

Antero Salminen

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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	Antagonistic crosstalk between NF- κ B and SIRT1 in the regulation of inflammation and metabolic disorders. <i>Cellular Signalling</i> , 2013 , 25, 1939-48	4.9	542
105	AMP-activated protein kinase inhibits NF- κ B signaling and inflammation: impact on healthspan and lifespan. <i>Journal of Molecular Medicine</i> , 2011 , 89, 667-76	5.5	537
104	AMP-activated protein kinase (AMPK) controls the aging process via an integrated signaling network. <i>Ageing Research Reviews</i> , 2012 , 11, 230-41	12	462
103	Activation of innate immunity system during aging: NF- κ B signaling is the molecular culprit of inflamm-aging. <i>Ageing Research Reviews</i> , 2008 , 7, 83-105	12	382
102	Emerging role of NF- κ B signaling in the induction of senescence-associated secretory phenotype (SASP). <i>Cellular Signalling</i> , 2012 , 24, 835-45	4.9	359
101	Inflammation and its role in age-related macular degeneration. <i>Cellular and Molecular Life Sciences</i> , 2016 , 73, 1765-86	10.3	336
100	Inflammaging: disturbed interplay between autophagy and inflammasomes. <i>Aging</i> , 2012 , 4, 166-75	5.6	313
99	Ubiquitin-binding protein p62 is present in neuronal and glial inclusions in human tauopathies and synucleinopathies. <i>NeuroReport</i> , 2001 , 12, 2085-90	1.7	287
98	Inflammation in Alzheimer's disease: amyloid-beta oligomers trigger innate immunity defence via pattern recognition receptors. <i>Progress in Neurobiology</i> , 2009 , 87, 181-94	10.9	275
97	Crosstalk between Oxidative Stress and SIRT1: Impact on the Aging Process. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 3834-59	6.3	262
96	Maturation of autophagosomes and endosomes: a key role for Rab7. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013 , 1833, 503-10	4.9	249
95	Celastrol: Molecular targets of Thunder God Vine. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 394, 439-42	3.4	243
94	Autophagy and heterophagy dysregulation leads to retinal pigment epithelium dysfunction and development of age-related macular degeneration. <i>Autophagy</i> , 2013 , 9, 973-84	10.2	224
93	ER stress in Alzheimer's disease: a novel neuronal trigger for inflammation and Alzheimer's pathology. <i>Journal of Neuroinflammation</i> , 2009 , 6, 41	10.1	220
92	Astrocytes in the aging brain express characteristics of senescence-associated secretory phenotype. <i>European Journal of Neuroscience</i> , 2011 , 34, 3-11	3.5	216
91	Impaired autophagy and APP processing in Alzheimer's disease: The potential role of Beclin 1 interactome. <i>Progress in Neurobiology</i> , 2013 , 106-107, 33-54	10.9	213
90	Clusterin: a forgotten player in Alzheimer's disease. <i>Brain Research Reviews</i> , 2009 , 61, 89-104		210

89	Regulation of the aging process by autophagy. <i>Trends in Molecular Medicine</i> , 2009 , 15, 217-24	11.5	209
88	Changes associated with aging and replicative senescence in the regulation of transcription factor nuclear factor-kappa B. <i>Biochemical Journal</i> , 1996 , 318 (Pt 2), 603-8	3.8	206
87	Mitochondrial dysfunction and oxidative stress activate inflammasomes: impact on the aging process and age-related diseases. <i>Cellular and Molecular Life Sciences</i> , 2012 , 69, 2999-3013	10.3	202
86	SIRT1: regulation of longevity via autophagy. <i>Cellular Signalling</i> , 2009 , 21, 1356-60	4.9	165
85	Oxidative stress activates NLRP3 inflammasomes in ARPE-19 cells--implications for age-related macular degeneration (AMD). <i>Immunology Letters</i> , 2012 , 147, 29-33	4.1	163
84	AMP-activated protein kinase: a potential player in Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2011 , 118, 460-74	6	148
83	SIRT1 longevity factor suppresses NF-kappaB -driven immune responses: regulation of aging via NF-kappaB acetylation?. <i>BioEssays</i> , 2008 , 30, 939-42	4.1	144
82	Insulin/IGF-1 paradox of aging: regulation via AKT/IKK/NF-kappaB signaling. <i>Cellular Signalling</i> , 2010 , 22, 573-7	4.9	141
81	Amyloid-beta oligomers set fire to inflammasomes and induce Alzheimer's pathology. <i>Journal of Cellular and Molecular Medicine</i> , 2008 , 12, 2255-62	5.6	128
80	Pro-inflammatory interleukin-18 increases Alzheimer's disease-associated amyloid- β production in human neuron-like cells. <i>Journal of Neuroinflammation</i> , 2012 , 9, 199	10.1	125
79	Protein aggregation and degradation mechanisms in neurodegenerative diseases. <i>American Journal of Neurodegenerative Disease</i> , 2013 , 2, 1-14	2.5	120
78	Autophagy activation clears ELAVL1/HuR-mediated accumulation of SQSTM1/p62 during proteasomal inhibition in human retinal pigment epithelial cells. <i>PLoS ONE</i> , 2013 , 8, e69563	3.7	119
77	Ubiquitin-binding protein p62 expression is induced during apoptosis and proteasomal inhibition in neuronal cells. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 280, 223-8	3.4	116
76	Beclin 1 interactome controls the crosstalk between apoptosis, autophagy and inflammasome activation: impact on the aging process. <i>Ageing Research Reviews</i> , 2013 , 12, 520-34	12	109
75	Regulatory role of HIF-1alpha in the pathogenesis of age-related macular degeneration (AMD). <i>Ageing Research Reviews</i> , 2009 , 8, 349-58	12	109
74	Clearance of misfolded and aggregated proteins by autophagy and implications for aggregation diseases. <i>Ageing Research Reviews</i> , 2014 , 18, 16-28	12	105
73	Emerging role of p62/sequestosome-1 in the pathogenesis of Alzheimer's disease. <i>Progress in Neurobiology</i> , 2012 , 96, 87-95	10.9	104
72	Hypoxia/ischemia activate processing of Amyloid Precursor Protein: impact of vascular dysfunction in the pathogenesis of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2017 , 140, 536-549	6	100

71	Crosstalk between Hsp70 molecular chaperone, lysosomes and proteasomes in autophagy-mediated proteolysis in human retinal pigment epithelial cells. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 3616-31	5.6	100
70	NF-kappaB signaling in the aging process. <i>Journal of Clinical Immunology</i> , 2009 , 29, 397-405	5.7	99
69	Endoplasmic reticulum stress in age-related macular degeneration: trigger for neovascularization. <i>Molecular Medicine</i> , 2010 , 16, 535-42	6.2	98
68	Age-related changes in AMPK activation: Role for AMPK phosphatases and inhibitory phosphorylation by upstream signaling pathways. <i>Ageing Research Reviews</i> , 2016 , 28, 15-26	12	95
67	Heat shock proteins as gatekeepers of proteolytic pathways-Implications for age-related macular degeneration (AMD). <i>Ageing Research Reviews</i> , 2009 , 8, 128-39	12	94
66	Hsp90 regulates tau pathology through co-chaperone complexes in Alzheimer's disease. <i>Progress in Neurobiology</i> , 2011 , 93, 99-110	10.9	91
65	Mechanisms of mitochondrial dysfunction and their impact on age-related macular degeneration. <i>Progress in Retinal and Eye Research</i> , 2020 , 79, 100858	20.5	87
64	Apoptosis and aging: increased resistance to apoptosis enhances the aging process. <i>Cellular and Molecular Life Sciences</i> , 2011 , 68, 1021-31	10.3	86
63	Histone demethylase Jumonji D3 (JMJD3/KDM6B) at the nexus of epigenetic regulation of inflammation and the aging process. <i>Journal of Molecular Medicine</i> , 2014 , 92, 1035-43	5.5	85
62	ER stress and hormetic regulation of the aging process. <i>Ageing Research Reviews</i> , 2010 , 9, 211-7	12	85
61	Control of p53 and NF- κ B signaling by WIP1 and MIF: role in cellular senescence and organismal aging. <i>Cellular Signalling</i> , 2011 , 23, 747-52	4.9	82
60	Characterization of aging-associated up-regulation of constitutive nuclear factor-kappa B binding activity. <i>Antioxidants and Redox Signaling</i> , 2001 , 3, 147-56	8.4	81
59	Innate immunity meets with cellular stress at the IKK complex: regulation of the IKK complex by HSP70 and HSP90. <i>Immunology Letters</i> , 2008 , 117, 9-15	4.1	78
58	Krebs cycle intermediates regulate DNA and histone methylation: epigenetic impact on the aging process. <i>Ageing Research Reviews</i> , 2014 , 16, 45-65	12	74
57	Loss of NRF-2 and PGC-1 α genes leads to retinal pigment epithelium damage resembling dry age-related macular degeneration. <i>Redox Biology</i> , 2019 , 20, 1-12	11.3	73
56	Immunosenescence: the potential role of myeloid-derived suppressor cells (MDSC) in age-related immune deficiency. <i>Cellular and Molecular Life Sciences</i> , 2019 , 76, 1901-1918	10.3	72
55	Krebs cycle dysfunction shapes epigenetic landscape of chromatin: novel insights into mitochondrial regulation of aging process. <i>Cellular Signalling</i> , 2014 , 26, 1598-603	4.9	65
54	Interleukin-18 increases expression of kinases involved in tau phosphorylation in SH-SY5Y neuroblastoma cells. <i>Journal of Neuroimmunology</i> , 2008 , 205, 86-93	3.5	61

53	AMPK/Snf1 signaling regulates histone acetylation: Impact on gene expression and epigenetic functions. <i>Cellular Signalling</i> , 2016 , 28, 887-95	4.9	59
52	Impaired mitochondrial energy metabolism in Alzheimer's disease: Impact on pathogenesis via disturbed epigenetic regulation of chromatin landscape. <i>Progress in Neurobiology</i> , 2015 , 131, 1-20	10.9	59
51	2-Oxoglutarate-dependent dioxygenases are sensors of energy metabolism, oxygen availability, and iron homeostasis: potential role in the regulation of aging process. <i>Cellular and Molecular Life Sciences</i> , 2015 , 72, 3897-914	10.3	57
50	ROCK, PAK, and Toll of synapses in Alzheimer's disease. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 371, 587-90	3.4	57
49	Cellular and molecular mechanisms of age-related macular degeneration: from impaired autophagy to neovascularization. <i>International Journal of Biochemistry and Cell Biology</i> , 2013 , 45, 1457-67	5.6	56
48	Siglec receptors and hiding plaques in Alzheimer's disease. <i>Journal of Molecular Medicine</i> , 2009 , 87, 697-701	3.1	56
47	Context-Dependent Regulation of Autophagy by IKK-NF- κ B Signaling: Impact on the Aging Process. <i>International Journal of Cell Biology</i> , 2012 , 2012, 849541	2.6	54
46	Regulation of longevity by FGF21: Interaction between energy metabolism and stress responses. <i>Ageing Research Reviews</i> , 2017 , 37, 79-93	12	53
45	FGF21 activates AMPK signaling: impact on metabolic regulation and the aging process. <i>Journal of Molecular Medicine</i> , 2017 , 95, 123-131	5.5	53
44	Genetics vs. entropy: longevity factors suppress the NF-kappaB-driven entropic aging process. <i>Ageing Research Reviews</i> , 2010 , 9, 298-314	12	52
43	The role of myeloid-derived suppressor cells (MDSC) in the inflammaging process. <i>Ageing Research Reviews</i> , 2018 , 48, 1-10	12	52
42	Decline in cellular clearance systems induces inflammasome signaling in human ARPE-19 cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014 , 1843, 3038-46	4.9	50
41	Integrated stress response stimulates FGF21 expression: Systemic enhancer of longevity. <i>Cellular Signalling</i> , 2017 , 40, 10-21	4.9	49
40	Hypoxia-Inducible Histone Lysine Demethylases: Impact on the Aging Process and Age-Related Diseases 2016 , 7, 180-200		47
39	AMPK and HIF signaling pathways regulate both longevity and cancer growth: the good news and the bad news about survival mechanisms. <i>Biogerontology</i> , 2016 , 17, 655-80	4.5	46
38	Activation of immunosuppressive network in the aging process. <i>Ageing Research Reviews</i> , 2020 , 57, 100998		45
37	AMPK activation inhibits the functions of myeloid-derived suppressor cells (MDSC): impact on cancer and aging. <i>Journal of Molecular Medicine</i> , 2019 , 97, 1049-1064	5.5	43
36	Geldanamycin increases 4-hydroxynonenal (HNE)-induced cell death in human retinal pigment epithelial cells. <i>Neuroscience Letters</i> , 2005 , 382, 185-90	3.3	42

35	DNA damage response and autophagy in the degeneration of retinal pigment epithelial cells-Implications for age-related macular degeneration (AMD). <i>Ageing Research Reviews</i> , 2017 , 36, 64-77 ¹²	40
34	Glycolysis links p53 function with NF-kappaB signaling: impact on cancer and aging process. <i>Journal of Cellular Physiology</i> , 2010 , 224, 1-6	7 40
33	Phytochemicals suppress nuclear factor- B signaling: impact on health span and the aging process. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012 , 15, 23-8	3.8 39
32	Quercetin alleviates 4-hydroxynonenal-induced cytotoxicity and inflammation in ARPE-19 cells. <i>Experimental Eye Research</i> , 2015 , 132, 208-15	3.7 38
31	SIRT1 regulates the ribosomal DNA locus: epigenetic candles twinkle longevity in the Christmas tree. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 378, 6-9	3.4 38
30	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. <i>Neuroscience Letters</i> , 2004 , 368, 181-5	3.3 36
29	ER stress activates immunosuppressive network: implications for aging and Alzheimer's disease. <i>Journal of Molecular Medicine</i> , 2020 , 98, 633-650	5.5 32
28	5SAdenosine monophosphate-activated protein kinase--mammalian target of rapamycin axis as therapeutic target for age-related macular degeneration. <i>Rejuvenation Research</i> , 2011 , 14, 651-60	2.6 32
27	Celastrol regulates innate immunity response via NF- B and Hsp70 in human retinal pigment epithelial cells. <i>Pharmacological Research</i> , 2011 , 64, 501-8	10.2 31
26	Piroxicam and NS-398 rescue neurones from hypoxia/reoxygenation damage by a mechanism independent of cyclo-oxygenase inhibition. <i>Journal of Neurochemistry</i> , 2001 , 76, 480-9	6 31
25	Hypoxia and GABA shunt activation in the pathogenesis of Alzheimer's disease. <i>Neurochemistry International</i> , 2016 , 92, 13-24	4.4 29
24	Myeloid-derived suppressor cells (MDSC): an important partner in cellular/tissue senescence. <i>Biogerontology</i> , 2018 , 19, 325-339	4.5 29
23	The Regulation of NFE2L2 (NRF2) Signalling and Epithelial-to-Mesenchymal Transition in Age-Related Macular Degeneration Pathology. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3 25
22	Epigenetic regulation of ASC/TMS1 expression: potential role in apoptosis and inflammasome function. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 1855-64	10.3 23
21	Increased immunosuppression impairs tissue homeostasis with aging and age-related diseases. <i>Journal of Molecular Medicine</i> , 2021 , 99, 1-20	5.5 22
20	Phytochemicals inhibit the immunosuppressive functions of myeloid-derived suppressor cells (MDSC): Impact on cancer and age-related chronic inflammatory disorders. <i>International Immunopharmacology</i> , 2018 , 61, 231-240	5.8 20
19	NEMO shuttle: a link between DNA damage and NF-kappaB activation in progeroid syndromes?. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 367, 715-8	3.4 20
18	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. <i>Biochimie</i> , 2019 , 159, 49-54	4.6 19

17	Complex regulation of acute and chronic neuroinflammatory responses in mouse models deficient for nuclear factor kappa B p50 subunit. <i>Neurobiology of Disease</i> , 2014 , 64, 16-29	7.5	19
16	Insulin-like growth factor binding protein 5 and type-1 insulin-like growth factor receptor are differentially regulated during apoptosis in cerebellar granule cells. <i>Journal of Neurochemistry</i> , 2001 , 76, 11-20	6	19
15	BET Inhibition Upregulates SIRT1 and Alleviates Inflammatory Responses. <i>ChemBioChem</i> , 2015 , 16, 1997-2001	3.2	15
14	Interleukin-18 alters protein expressions of neurodegenerative diseases-linked proteins in human SH-SY5Y neuron-like cells. <i>Frontiers in Cellular Neuroscience</i> , 2014 , 8, 214	6.1	14
13	Feed-forward regulation between cellular senescence and immunosuppression promotes the aging process and age-related diseases. <i>Ageing Research Reviews</i> , 2021 , 67, 101280	12	14
12	The potential importance of myeloid-derived suppressor cells (MDSCs) in the pathogenesis of Alzheimer's disease. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 3099-3120	10.3	14
11	Exosomal vesicles enhance immunosuppression in chronic inflammation: Impact in cellular senescence and the aging process. <i>Cellular Signalling</i> , 2020 , 75, 109771	4.9	11
10	AROS has a context-dependent effect on SIRT1. <i>FEBS Letters</i> , 2014 , 588, 1523-8	3.8	9
9	Immunosuppressive network promotes immunosenescence associated with aging and chronic inflammatory conditions. <i>Journal of Molecular Medicine</i> , 2021 , 99, 1553-1569	5.5	5
8	Clinical perspectives on the age-related increase of immunosuppressive activity.. <i>Journal of Molecular Medicine</i> , 2022 , 1	5.5	5
7	Insulin/IGF-1 signaling promotes immunosuppression via the STAT3 pathway: impact on the aging process and age-related diseases. <i>Inflammation Research</i> , 2021 , 70, 1043-1061	7.2	4
6	Role of Indoleamine 2,3-dioxygenase 1 (IDO1) and Kynurenine pathway in the regulation of the aging process.. <i>Ageing Research Reviews</i> , 2022 , 75, 101573	12	3
5	Hypoperfusion is a potential inducer of immunosuppressive network in Alzheimer's disease. <i>Neurochemistry International</i> , 2021 , 142, 104919	4.4	3
4	Potential Role of Myeloid-Derived Suppressor Cells (MDSCs) in Age-Related Macular Degeneration (AMD). <i>Frontiers in Immunology</i> , 2020 , 11, 384	8.4	2
3	Hypoxia/ischemia impairs CD33 (Siglec-3)/TREM2 signaling: Potential role in Alzheimer's pathogenesis. <i>Neurochemistry International</i> , 2021 , 150, 105186	4.4	2
2	Inflammaging Signaling in Health Span and Life Span Regulation 2014 , 323-332		1
1	Retinal Pigment Epithelium in Age-Related Macular Degeneration 2020 , 161-171		