Valery Krizhanovsky

List of Publications by Year in Descending Order

53 papers	8,759 citations	32 h-index	62 g-index
62 ext. papers	10,972 ext. citations	16.5 avg, IF	6.23 L-index

#	Paper	IF	Citations
53	Senolytic elimination of Cox2-expressing senescent cells inhibits the growth of premalignant pancreatic lesions. *Gut*, **2021**,	19.2	5
52	Cell Senescence, DNA Damage, and Metabolism. *Antioxidants and Redox Signaling*, **2021**, 34, 324-334	8.4	16
51	Natural killers of cognition. *Nature Neuroscience*, **2021**, 24, 2-4	25.5	2
50	Cellular senescence in ageing: from mechanisms to therapeutic opportunities. *Nature Reviews Molecular Cell Biology*, **2021**, 22, 75-95	48.7	191
49	The intricate nature of senescence in development and cell plasticity. *Seminars in Cancer Biology*, **2021**,	12.7	2
48	Breathe it in - Spotlight on senescence and regeneration in the lung. *Mechanisms of Ageing and Development*, **2021**, 199, 111550	5.6	0
47	The ECM path of senescence in aging: components and modifiers. *FEBS Journal*, **2020**, 287, 2636-2646	5.7	39
46	Pan-cancer single-cell RNA-seq identifies recurring programs of cellular heterogeneity. *Nature Genetics*, **2020**, 52, 1208-1218	36.3	63
45	Molecular pathways of senescence regulate placental structure and function. *EMBO Journal*, **2019**, 38, e100849	13	31
44	Cellular Senescence: Defining a Path Forward. *Cell*, **2019**, 179, 813-827	56.2	646
43	Senescent cell turnover slows with age providing an explanation for the Gompertz law. *Nature Communications*, **2019**, 10, 5495	17.4	51
42	A Multiparametric Assay to Evaluate Senescent Cells. *Methods in Molecular Biology*, **2019**, 1896, 107-117	1.4	4
41	Telomere Homeostasis and Senescence Markers Are Differently Expressed in Placentas From Pregnancies With Early- Versus Late-Onset Preeclampsia. *Reproductive Sciences*, **2019**, 26, 1203-1209	3	10
40	Transcriptional Heterogeneity of Beta Cells in the Intact Pancreas. *Developmental Cell*, **2019**, 48, 115-125.e4	10.2	40
39	Quantitative Identification of Senescent Cells in Cancer. *Methods in Molecular Biology*, **2019**, 1884, 259-267	1.4	1
38	p53 in Bronchial Club Cells Facilitates Chronic Lung Inflammation by Promoting Senescence. *Cell Reports*, **2018**, 22, 3468-3479	10.6	25
37	An oligoclonal antibody durably overcomes resistance of lung cancer to third-generation EGFR inhibitors. *EMBO Molecular Medicine*, **2018**, 10, 294-308	12	21

36	Senescence and Telomere Homeostasis Might Be Involved in Placenta Percreta-Preliminary Investigation. *Reproductive Sciences*, **2018**, 25, 1254-1260	3	4
35	Strategies targeting cellular senescence. *Journal of Clinical Investigation*, **2018**, 128, 1247-1254	15.9	102
34	Impaired immune surveillance accelerates accumulation of senescent cells and aging. *Nature Communications*, **2018**, 9, 5435	17.4	192
33	Quantitative identification of senescent cells in aging and disease. *Aging Cell*, **2017**, 16, 661-671	9.9	167
32	p21 maintains senescent cell viability under persistent DNA damage response by restraining JNK and caspase signaling. *EMBO Journal*, **2017**, 36, 2280-2295	13	115
31	Directed elimination of senescent cells by inhibition of BCL-W and BCL-XL. *Nature Communications*, **2016**, 7, 11190	17.4	445
30	NKG2D ligands mediate immunosurveillance of senescent cells. *Aging*, **2016**, 8, 328-44	5.6	148
29	Age-associated inflammation connects RAS-induced senescence to stem cell dysfunction and epidermal malignancy. *Cell Death and Differentiation*, **2015**, 22, 1764-74	12.7	42
28	Senescent cells communicate via intercellular protein transfer. *Genes and Development*, **2015**, 29, 791-802	12.6	82
27	A new Twist in kidney fibrosis. *Nature Medicine*, **2015**, 21, 975-7	50.5	24
26	Regulation and function of Myb-binding protein 1A (MYBBP1A) in cellular senescence and pathogenesis of head and neck cancer. *Cancer Letters*, **2015**, 358, 191-199	9.9	14
25	Senescent cells: SASPected drivers of age-related pathologies. *Biogerontology*, **2014**, 15, 627-42	4.5	129
24	Physiological and pathological consequences of cellular senescence. *Cellular and Molecular Life Sciences*, **2014**, 71, 4373-86	10.3	137
23	Senescence is a developmental mechanism that contributes to embryonic growth and patterning. *Cell*, **2013**, 155, 1119-30	56.2	657
22	Immunosurveillance of senescent cells: the bright side of the senescence program. *Biogerontology*, **2013**, 14, 617-28	4.5	118
21	Non-cell-autonomous tumor suppression by p53. *Cell*, **2013**, 153, 449-60	56.2	482
20	Cell fusion induced by ERVWE1 or measles virus causes cellular senescence. *Genes and Development* , **2013**, 27, 2356-66	12.6	145
19	Granule exocytosis mediates immune surveillance of senescent cells. *Oncogene*, **2013**, 32, 1971-7	9.2	157

18	Natural killer cell-dependent anti-fibrotic pathway in liver injury via Toll-like receptor-9. *PLoS ONE*, **2013**, 8, e82571	3.7	18
17	Cellular Senescence Limits the Extent of Fibrosis Following Liver Damage **2013**, 291-301		
16	Senescence of activated stellate cells limits liver fibrosis. *Cell*, **2008**, 134, 657-67	56.2	1277
15	Implications of cellular senescence in tissue damage response, tumor suppression, and stem cell biology. *Cold Spring Harbor Symposia on Quantitative Biology*, **2008**, 73, 513-22	3.9	86
14	Tissue-specific and reversible RNA interference in transgenic mice. *Nature Genetics*, **2007**, 39, 914-21	36.3	155
13	Senescence and tumour clearance is triggered by p53 restoration in murine liver carcinomas. *Nature*, **2007**, 445, 656-60	50.4	1786
12	A novel role for the choroid plexus in BMP-mediated inhibition of differentiation of cerebellar neural progenitors. *Mechanisms of Development*, **2006**, 123, 67-75	1.7	41
11	A novel role for high-mobility group a proteins in cellular senescence and heterochromatin formation. *Cell*, **2006**, 126, 503-14	56.2	460
10	Math1 target genes are enriched with evolutionarily conserved clustered E-box binding sites. *Journal of Molecular Neuroscience*, **2006**, 28, 211-29	3.3	22
9	Dual control of neurogenesis by PC3 through cell cycle inhibition and induction of Math1. *Journal of Neuroscience*, **2004**, 24, 3355-69	6.6	76
8	Math1 controls cerebellar granule cell differentiation by regulating multiple components of the Notch signaling pathway. *Development (Cambridge)*, **2004**, 131, 903-13	6.6	82
7	Genotype identification of Math1/LacZ knockout mice based on real-time PCR with SYBR Green I dye. *Journal of Neuroscience Methods*, **2004**, 136, 187-92	3	6
6	Modulation of Two Second Messengers in Bitter Taste Transduction of Agriculturally Relevant Compounds. *ACS Symposium Series*, **2002**, 18-31	0.4	1
5	Rapid entry of bitter and sweet tastants into liposomes and taste cells: implications for signal transduction. *American Journal of Physiology - Cell Physiology*, **2000**, 278, C17-25	5.4	62
4	Sucrose-stimulated subsecond transient increase in cGMP level in rat intact circumvallate taste bud cells. *American Journal of Physiology - Cell Physiology*, **2000**, 279, C120-5	5.4	19
3	A novel putative neuropeptide receptor expressed in neural tissue, including sensory epithelia. *Biochemical and Biophysical Research Communications*, **1995**, 209, 752-9	3.4	82
2	Senescent cells and the dynamics of aging		1
1	Pan-cancer single cell RNA-seq uncovers recurring programs of cellular heterogeneity		9