods and Clinical Development*, **2019**, 14, 64-76	6.4	23
79	Fibrates as drugs with senolytic and autophagic activity for osteoarthritis therapy. *EBioMedicine*, **2019**, 45, 588-605	8.8	45
78	Creating the Next Generation of Translational Geroscientists. *Journal of the American Geriatrics Society*, **2019**, 67, 1934-1939	5.6	7

77	SA-β-Galactosidase-Based Screening Assay for the Identification of Senotherapeutic Drugs. *Journal of Visualized Experiments*, **2019**,	1.6	6
76	Cellular Senescence: Defining a Path Forward. *Cell*, **2019**, 179, 813-827	56.2	646
75	Measuring biological age in mice using differential mass spectrometry. *Aging*, **2019**, 11, 1045-1061	5.6	5
74	Mouse Models of Accelerated Cellular Senescence. *Methods in Molecular Biology*, **2019**, 1896, 203-230	1.4	14
73	Methods to Quantify the NF-κB Pathway During Senescence. *Methods in Molecular Biology*, **2019**, 1896, 231-250	1.4	7
72	Senotherapeutics for healthy ageing. *Nature Reviews Drug Discovery*, **2018**, 17, 377	64.1	64
71	Spontaneous DNA damage to the nuclear genome promotes senescence, redox imbalance and aging. *Redox Biology*, **2018**, 17, 259-273	11.3	60
70	Circulating levels of monocyte chemoattractant protein-1 as a potential measure of biological age in mice and frailty in humans. *Aging Cell*, **2018**, 17, e12706	9.9	48
69	Dysregulation of DAF-16/FOXO3A-mediated stress responses accelerates oxidative DNA damage induced aging. *Redox Biology*, **2018**, 18, 191-199	11.3	24
68	Treating Age-Related Diseases with Somatic Stem Cells. *Advances in Experimental Medicine and Biology*, **2018**, 1056, 29-45	3.6	5
67	Arthritis gene therapy is becoming a reality. *Nature Reviews Rheumatology*, **2018**, 14, 381-382	8.1	23
66	Hsp90 inhibitors as senolytic drugs to extend healthy aging. *Cell Cycle*, **2018**, 17, 1048-1055	4.7	35
65	Nuclear Genomic Instability and Aging. *Annual Review of Biochemistry*, **2018**, 87, 295-322	29.1	98
64	Development of novel NEMO-binding domain mimetics for inhibiting IKK/NF-κB activation. *PLoS Biology*, **2018**, 16, e2004663	9.7	22
63	Senolytics improve physical function and increase lifespan in old age. *Nature Medicine*, **2018**, 24, 1246-1256	30.5	776
62	Gene Delivery to Joints by Intra-Articular Injection. *Human Gene Therapy*, **2018**, 29, 2-14	4.8	54
61	Development of Clinical Trials to Extend Healthy Lifespan. *Cardiovascular Endocrinology and Metabolism*, **2018**, 7, 80-83	2.5	35
60	Fisetin is a senotherapeutic that extends health and lifespan. *EBioMedicine*, **2018**, 36, 18-28	8.8	298

59	Cellular senescence in intervertebral disc aging and degeneration. *Current Molecular Biology Reports*, **2018**, 4, 180-190	2	30
58	Quantitative Analysis of Cellular Senescence in Culture and In Vivo. *Current Protocols in Cytometry*, **2017**, 79, 9.51.1-9.51.25	3.6	10
57	Cellular senescence mediates fibrotic pulmonary disease. *Nature Communications*, **2017**, 8, 14532	17.4	616
56	The Clinical Potential of Senolytic Drugs. *Journal of the American Geriatrics Society*, **2017**, 65, 2297-2301	5.6	290
55	Extracellular vesicles and aging. *Stem Cell Investigation*, **2017**, 4, 98	5.1	43
54	Senescent intervertebral disc cells exhibit perturbed matrix homeostasis phenotype. *Mechanisms of Ageing and Development*, **2017**, 166, 16-23	5.6	19
53	Identification of HSP90 inhibitors as a novel class of senolytics. *Nature Communications*, **2017**, 8, 422	17.4	312
52	New agents that target senescent cells: the flavone, fisetin, and the BCL-X inhibitors, A1331852 and A1155463. *Aging*, **2017**, 9, 955-963	5.6	286
51	Identification of a novel senolytic agent, navitoclax, targeting the Bcl-2 family of anti-apoptotic factors. *Aging Cell*, **2016**, 15, 428-35	9.9	463
50	The AchillesRheel of senescent cells: from transcriptome to senolytic drugs. *Aging Cell*, **2015**, 14, 644-58	9.9	987
49	Pharmacologic IKK/NF-B inhibition causes antigen presenting cells to undergo TNF dependent ROS-mediated programmed cell death. *Scientific Reports*, **2014**, 4, 3631	4.9	22
48	Genotoxic stress accelerates age-associated degenerative changes in intervertebral discs. *Mechanisms of Ageing and Development*, **2013**, 134, 35-42	5.6	27
47	Muscle-derived stem/progenitor cell dysfunction limits healthspan and lifespan in a murine progeria model. *Nature Communications*, **2012**, 3, 608	17.4	148
46	The oxidative DNA lesions 8,5Rcyclopurines accumulate with aging in a tissue-specific manner. *Aging Cell*, **2012**, 11, 714-6	9.9	104
45	NF-B negatively impacts the myogenic potential of muscle-derived stem cells. *Molecular Therapy*, **2012**, 20, 661-8	11.7	52
44	NF-B inhibition delays DNA damage-induced senescence and aging in mice. *Journal of Clinical Investigation*, **2012**, 122, 2601-12	15.9	290
43	Suppression of Skeletal Muscle Inflammation by Muscle Stem Cells. *FASEB Journal*, **2012**, 26, 1034.8	0.9	
42	Strategies for the Rejuvenation of Aged Muscle Stem Cells. *FASEB Journal*, **2012**, 26, 914.3	0.9	

41	Systemic delivery of NEMO binding domain/IKK□nhibitory peptide to young mdx mice improves dystrophic skeletal muscle histopathology. *Neurobiology of Disease*, **2011**, 43, 598-608	7.5	40
40	Getting arthritis gene therapy into the clinic. *Nature Reviews Rheumatology*, **2011**, 7, 244-9	8.1	51
39	NF-B in Aging and Disease **2011**, 2, 449-65		140
38	Comparison of Functional Protein Transduction Domains Using the NEMO Binding Domain Peptide. *Pharmaceuticals*, **2010**, 3, 110-124	5.2	7
37	Gene Therapy for Autoimmune Disorders **2010**, 295-310		
36	Clinical responses to gene therapy in joints of two subjects with rheumatoid arthritis. *Human Gene Therapy*, **2009**, 20, 97-101	4.8	61
35	Arthritis gene therapy's first death. *Arthritis Research and Therapy*, **2008**, 10, 110	5.7	70
34	Broad cellular immunity with robust memory responses to simian immunodeficiency virus following serial vaccination with adenovirus 5- and 35-based vectors. *Journal of General Virology*, **2006**, 87, 139-149	4.9	34
33	Dual transduction of insulin-like growth factor-I and interleukin-1 receptor antagonist protein controls cartilage degradation in an osteoarthritic culture model. *Journal of Orthopaedic Research*, **2005**, 23, 118-26	3.8	73
32	Gene transfer to human joints: progress toward a gene therapy of arthritis. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 8698-703	11.5	163
31	HUMAN PERIPROSTHETIC TISSUES IMPLANTED IN SEVERE COMBINED IMMUNODEFICIENT MICE RESPOND TO GENE TRANSFER OF A CYTOKINE INHIBITOR. *Journal of Bone and Joint Surgery - Series A*, **2005**, 87, 1088-1097	5.6	3
30	The 2003 Nicolas Andry Award. Orthopaedic gene therapy. *Clinical Orthopaedics and Related Research*, **2004**, 316-29	2.2	58
29	Expression of a Soluble Transforming Growth Factor-□(TGF)□receptor reduces tumorigenicity by regulating natural killer (NK) cell activity against 9L gliosarcoma in vivo. *Journal of Neuro-Oncology*, **2003**, 64, 63-69	4.8	1
28	Gene mediated insulin-like growth factor-I delivery to the synovium. *Journal of Orthopaedic Research*, **2001**, 19, 759-67	3.8	30
27	Transfer of proalpha2(I) cDNA into cells of a murine model of human Osteogenesis Imperfecta restores synthesis of type I collagen comprised of alpha1(I) and alpha2(I) heterotrimers in vitro and in vivo. *Journal of Cellular Biochemistry*, **2001**, 83, 84-91	4.7	29
26	Effects of cytokine gene therapy on particulate-induced inflammation in the murine air pouch. *Inflammation*, **2001**, 25, 361-72	5.1	37
25	Interleukin 12 gene therapy of cancer by peritumoral injection of transduced autologous fibroblasts: outcome of a phase I study. *Human Gene Therapy*, **2001**, 12, 671-84	4.8	108
24	Gene therapy for rheumatoid arthritis. *Expert Opinion on Biological Therapy*, **2001**, 1, 971-8	5.4	13

23	Potential role of direct adenoviral gene transfer in enhancing fracture repair. *Clinical Orthopaedics and Related Research*, **2000**, S120-5	2.2	50
22	Adenoviral mediated delivery of FAS ligand to arthritic joints causes extensive apoptosis in the synovial lining. *Journal of Gene Medicine*, **2000**, 2, 210-9	3.5	54
21	Adenovirus-mediated gene transfer of insulin-like growth factor 1 stimulates proteoglycan synthesis in rabbit joints. *Arthritis and Rheumatism*, **2000**, 43, 2563-70		95
20	Increased matrix synthesis following adenoviral transfer of a transforming growth factor beta1 gene into articular chondrocytes. *Journal of Orthopaedic Research*, **2000**, 18, 585-92	3.8	92
19	Cyclin D1 suppresses retinoblastoma protein-mediated inhibition of TAFII250 kinase activity. *Oncogene*, **2000**, 19, 5703-11	9.2	18
18	Cyclin D1 associates with the TBP-associated factor TAF(II)250 to regulate Sp1-mediated transcription. *Oncogene*, **1999**, 18, 239-47	9.2	53
17	A gene therapy approach to accelerating bone healing. Evaluation of gene expression in a New Zealand white rabbit model. *Knee Surgery, Sports Traumatology, Arthroscopy*, **1999**, 7, 197-202	5.5	72
16	Dendritic cell-based genetic immunization in mice with a recombinant adenovirus encoding murine TRP2 induces effective anti-melanoma immunity. *Journal of Gene Medicine*, **1999**, 1, 400-6	3.5	61
15	Adenoviral transduction of human osteoblastic cell cultures: a new perspective for gene therapy of bone diseases. *Acta Orthopaedica*, **1999**, 70, 419-24		10
14	Modulation of the biologic activity of the rabbit intervertebral disc by gene therapy: an in vivo study of adenovirus-mediated transfer of the human transforming growth factor beta 1 encoding gene. *Spine*, **1999**, 24, 2419-25	3.3	285
13	Transfer of lacZ marker gene to the meniscus. *Journal of Bone and Joint Surgery - Series A*, **1999**, 81, 918-25	5.6	73
12	Dendritic cell-based genetic immunization in mice with a recombinant adenovirus encoding murine TRP2 induces effective anti-melanoma immunity **1999**, 1, 400		2
11	Dendritic cell-based genetic immunization in mice with a recombinant adenovirus encoding murine TRP2 induces effective anti-melanoma immunity **1999**, 1, 400		1
10	Dendritic cell-based genetic immunization in mice with a recombinant adenovirus encoding murine TRP2 induces effective anti-melanoma immunity **1999**, 1, 400		3
9	Gene therapy in sports medicine. *Sports Medicine*, **1998**, 25, 73-7	10.6	10
8	Adenovirus-mediated gene transfer to nucleus pulposus cells. Implications for the treatment of intervertebral disc degeneration. *Spine*, **1998**, 23, 2437-42; discussion 2443	3.3	137
7	Rb interacts with TAF(II)250/TFIID through multiple domains. *Oncogene*, **1997**, 15, 385-92	9.2	24
6	Ex vivo gene transfer to chondrocytes in full-thickness articular cartilage defects: a feasibility study. *Osteoarthritis and Cartilage*, **1997**, 5, 139-43	6.2	117

5	Gene transfer to the patellar tendon. *Knee Surgery, Sports Traumatology, Arthroscopy*, **1997**, 5, 118-23	5.5	36
4	Murine models of cancer cytokine gene therapy using interleukin-12. *Annals of the New York Academy of Sciences*, **1996**, 795, 275-83	6.5	32
3	Interleukin-1 receptor antagonist suppresses neurotrophin response in injured rat brain. *Annals of Neurology*, **1996**, 39, 123-7	9.4	99
2	Clinical trial to assess the safety, feasibility, and efficacy of transferring a potentially anti-arthritic cytokine gene to human joints with rheumatoid arthritis. *Human Gene Therapy*, **1996**, 7, 1261-80	4.8	217
1	Retinoblastoma gene product activates expression of the human TGF-beta 2 gene through transcription factor ATF-2. *Nature*, **1992**, 358, 331-4	50.4	250