Antero Salminen

List of Publications by Year
in descending order

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107 papers	14,269 citations	16411 64 h-index	29081 104 g-index
107 all docs	107 docs citations	107 times ranked	23575 citing authors

#	Article	IF	Citations
1	Antagonistic crosstalk between NF-ÎºB and SIRT1 in the regulation of inflammation and metabolic disorders. Cellular Signalling, 2013, 25, 1939-1948.	1.7	749
2	AMP-activated protein kinase inhibits NF-ÎºB signaling and inflammation: impact on healthspan and lifespan. Journal of Molecular Medicine, 2011, 89, 667-676.	1.7	672
3	AMP-activated protein kinase (AMPK) controls the aging process via an integrated signaling network. Ageing Research Reviews, 2012, 11, 230-241.	5.0	632
4	Emerging role of NF-ÎºB signaling in the induction of senescence-associated secretory phenotype (SASP). Cellular Signalling, 2012, 24, 835-845.	1.7	501
5	Inflammation and its role in age-related macular degeneration. Cellular and Molecular Life Sciences, 2016, 73, 1765-1786.	2.4	489
6	Activation of innate immunity system during aging: NF-kB signaling is the molecular culprit of inflamm-aging. Ageing Research Reviews, 2008, 7, 83-105.	5.0	474
7	Inflammaging: disturbed interplay between autophagy and inflammasomes. Aging, 2012, 4, 166-175.	1.4	379
8	Crosstalk between Oxidative Stress and SIRT1: Impact on the Aging Process. International Journal of Molecular Sciences, 2013, 14, 3834-3859.	1.8	328
9	Maturation of autophagosomes and endosomes: A key role for Rab7. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 503-510.	1.9	324
10	Ubiquitin-binding protein p62 is present in neuronal and glial inclusions in human tauopathies and synucleinopathies. NeuroReport, 2001, 12, 2085-2090.	0.6	316
11	Inflammation in Alzheimer's disease: Amyloid-Î² oligomers trigger innate immunity defence via pattern recognition receptors. Progress in Neurobiology, 2009, 87, 181-194.	2.8	310
12	Impaired autophagy and APP processing in Alzheimer's disease: The potential role of Beclin 1 interactome. Progress in Neurobiology, 2013, 106-107, 33-54.	2.8	293
13	Celastrol: Molecular targets of Thunder God Vine. Biochemical and Biophysical Research Communications, 2010, 394, 439-442.	1.0	279
14	Autophagy and heterophagy dysregulation leads to retinal pigment epithelium dysfunction and development of age-related macular degeneration. Autophagy, 2013, 9, 973-984.	4.3	279
15	Astrocytes in the aging brain express characteristics of senescence-associated secretory phenotype. European Journal of Neuroscience, 2011, 34, 3-11.	1.2	276
16	ER stress in Alzheimer's disease: a novel neuronal trigger for inflammation and Alzheimer's pathology. Journal of Neuroinflammation, 2009, 6, 41.	3.1	270
17	Clusterin: A forgotten player in Alzheimer's disease. Brain Research Reviews, 2009, 61, 89-104.	9.1	246
18	Mechanisms of mitochondrial dysfunction and their impact on age-related macular degeneration. Progress in Retinal and Eye Research, 2020, 79, 100858.	7.3	239

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19	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.	2.4	236
20	Regulation of the aging process by autophagy. Trends in Molecular Medicine, 2009, 15, 217-224.	3.5	230
21	Changes associated with aging and replicative senescence in the regulation of transcription factor nuclear factor-Î¹B. Biochemical Journal, 1996, 318, 603-608.	1.7	227
22	SIRT1: Regulation of longevity via autophagy. Cellular Signalling, 2009, 21, 1356-1360.	1.7	193
23	Oxidative stress activates NLRP3 inflammasomes in ARPE-19 cellsâ€"Implications for age-related macular degeneration (AMD). Immunology Letters, 2012, 147, 29-33.	1.1	193
24	AMPâ€activated protein kinase: a potential player in Alzheimerâ€™s disease. Journal of Neurochemistry, 2011, 118, 460-474.	2.1	176
25	Pro-inflammatory interleukin-18 increases Alzheimerâ€™s disease-associated amyloid-Î² production in human neuron-like cells. Journal of Neuroinflammation, 2012, 9, 199.	3.1	176
26	Insulin/IGF-1 paradox of aging: Regulation via AKT/IKK/NF-Î¹B signaling. Cellular Signalling, 2010, 22, 573-577.	1.7	158
27	SIRT1 longevity factor suppresses NFâ€Î¹B â€driven immune responses: regulation of aging via NFâ€Î¹B acetylation?. BioEssays, 2008, 30, 939-942.	1.2	157
28	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.	2.1	154
29	Amyloidâ€Î² oligomers set fire to inflammasomes and induce Alzheimer's pathology. Journal of Cellular and Molecular Medicine, 2008, 12, 2255-2262.	1.6	149
30	Age-related changes in AMPK activation: Role for AMPK phosphatases and inhibitory phosphorylation by upstream signaling pathways. Ageing Research Reviews, 2016, 28, 15-26.	5.0	144
31	Autophagy Activation Clears ELAVL1/HuR-Mediated Accumulation of SQSTM1/p62 during Proteasomal Inhibition in Human Retinal Pigment Epithelial Cells. PLoS ONE, 2013, 8, e69563.	1.1	138
32	Clearance of misfolded and aggregated proteins by aggrephagy and implications for aggregation diseases. Ageing Research Reviews, 2014, 18, 16-28.	5.0	135
33	Beclin 1 interactome controls the crosstalk between apoptosis, autophagy and inflammasome activation: Impact on the aging process. Ageing Research Reviews, 2013, 12, 520-534.	5.0	134
34	Emerging role of p62/sequestosome-1 in the pathogenesis of Alzheimer's disease. Progress in Neurobiology, 2012, 96, 87-95.	2.8	128
35	Regulatory role of HIF-1Î± in the pathogenesis of age-related macular degeneration (AMD). Ageing Research Reviews, 2009, 8, 349-358.	5.0	127
36	Protein aggregation and degradation mechanisms in neurodegenerative diseases. American Journal of Neurodegenerative Disease, 2013, 2, 1-14.	0.1	125

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37	Ubiquitin-Binding Protein p62 Expression Is Induced during Apoptosis and Proteasomal Inhibition in Neuronal Cells. Biochemical and Biophysical Research Communications, 2001, 280, 223-228.	1.0	122
38	Histone demethylase Jumonji D3 (JMJD3/KDM6B) at the nexus of epigenetic regulation of inflammation and the aging process. Journal of Molecular Medicine, 2014, 92, 1035-1043.	1.7	118
39	Loss of NRF-2 and PGC-1Î± genes leads to retinal pigment epithelium damage resembling dry age-related macular degeneration. Redox Biology, 2019, 20, 1-12.	3.9	117
40	Apoptosis and aging: increased resistance to apoptosis enhances the aging process. Cellular and Molecular Life Sciences, 2011, 68, 1021-1031.	2.4	116
41	Crosstalk between Hsp70 molecular chaperone, lysosomes and proteasomes in autophagyâ€mediated proteolysis in human retinal pigment epithelial cells. Journal of Cellular and Molecular Medicine, 2009, 13, 3616-3631.	1.6	114
42	Heat shock proteins as gatekeepers of proteolytic pathwaysâ€”Implications for age-related macular degeneration (AMD). Ageing Research Reviews, 2009, 8, 128-139.	5.0	113
43	Endoplasmic Reticulum Stress in Age-Related Macular Degeneration: Trigger for Neovascularization. Molecular Medicine, 2010, 16, 535-542.	1.9	113
44	NF-ÎºB Signaling in the Aging Process. Journal of Clinical Immunology, 2009, 29, 397-405.	2.0	112
45	Hsp90 regulates tau pathology through co-chaperone complexes in Alzheimer's disease. Progress in Neurobiology, 2011, 93, 99-110.	2.8	111
46	Immunosenescence: the potential role of myeloid-derived suppressor cells (MDSC) in age-related immune deficiency. Cellular and Molecular Life Sciences, 2019, 76, 1901-1918.	2.4	102
47	Glycolysis links p53 function with NFâ€ÎºB signaling: Impact on cancer and aging process. Journal of Cellular Physiology, 2010, 224, 1-6.	2.0	99
48	ER stress and hormetic regulation of the aging process. Ageing Research Reviews, 2010, 9, 211-217.	5.0	99
49	Control of p53 and NF-ÎºB signaling by WIP1 and MIF: Role in cellular senescence and organismal aging. Cellular Signalling, 2011, 23, 747-752.	1.7	96
50	Krebs cycle intermediates regulate DNA and histone methylation: Epigenetic impact on the aging process. Ageing Research Reviews, 2014, 16, 45-65.	5.0	95
51	Activation of immunosuppressive network in the aging process. Ageing Research Reviews, 2020, 57, 100998.	5.0	91
52	Characterization of Aging-Associated Up-Regulation of Constitutive Nuclear Factor-ÎºB Binding Activity. Antioxidants and Redox Signaling, 2001, 3, 147-156.	2.5	89
53	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.	1.1	88
54	AMPK/Snf1 signaling regulates histone acetylation: Impact on gene expression and epigenetic functions. Cellular Signalling, 2016, 28, 887-895.	1.7	83

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55	Regulation of longevity by FGF21: Interaction between energy metabolism and stress responses. Ageing Research Reviews, 2017, 37, 79-93.	5.0	80
56	Krebs cycle dysfunction shapes epigenetic landscape of chromatin: Novel insights into mitochondrial regulation of aging process. Cellular Signalling, 2014, 26, 1598-1603.	1.7	78
57	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, 3897-3914.	2.4	78
58	AMPK activation inhibits the functions of myeloid-derived suppressor cells (MDSC): impact on cancer and aging. Journal of Molecular Medicine, 2019, 97, 1049-1064.	1.7	78
59	FGF21 activates AMPK signaling: impact on metabolic regulation and the aging process. Journal of Molecular Medicine, 2017, 95, 123-131.	1.7	77
60	Interleukin-18 increases expression of kinases involved in tau phosphorylation in SH-SY5Y neuroblastoma cells. Journal of Neuroimmunology, 2008, 205, 86-93.	1.1	76
61	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.	2.8	74
62	Integrated stress response stimulates FGF21 expression: Systemic enhancer of longevity. Cellular Signalling, 2017, 40, 10-21.	1.7	72
63	Siglec receptors and hiding plaques in Alzheimer's disease. Journal of Molecular Medicine, 2009, 87, 697-701.	1.7	71
64	The role of myeloid-derived suppressor cells (MDSC) in the inflammaging process. Ageing Research Reviews, 2018, 48, 1-10.	5.0	71
65	Photoaging: UV radiation-induced inflammation and immunosuppression accelerate the aging process in the skin. Inflammation Research, 2022, 71, 817-831.	1.6	71
66	Context-Dependent Regulation of Autophagy by IKK-NF-Î²B Signaling: Impact on the Aging Process. International Journal of Cell Biology, 2012, 2012, 1-15.	1.0	67
67	Cellular and molecular mechanisms of age-related macular degeneration: From impaired autophagy to neovascularization. International Journal of Biochemistry and Cell Biology, 2013, 45, 1457-1467.	1.2	66
68	Hypoxia-Inducible Histone Lysine Demethylases: Impact on the Aging Process and Age-Related Diseases. , 2016, 7, 180.		63
69	AMPK and HIF signaling pathways regulate both longevity and cancer growth: the good news and the bad news about survival mechanisms. Biogerontology, 2016, 17, 655-680.	2.0	62
70	Increased immunosuppression impairs tissue homeostasis with aging and age-related diseases. Journal of Molecular Medicine, 2021, 99, 1-20.	1.7	61
71	ROCK, PAK, and Toll of synapses in Alzheimerâ€™s disease. Biochemical and Biophysical Research Communications, 2008, 371, 587-590.	1.0	60
72	Decline in cellular clearance systems induces inflammasome signaling in human ARPE-19 cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 3038-3046.	1.9	60

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73	ER stress activates immunosuppressive network: implications for aging and Alzheimerâ€™s disease. Journal of Molecular Medicine, 2020, 98, 633-650.	1.7	60
74	Genetics vs. entropy: Longevity factors suppress the NF-ÎºB-driven entropic aging process. Ageing Research Reviews, 2010, 9, 298-314.	5.0	58
75	DNA damage response and autophagy in the degeneration of retinal pigment epithelial cellsâ€”Implications for age-related macular degeneration (AMD). Ageing Research Reviews, 2017, 36, 64-77.	5.0	55
76	Myeloid-derived suppressor cells (MDSC): an important partner in cellular/tissue senescence. Biogerontology, 2018, 19, 325-339.	2.0	51
77	Hypoxia and GABA shunt activation in the pathogenesis of Alzheimer's disease. Neurochemistry International, 2016, 92, 13-24.	1.9	49
78	The Regulation of NFE2L2 (NRF2) Signalling and Epithelial-to-Mesenchymal Transition in Age-Related Macular Degeneration Pathology. International Journal of Molecular Sciences, 2019, 20, 5800.	1.8	49
79	Geldanamycin increases 4-hydroxynonenal (HNE)-induced cell death in human retinal pigment epithelial cells. Neuroscience Letters, 2005, 382, 185-190.	1.0	47
80	Phytochemicals suppress nuclear factor-ÎºB signaling. Current Opinion in Clinical Nutrition and Metabolic Care, 2012, 15, 23-28.	1.3	44
81	Quercetin alleviates 4-hydroxynonenal-induced cytotoxicity and inflammation in ARPE-19 cells. Experimental Eye Research, 2015, 132, 208-215.	1.2	44
82	SIRT1 regulates the ribosomal DNA locus: Epigenetic candles twinkle longevity in the Christmas tree. Biochemical and Biophysical Research Communications, 2009, 378, 6-9.	1.0	42
83	Role of indoleamine 2,3-dioxygenase 1 (IDO1) and kynurenine pathway in the regulation of the aging process. Ageing Research Reviews, 2022, 75, 101573.	5.0	40
84	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, 181-185.	1.0	38
85	5â€²-Adenosine Monophosphate-Activated Protein Kinaseâ€“Mammalian Target of Rapamycin Axis As Therapeutic Target for Age-Related Macular Degeneration. Rejuvenation Research, 2011, 14, 651-660.	0.9	38
86	Immunosuppressive network promotes immunosenescence associated with aging and chronic inflammatory conditions. Journal of Molecular Medicine, 2021, 99, 1553-1569.	1.7	38
87	Celastrol regulates innate immunity response via NF-ÎºB and Hsp70 in human retinal pigment epithelial cells. Pharmacological Research, 2011, 64, 501-508.	3.1	36
88	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.	1.6	35
89	Piroxicam and NS-398 rescue neurones from hypoxia/reoxygenation damage by a mechanism independent of cyclo-oxygenase inhibition. Journal of Neurochemistry, 2001, 76, 480-489.	2.1	34
90	Feed-forward regulation between cellular senescence and immunosuppression promotes the aging process and age-related diseases. Ageing Research Reviews, 2021, 67, 101280.	5.0	34

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91	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.	1.3	29
92	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.	1.7	28
93	Epigenetic regulation of ASC/TMS1 expression: potential role in apoptosis and inflammasome function. Cellular and Molecular Life Sciences, 2014, 71, 1855-1864.	2.4	27
94	Insulin-like growth factor binding proteinâ€ƒ5 and type-1 insulin-like growth factor receptor are differentially regulated during apoptosis in cerebellar granule cells. Journal of Neurochemistry, 2008, 76, 11-20.	2.1	25
95	NEMO shuttle: A link between DNA damage and NF-ÎºB activation in progeroid syndromes?. Biochemical and Biophysical Research Communications, 2008, 367, 715-718.	1.0	25
96	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.	2.1	25
97	The potential importance of myeloid-derived suppressor cells (MDSCs) in the pathogenesis of Alzheimerâ€™s disease. Cellular and Molecular Life Sciences, 2018, 75, 3099-3120.	2.4	24
98	Interleukin-18 alters protein expressions of neurodegenerative diseases-linked proteins in human SH-SY5Y neuron-like cells. Frontiers in Cellular Neuroscience, 2014, 8, 214.	1.8	22
99	BET Inhibition Upregulates SIRT1 and Alleviates Inflammatory Responses. ChemBioChem, 2015, 16, 1997-2001.	1.3	21
100	Exosomal vesicles enhance immunosuppression in chronic inflammation: Impact in cellular senescence and the aging process. Cellular Signalling, 2020, 75, 109771.	1.7	18
101	Clinical perspectives on the age-related increase of immunosuppressive activity. Journal of Molecular Medicine, 2022, 100, 697-712.	1.7	16
102	AROS has a contextâ€dependent effect on SIRT1. FEBS Letters, 2014, 588, 1523-1528.	1.3	13
103	Potential Role of Myeloid-Derived Suppressor Cells (MDSCs) in Age-Related Macular Degeneration (AMD). Frontiers in Immunology, 2020, 11, 384.	2.2	8
104	Hypoxia/ischemia impairs CD33 (Siglec-3)/TREM2 signaling: Potential role in Alzheimer's pathogenesis. Neurochemistry International, 2021, 150, 105186.	1.9	8
105	Hypoperfusion is a potential inducer of immunosuppressive network in Alzheimer's disease. Neurochemistry International, 2021, 142, 104919.	1.9	7
106	Inflammaging Signaling in Health Span and Life Span Regulation. , 2014, , 323-332.		2
107	Retinal Pigment Epithelium in Age-Related Macular Degeneration. , 2020, , 161-171.		0