Antero Salminen

List of Publications by Year in Descending Order

106 papers	10,968 citations	57 h-index	104 g-index
107 ext. papers	12,710 ext. citations	6.9 avg, IF	6.91 L-index

#	Paper	IF	Citations
106	Role of Indoleamine 2,3-dioxygenase 1 (IDO1) and Kynurenine pathway in the regulation of the aging process.. *Ageing Research Reviews*, **2022**, 75, 101573	12	3
105	Clinical perspectives on the age-related increase of immunosuppressive activity.. *Journal of Molecular Medicine*, **2022**, 1	5.5	5
104	Feed-forward regulation between cellular senescence and immunosuppression promotes the aging process and age-related diseases. *Ageing Research Reviews*, **2021**, 67, 101280	12	14
103	Increased immunosuppression impairs tissue homeostasis with aging and age-related diseases. *Journal of Molecular Medicine*, **2021**, 99, 1-20	5.5	22
102	Hypoperfusion is a potential inducer of immunosuppressive network in Alzheimer's disease. *Neurochemistry International*, **2021**, 142, 104919	4.4	3
101	Immunosuppressive network promotes immunosenescence associated with aging and chronic inflammatory conditions. *Journal of Molecular Medicine*, **2021**, 99, 1553-1569	5.5	5
100	Insulin/IGF-1 signaling promotes immunosuppression via the STAT3 pathway: impact on the aging process and age-related diseases. *Inflammation Research*, **2021**, 70, 1043-1061	7.2	4
99	Hypoxia/ischemia impairs CD33 (Siglec-3)/TREM2 signaling: Potential role in Alzheimer's pathogenesis. *Neurochemistry International*, **2021**, 150, 105186	4.4	2
98	Potential Role of Myeloid-Derived Suppressor Cells (MDSCs) in Age-Related Macular Degeneration (AMD). *Frontiers in Immunology*, **2020**, 11, 384	8.4	2
97	ER stress activates immunosuppressive network: implications for aging and Alzheimer's disease. *Journal of Molecular Medicine*, **2020**, 98, 633-650	5.5	32
96	Retinal Pigment Epithelium in Age-Related Macular Degeneration **2020**, 161-171		
95	Activation of immunosuppressive network in the aging process. *Ageing Research Reviews*, **2020**, 57, 100998	12	45
94	Exosomal vesicles enhance immunosuppression in chronic inflammation: Impact in cellular senescence and the aging process. *Cellular Signalling*, **2020**, 75, 109771	4.9	11
93	Mechanisms of mitochondrial dysfunction and their impact on age-related macular degeneration. *Progress in Retinal and Eye Research*, **2020**, 79, 100858	20.5	87
92	AMPK activation inhibits the functions of myeloid-derived suppressor cells (MDSC): impact on cancer and aging. *Journal of Molecular Medicine*, **2019**, 97, 1049-1064	5.5	43
91	Immunosenescence: the potential role of myeloid-derived suppressor cells (MDSC) in age-related immune deficiency. *Cellular and Molecular Life Sciences*, **2019**, 76, 1901-1918	10.3	72
90	Fatty acids and oxidized lipoproteins contribute to autophagy and innate immunity responses upon the degeneration of retinal pigment epithelium and development of age-related macular degeneration. *Biochimie*, **2019**, 159, 49-54	4.6	19

89	The Regulation of NFE2L2 (NRF2) Signalling and Epithelial-to-Mesenchymal Transition in Age-Related Macular Degeneration Pathology. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	25
88	Loss of NRF-2 and PGC-1 genes leads to retinal pigment epithelium damage resembling dry age-related macular degeneration. *Redox Biology*, **2019**, 20, 1-12	11.3	73
87	Myeloid-derived suppressor cells (MDSC): an important partner in cellular/tissue senescence. *Biogerontology*, **2018**, 19, 325-339	4.5	29
86	Phytochemicals inhibit the immunosuppressive functions of myeloid-derived suppressor cells (MDSC): Impact on cancer and age-related chronic inflammatory disorders. *International Immunopharmacology*, **2018**, 61, 231-240	5.8	20
85	The role of myeloid-derived suppressor cells (MDSC) in the inflammaging process. *Ageing Research Reviews*, **2018**, 48, 1-10	12	52
84	The potential importance of myeloid-derived suppressor cells (MDSCs) in the pathogenesis of Alzheimer's disease. *Cellular and Molecular Life Sciences*, **2018**, 75, 3099-3120	10.3	14
83	Regulation of longevity by FGF21: Interaction between energy metabolism and stress responses. *Ageing Research Reviews*, **2017**, 37, 79-93	12	53
82	DNA damage response and autophagy in the degeneration of retinal pigment epithelial cells-Implications for age-related macular degeneration (AMD). *Ageing Research Reviews*, **2017**, 36, 64-77	12	40
81	Hypoxia/ischemia activate processing of Amyloid Precursor Protein: impact of vascular dysfunction in the pathogenesis of Alzheimer's disease. *Journal of Neurochemistry*, **2017**, 140, 536-549	6	100
80	Integrated stress response stimulates FGF21 expression: Systemic enhancer of longevity. *Cellular Signalling*, **2017**, 40, 10-21	4.9	49
79	FGF21 activates AMPK signaling: impact on metabolic regulation and the aging process. *Journal of Molecular Medicine*, **2017**, 95, 123-131	5.5	53
78	AMPK and HIF signaling pathways regulate both longevity and cancer growth: the good news and the bad news about survival mechanisms. *Biogerontology*, **2016**, 17, 655-80	4.5	46
77	AMPK/Snf1 signaling regulates histone acetylation: Impact on gene expression and epigenetic functions. *Cellular Signalling*, **2016**, 28, 887-95	4.9	59
76	Hypoxia and GABA shunt activation in the pathogenesis of Alzheimer's disease. *Neurochemistry International*, **2016**, 92, 13-24	4.4	29
75	Inflammation and its role in age-related macular degeneration. *Cellular and Molecular Life Sciences*, **2016**, 73, 1765-86	10.3	336
74	Hypoxia-Inducible Histone Lysine Demethylases: Impact on the Aging Process and Age-Related Diseases **2016**, 7, 180-200		47
73	Age-related changes in AMPK activation: Role for AMPK phosphatases and inhibitory phosphorylation by upstream signaling pathways. *Ageing Research Reviews*, **2016**, 28, 15-26	12	95
72	2-Oxoglutarate-dependent dioxygenases are sensors of energy metabolism, oxygen availability, and iron homeostasis: potential role in the regulation of aging process. *Cellular and Molecular Life Sciences*, **2015**, 72, 3897-914	10.3	57

71	Impaired mitochondrial energy metabolism in Alzheimer's disease: Impact on pathogenesis via disturbed epigenetic regulation of chromatin landscape. *Progress in Neurobiology*, **2015**, 131, 1-20	10.9	59
70	BET Inhibition Upregulates SIRT1 and Alleviates Inflammatory Responses. *ChemBioChem*, **2015**, 16, 1997-2001	3.2	15
69	Quercetin alleviates 4-hydroxynonenal-induced cytotoxicity and inflammation in ARPE-19 cells. *Experimental Eye Research*, **2015**, 132, 208-15	3.7	38
68	Krebs cycle dysfunction shapes epigenetic landscape of chromatin: novel insights into mitochondrial regulation of aging process. *Cellular Signalling*, **2014**, 26, 1598-603	4.9	65
67	Decline in cellular clearance systems induces inflammasome signaling in human ARPE-19 cells. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2014**, 1843, 3038-46	4.9	50
66	Clearance of misfolded and aggregated proteins by aggrephagy and implications for aggregation diseases. *Ageing Research Reviews*, **2014**, 18, 16-28	12	105
65	Histone demethylase Jumonji D3 (JMJD3/KDM6B) at the nexus of epigenetic regulation of inflammation and the aging process. *Journal of Molecular Medicine*, **2014**, 92, 1035-43	5.5	85
64	AROS has a context-dependent effect on SIRT1. *FEBS Letters*, **2014**, 588, 1523-8	3.8	9
63	Krebs cycle intermediates regulate DNA and histone methylation: epigenetic impact on the aging process. *Ageing Research Reviews*, **2014**, 16, 45-65	12	74
62	Interleukin-18 alters protein expressions of neurodegenerative diseases-linked proteins in human SH-SY5Y neuron-like cells. *Frontiers in Cellular Neuroscience*, **2014**, 8, 214	6.1	14
61	Inflammaging Signaling in Health Span and Life Span Regulation **2014**, 323-332		1
60	Complex regulation of acute and chronic neuroinflammatory responses in mouse models deficient for nuclear factor kappa B p50 subunit. *Neurobiology of Disease*, **2014**, 64, 16-29	7.5	19
59	Epigenetic regulation of ASC/TMS1 expression: potential role in apoptosis and inflammasome function. *Cellular and Molecular Life Sciences*, **2014**, 71, 1855-64	10.3	23
58	Beclin 1 interactome controls the crosstalk between apoptosis, autophagy and inflammasome activation: impact on the aging process. *Ageing Research Reviews*, **2013**, 12, 520-34	12	109
57	Maturation of autophagosomes and endosomes: a key role for Rab7. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2013**, 1833, 503-10	4.9	249
56	Cellular and molecular mechanisms of age-related macular degeneration: from impaired autophagy to neovascularization. *International Journal of Biochemistry and Cell Biology*, **2013**, 45, 1457-67	5.6	56
55	Antagonistic crosstalk between NF-B and SIRT1 in the regulation of inflammation and metabolic disorders. *Cellular Signalling*, **2013**, 25, 1939-48	4.9	542
54	Impaired autophagy and APP processing in Alzheimer's disease: The potential role of Beclin 1 interactome. *Progress in Neurobiology*, **2013**, 106-107, 33-54	10.9	213

53	Crosstalk between Oxidative Stress and SIRT1: Impact on the Aging Process. *International Journal of Molecular Sciences*, **2013**, 14, 3834-59	6.3	262
52	Autophagy and heterophagy dysregulation leads to retinal pigment epithelium dysfunction and development of age-related macular degeneration. *Autophagy*, **2013**, 9, 973-84	10.2	224
51	Autophagy activation clears ELAVL1/HuR-mediated accumulation of SQSTM1/p62 during proteasomal inhibition in human retinal pigment epithelial cells. *PLoS ONE*, **2013**, 8, e69563	3.7	119
50	Protein aggregation and degradation mechanisms in neurodegenerative diseases. *American Journal of Neurodegenerative Disease*, **2013**, 2, 1-14	2.5	120
49	Emerging role of p62/sequestosome-1 in the pathogenesis of Alzheimer's disease. *Progress in Neurobiology*, **2012**, 96, 87-95	10.9	104
48	AMP-activated protein kinase (AMPK) controls the aging process via an integrated signaling network. *Ageing Research Reviews*, **2012**, 11, 230-41	12	462
47	Oxidative stress activates NLRP3 inflammasomes in ARPE-19 cells--implications for age-related macular degeneration (AMD). *Immunology Letters*, **2012**, 147, 29-33	4.1	163
46	Pro-inflammatory interleukin-18 increases Alzheimer's disease-associated amyloid-β production in human neuron-like cells. *Journal of Neuroinflammation*, **2012**, 9, 199	10.1	125
45	Mitochondrial dysfunction and oxidative stress activate inflammasomes: impact on the aging process and age-related diseases. *Cellular and Molecular Life Sciences*, **2012**, 69, 2999-3013	10.3	202
44	Emerging role of NF-κB signaling in the induction of senescence-associated secretory phenotype (SASP). *Cellular Signalling*, **2012**, 24, 835-45	4.9	359
43	Context-Dependent Regulation of Autophagy by IKK-NF-κB Signaling: Impact on the Aging Process. *International Journal of Cell Biology*, **2012**, 2012, 849541	2.6	54
42	Phytochemicals suppress nuclear factor-κB signaling: impact on health span and the aging process. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2012**, 15, 23-8	3.8	39
41	Inflammaging: disturbed interplay between autophagy and inflammasomes. *Aging*, **2012**, 4, 166-75	5.6	313
40	Celastrol regulates innate immunity response via NF-κB and Hsp70 in human retinal pigment epithelial cells. *Pharmacological Research*, **2011**, 64, 501-8	10.2	31
39	5'Adenosine monophosphate-activated protein kinase--mammalian target of rapamycin axis as therapeutic target for age-related macular degeneration. *Rejuvenation Research*, **2011**, 14, 651-60	2.6	32
38	Hsp90 regulates tau pathology through co-chaperone complexes in Alzheimer's disease. *Progress in Neurobiology*, **2011**, 93, 99-110	10.9	91
37	Astrocytes in the aging brain express characteristics of senescence-associated secretory phenotype. *European Journal of Neuroscience*, **2011**, 34, 3-11	3.5	216
36	AMP-activated protein kinase: a potential player in Alzheimer's disease. *Journal of Neurochemistry*, **2011**, 118, 460-74	6	148

35	Control of p53 and NF-Β signaling by WIP1 and MIF: role in cellular senescence and organismal aging. *Cellular Signalling*, **2011**, 23, 747-52	4.9	82
34	AMP-activated protein kinase inhibits NF-Β signaling and inflammation: impact on healthspan and lifespan. *Journal of Molecular Medicine*, **2011**, 89, 667-76	5.5	537
33	Apoptosis and aging: increased resistance to apoptosis enhances the aging process. *Cellular and Molecular Life Sciences*, **2011**, 68, 1021-31	10.3	86
32	Celastrol: Molecular targets of Thunder God Vine. *Biochemical and Biophysical Research Communications*, **2010**, 394, 439-42	3.4	243
31	Genetics vs. entropy: longevity factors suppress the NF-kappaB-driven entropic aging process. *Ageing Research Reviews*, **2010**, 9, 298-314	12	52
30	ER stress and hormetic regulation of the aging process. *Ageing Research Reviews*, **2010**, 9, 211-7	12	85
29	Insulin/IGF-1 paradox of aging: regulation via AKT/IKK/NF-kappaB signaling. *Cellular Signalling*, **2010**, 22, 573-7	4.9	141
28	Glycolysis links p53 function with NF-kappaB signaling: impact on cancer and aging process. *Journal of Cellular Physiology*, **2010**, 224, 1-6	7	40
27	Endoplasmic reticulum stress in age-related macular degeneration: trigger for neovascularization. *Molecular Medicine*, **2010**, 16, 535-42	6.2	98
26	Crosstalk between Hsp70 molecular chaperone, lysosomes and proteasomes in autophagy-mediated proteolysis in human retinal pigment epithelial cells. *Journal of Cellular and Molecular Medicine*, **2009**, 13, 3616-31	5.6	100
25	Clusterin: a forgotten player in Alzheimer's disease. *Brain Research Reviews*, **2009**, 61, 89-104		210
24	SIRT1: regulation of longevity via autophagy. *Cellular Signalling*, **2009**, 21, 1356-60	4.9	165
23	NF-kappaB signaling in the aging process. *Journal of Clinical Immunology*, **2009**, 29, 397-405	5.7	99
22	Siglec receptors and hiding plaques in Alzheimer's disease. *Journal of Molecular Medicine*, **2009**, 87, 697-701	5.5	56
21	SIRT1 regulates the ribosomal DNA locus: epigenetic candles twinkle longevity in the Christmas tree. *Biochemical and Biophysical Research Communications*, **2009**, 378, 6-9	3.4	38
20	Inflammation in Alzheimer's disease: amyloid-beta oligomers trigger innate immunity defence via pattern recognition receptors. *Progress in Neurobiology*, **2009**, 87, 181-94	10.9	275
19	Regulation of the aging process by autophagy. *Trends in Molecular Medicine*, **2009**, 15, 217-24	11.5	209
18	Heat shock proteins as gatekeepers of proteolytic pathways-Implications for age-related macular degeneration (AMD). *Ageing Research Reviews*, **2009**, 8, 128-39	12	94

17	Regulatory role of HIF-1alpha in the pathogenesis of age-related macular degeneration (AMD). *Ageing Research Reviews*, **2009**, 8, 349-58	12	109
16	ER stress in Alzheimer's disease: a novel neuronal trigger for inflammation and Alzheimer's pathology. *Journal of Neuroinflammation*, **2009**, 6, 41	10.1	220
15	Amyloid-beta oligomers set fire to inflammasomes and induce Alzheimer's pathology. *Journal of Cellular and Molecular Medicine*, **2008**, 12, 2255-62	5.6	128
14	Activation of innate immunity system during aging: NF-kB signaling is the molecular culprit of inflamm-aging. *Ageing Research Reviews*, **2008**, 7, 83-105	12	382
13	ROCK, PAK, and Toll of synapses in Alzheimer's disease. *Biochemical and Biophysical Research Communications*, **2008**, 371, 587-90	3.4	57
12	NEMO shuttle: a link between DNA damage and NF-kappaB activation in progeroid syndromes?. *Biochemical and Biophysical Research Communications*, **2008**, 367, 715-8	3.4	20
11	Interleukin-18 increases expression of kinases involved in tau phosphorylation in SH-SY5Y neuroblastoma cells. *Journal of Neuroimmunology*, **2008**, 205, 86-93	3.5	61
10	SIRT1 longevity factor suppresses NF-kappaB -driven immune responses: regulation of aging via NF-kappaB acetylation?. *BioEssays*, **2008**, 30, 939-42	4.1	144
9	Innate immunity meets with cellular stress at the IKK complex: regulation of the IKK complex by HSP70 and HSP90. *Immunology Letters*, **2008**, 117, 9-15	4.1	78
8	Geldanamycin increases 4-hydroxynonenal (HNE)-induced cell death in human retinal pigment epithelial cells. *Neuroscience Letters*, **2005**, 382, 185-90	3.3	42
7	Both N-methyl-D-aspartate (NMDA) and non-NMDA receptors mediate glutamate-induced cleavage of the cyclin-dependent kinase 5 (cdk5) activator p35 in cultured rat hippocampal neurons. *Neuroscience Letters*, **2004**, 368, 181-5	3.3	36
6	Insulin-like growth factor binding protein 5 and type-1 insulin-like growth factor receptor are differentially regulated during apoptosis in cerebellar granule cells. *Journal of Neurochemistry*, **2001**, 76, 11-20	6	19
5	Ubiquitin-binding protein p62 is present in neuronal and glial inclusions in human tauopathies and synucleinopathies. *NeuroReport*, **2001**, 12, 2085-90	1.7	287
4	Piroxicam and NS-398 rescue neurones from hypoxia/reoxygenation damage by a mechanism independent of cyclo-oxygenase inhibition. *Journal of Neurochemistry*, **2001**, 76, 480-9	6	31
3	Characterization of aging-associated up-regulation of constitutive nuclear factor-kappa B binding activity. *Antioxidants and Redox Signaling*, **2001**, 3, 147-56	8.4	81
2	Ubiquitin-binding protein p62 expression is induced during apoptosis and proteasomal inhibition in neuronal cells. *Biochemical and Biophysical Research Communications*, **2001**, 280, 223-8	3.4	116
1	Changes associated with aging and replicative senescence in the regulation of transcription factor nuclear factor-kappa B. *Biochemical Journal*, **1996**, 318 (Pt 2), 603-8	3.8	206