Andis Klegeris

List of Publications by Year
in descending order

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103 papers	4,948 citations	87888 38 h-index	98798 67 g-index
103 all docs	103 docs citations	103 times ranked	7594 citing authors

#	Article	IF	Citations
1	Dietary fats modulate neuroinflammation in mucin 2 knock out mice model of spontaneous colitis. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2022, 1868, 166336.	3.8	2
2	Extracellular Cardiolipin Modulates Select Immune Functions of Astrocytes in Toll-Like Receptor (TLR) 4-Dependent Manner. Mediators of Inflammation, 2022, 2022, 1-14.	3.0	8
3	Modifying the diet and gut microbiota to prevent and manage neurodegenerative diseases. Reviews in the Neurosciences, 2022, 33, 767-787.	2.9	10
4	Neuroinflammation as a mechanism linking hypertension with the increased risk of Alzheimerâ€™s disease. Neural Regeneration Research, 2022, 17, 2342.	3.0	20
5	Mixed-mode instruction using active learning in small teams improves generic problem-solving skills of university students. Journal of Further and Higher Education, 2021, 45, 871-885.	2.5	7
6	Extracellular cardiolipin modulates microglial phagocytosis and cytokine secretion in a toll-like receptor (TLR) 4-dependent manner. Journal of Neuroimmunology, 2021, 353, 577496.	2.3	14
7	Targeting neuroprotective functions of astrocytes in neuroimmune diseases. Expert Opinion on Therapeutic Targets, 2021, 25, 237-241.	3.4	4
8	Glia-Driven Neuroinflammation and Systemic Inflammation in Alzheimerâ€™s Disease. Current Neuropharmacology, 2021, 19, 908-924.	2.9	29
9	Potential neurotoxic activity of diverse molecules released by microglia. Neurochemistry International, 2021, 148, 105117.	3.8	21
10	Regulation of neuroimmune processes by damage- and resolution-associated molecular patterns. Neural Regeneration Research, 2021, 16, 423.	3.0	30
11	Diversity and Regulation of Astrocyte Neurotoxicity in Alzheimer's Disease. Current Alzheimer Research, 2021, 18, 925-938.	1.4	5
12	The dietary fatty acids Î±-linolenic acid (ALA) and linoleic acid (LA) selectively inhibit microglial nitric oxide production. Molecular and Cellular Neurosciences, 2020, 109, 103569.	2.2	13
13	Short-chain fatty acids (SCFAs) alone or in combination regulate select immune functions of microglia-like cells. Molecular and Cellular Neurosciences, 2020, 105, 103493.	2.2	169
14	Resolution-Associated Molecular Patterns (RAMPs) as Endogenous Regulators of Glia Functions in Neuroinflammatory Disease. CNS and Neurological Disorders - Drug Targets, 2020, 19, 483-494.	1.4	9
15	Cytochrome c can be released into extracellular space and modulate functions of human astrocytes in a toll-like receptor 4-dependent manner. Biochimica Et Biophysica Acta - General Subjects, 2019, 1863, 129400.	2.4	29
16	Synthesis and Evaluation of Novel Pyrazole Ethandiamide Compounds as Inhibitors of Human THP-1 Monocytic Cell Neurotoxicity. Cells, 2019, 8, 655.	4.1	6
17	Targeting toll-like receptor 4 to modulate neuroinflammation in central nervous system disorders. Expert Opinion on Therapeutic Targets, 2019, 23, 865-882.	3.4	131
18	The Role of Mitochondrial Damage-Associated Molecular Patterns in Chronic Neuroinflammation. Mediators of Inflammation, 2019, 2019, 1-11.	3.0	63

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19	Characterization of novel kainic acid analogs as inhibitors of select microglial functions. European Journal of Pharmacology, 2019, 851, 25-35.	3.5	4
20	Non-linear improvement in generic problem-solving skills of university students: a longitudinal study. Higher Education Research and Development, 2019, 38, 1432-1444.	2.9	1
21	Extracellular cardiolipin regulates select immune functions of microglia and microglia-like cells. Brain Research Bulletin, 2019, 146, 153-163.	3.0	31
22	Emerging roles of microglial cathepsins in neurodegenerative disease. Brain Research Bulletin, 2018, 139, 144-156.	3.0	46
23	Pattern recognition receptors mediate pro-inflammatory effects of extracellular mitochondrial transcription factor A (TFAM). Molecular and Cellular Neurosciences, 2018, 89, 71-79.	2.2	30
24	Comparison of student marks obtained by an assessment panel reveals generic problem-solving skills and academic ability as distinct skill sets. Compare, 2018, 48, 674-685.	2.1	4
25	Novel multi-target directed ligand-based strategies for reducing neuroinflammation in Alzheimer's disease. Life Sciences, 2018, 207, 314-322.	4.3	35
26	Unhealthy gut, unhealthy brain: The role of the intestinal microbiota in neurodegenerative diseases. Neurochemistry International, 2018, 120, 149-163.	3.8	192
27	Modulation of microglial functions by methyl jasmonate. Neural Regeneration Research, 2018, 13, 1290.	3.0	6
28	Novel kainoid analogs as inhibitors of neuroinflammation. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO2-1-1.	0.0	0
29	Instructing introductory pharmacology in large undergraduate classes by using clinical problem-based learning (PBL) cases improves the generic problem-solving skills of students. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO1-7-9.	0.0	0
30	The Effects of Fatty Acids on Brain Microglia Immune Responses. FASEB Journal, 2018, 32, 813.2-813.2.	0.5	0
31	The effects of voluntary wheel running on neuroinflammatory status: Role of monocyte chemoattractant protein-1. Molecular and Cellular Neurosciences, 2017, 79, 93-102.	2.2	6
32	Incretin hormones regulate microglia oxidative stress, survival and expression of trophic factors. European Journal of Cell Biology, 2017, 96, 240-253.	3.6	70
33	Cardiolipin in Central Nervous System Physiology and Pathology. Cellular and Molecular Neurobiology, 2017, 37, 1161-1172.	3.3	40
34	Dynamics of undergraduate student generic problem-solving skills captured by a campus-wide study. Higher Education, 2017, 74, 877-896.	4.4	13
35	Extracellular cytochrome c as an intercellular signaling molecule regulating microglial functions. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 2274-2281.	2.4	43
36	High Glucose Enhances Neurotoxicity and Inflammatory Cytokine Secretion by Stimulated Human Astrocytes. Current Alzheimer Research, 2017, 14, 731-741.	1.4	50

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37	Neuroinflammation as a Common Mechanism Associated with the Modifiable Risk Factors for Alzheimer's and Parkinson's Diseases. Current Aging Science, 2017, 10, 158-176.	1.2	71
38	Modifiable risk factors of Alzheimer's disease and neuroinflammation: what are the links?. Future Neurology, 2016, 11, 237-244.	0.5	3
39	Elucidating the link between the modifiable risk factors of Alzheimer's disease and neuroinflammation. Neurodegenerative Disease Management, 2016, 6, 375-384.	2.2	4
40	Physical activity and exercise attenuate neuroinflammation in neurological diseases. Brain Research Bulletin, 2016, 125, 19-29.	3.0	84
41	Possible role of microparticles in neuroimmune signaling of microglial cells. Neuroimmunology and Neuroinflammation, 2016, 3, 232.	1.4	3
42	Insulin Modulates <i>In Vitro Secretion</i> of Cytokines and Cytotoxins by Human Glial Cells. Current Alzheimer Research, 2015, 12, 684-693.	1.4	50
43	A new look at auranofin, dextromethorphan and rosiglitazone for reduction of glia-mediated inflammation in neurodegenerative diseases. Neural Regeneration Research, 2015, 10, 391.	3.0	19
44	Microparticles: A New Perspective in Central Nervous System Disorders. BioMed Research International, 2014, 2014, 1-17.	1.9	48
45	Gold drug auranofin could reduce neuroinflammation by inhibiting microglia cytotoxic secretions and primed respiratory burst. Journal of Neuroimmunology, 2014, 276, 71-79.	2.3	37
46	Inflammation and insulin/IGF-1 resistance as the possible link between obesity and neurodegeneration. Journal of Neuroimmunology, 2014, 273, 8-21.	2.3	150
47	Globular adiponectin induces a pro-inflammatory response in human astrocytic cells. Biochemical and Biophysical Research Communications, 2014, 446, 37-42.	2.1	44
48	Mitochondrial transcription factor A (Tfam) is a pro-inflammatory extracellular signaling molecule recognized by brain microglia. Molecular and Cellular Neurosciences, 2014, 60, 88-96.	2.2	57
49	Novel protective properties of auranofin: Inhibition of human astrocyte cytotoxic secretions and direct neuroprotection. Life Sciences, 2013, 92, 1072-1080.	4.3	40
50	Improvement in Generic Problem-Solving Abilities of Students by Use of Tutor-less Problem-Based Learning in a Large Classroom Setting. CBE Life Sciences Education, 2013, 12, 73-79.	2.3	30
51	Actions of the Anti-Angiogenic Compound Angiostatin in an Animal Model of Alzheimerâ€™s Disease. Current Alzheimer Research, 2013, 10, 252-260.	1.4	9
52	The Saturated Fatty Acid Palmitate Induces Human Monocytic Cell Toxicity Toward Neuronal Cells: Exploring a Possible Link Between Obesity-Related Metabolic Impairments and Neuroinflammation. Journal of Alzheimer's Disease, 2012, 30, S179-S183.	2.6	36
53	Inhibition of human astrocyte and microglia neurotoxicity by calcium channel blockers. Neuropharmacology, 2012, 63, 685-691.	4.1	55
54	The biological activity of auranofin: implications for novel treatment of diseases. Inflammopharmacology, 2012, 20, 297-306.	3.9	152

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55	Secreted phospholipase A2 group IIA is a neurotoxin released by stimulated human glial cells. Molecular and Cellular Neurosciences, 2012, 49, 430-438.	2.2	20
56	The histone deacetylase inhibitor suberoylanilide hydroxamic acid attenuates human astrocyte neurotoxicity induced by interferon-Î³. Journal of Neuroinflammation, 2012, 9, 113.	7.2	19
57	Cobalt(II) Î²-ketoaminato complexes as novel inhibitors of neuroinflammation. European Journal of Pharmacology, 2012, 676, 81-88.	3.5	10
58	Palmitate and ceramide induce human monocytic cell toxicity towards neuronal cells. FASEB Journal, 2012, 26, 570.8.	0.5	0
59	Cultured adult porcine astrocytes and microglia express functional interferon-Î³ receptors and exhibit toxicity towards SH-SY5Y cells. Brain Research Bulletin, 2011, 84, 244-251.	3.0	11
60	Pyrazole Compound 2-MBAPA as a Novel Inhibitor of Microglial Activation and Neurotoxicity in vitro and in vivo. Journal of Alzheimer's Disease, 2011, 27, 531-541.	2.6	8
61	STAT3 inhibitors attenuate interferon-Î³-induced neurotoxicity and inflammatory molecule production by human astrocytes. Neurobiology of Disease, 2011, 41, 299-307.	4.4	37
62	Moderate increase in temperature may exacerbate neuroinflammatory processes in the brain: Human cell culture studies. Journal of Neuroimmunology, 2011, 233, 65-72.	2.3	7
63	Proton pump inhibitors reduce interferonâ€Î³â€induced neurotoxicity and STAT3 phosphorylation of human astrocytes. Glia, 2011, 59, 833-840.	4.9	28
64	The synthesis and characterization of a series of cobalt(II) Î²-ketoaminato complexes and their cytotoxic activity towards human tumor cell lines. Journal of Inorganic Biochemistry, 2011, 105, 858-866.	3.5	15
65	Impact of problem-based learning in a large classroom setting: student perception and problem-solving skills. American Journal of Physiology - Advances in Physiology Education, 2011, 35, 408-415.	1.6	113
66	Differential expression of interferon-Î³ receptor on human glial cells in vivo and in vitro. Journal of Neuroimmunology, 2010, 225, 91-99.	2.3	40
67	Synthesis and biological evaluation of novel pyrazolyl-2,4-thiazolidinediones as anti-inflammatory and neuroprotective agents. Bioorganic and Medicinal Chemistry, 2010, 18, 2019-2028.	3.0	79
68	Synthesis and biological evaluation of novel pyrazole compounds. Bioorganic and Medicinal Chemistry, 2010, 18, 5685-5696.	3.0	34
69	Inflammation in transgenic mouse models of neurodegenerative disorders. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2010, 1802, 889-902.	3.8	80
70	Antitumor activity of asukamycin, a secondary metabolite from the actinomycete bacterium Streptomyces nodosus subspecies asukaensis. International Journal of Molecular Medicine, 2009, 24, 711-5.	4.0	7
71	Proton pump inhibitors exert anti-inflammatory effects and decrease human microglial and monocytic THP-1 cell neurotoxicity. Experimental Neurology, 2009, 217, 177-183.	4.1	27
72	Interferon-Î³-dependent cytotoxic activation of human astrocytes and astrocytoma cells. Neurobiology of Aging, 2009, 30, 1924-1935.	3.1	79

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73	Prolyl endopeptidase is revealed following SILAC analysis to be a novel mediator of human microglial and THPâ€1 cell neurotoxicity. Glia, 2008, 56, 675-685.	4.9	32
74	Î±-Synuclein activates stress signaling protein kinases in THP-1 cells and microglia. Neurobiology of Aging, 2008, 29, 739-752.	3.1	202
75	Adhesion of Exogenous Human Microglia and THP-1 Cells to Amyloid Plaques of Postmortem Alzheimer's Disease Brain. Journal of Alzheimer's Disease, 2008, 14, 345-352.	2.6	21
76	Increase in Core Body Temperature of Alzheimerâ€™s Disease Patients as a Possible Indicator of Chronic Neuroinflammation: A Meta-Analysis. Gerontology, 2007, 53, 7-11.	2.8	38
77	Therapeutic approaches to inflammation in neurodegenerative disease. Current Opinion in Neurology, 2007, 20, 351-357.	3.6	178
78	Complement activation by islet amyloid polypeptide (IAPP) and Î±-synuclein 112. Biochemical and Biophysical Research Communications, 2007, 357, 1096-1099.	2.1	24
79	Functional ryanodine receptors are expressed by human microglia and THP-1 cells: Their possible involvement in modulation of neurotoxicity. Journal of Neuroscience Research, 2007, 85, 2207-2215.	2.9	40
80	Alphaâ€synuclein and its diseaseâ€causing mutants induce ICAMâ€1 and ILâ€6 in human astrocytes and astrocytoma cells. FASEB Journal, 2006, 20, 2000-2008.	0.5	126
81	Thrombin and Prothrombin Are Expressed by Neurons and Glial Cells and Accumulate in Neurofibrillary Tangles in Alzheimer Disease Brain. Journal of Neuropathology and Experimental Neurology, 2006, 65, 19-25.	1.7	163
82	LRRK2 Expression in Normal and Pathologic Human Brain and in Human Cell Lines. Journal of Neuropathology and Experimental Neurology, 2006, 65, 953-963.	1.7	154
83	Policing the Police: Astrocytes Modulate Microglial Activation. Journal of Neuroscience, 2006, 26, 3887-3888.	3.6	40
84	Chymotrypsin-like proteases contribute to human monocytic THP-1 cell as well as human microglial neurotoxicity. Glia, 2005, 51, 56-64.	4.9	21
85	Severe vascular disturbance in a case of familial brain calcinosis. Acta Neuropathologica, 2005, 109, 643-653.	7.7	64
86	Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) and Other Anti- Inflammatory Agents in the Treatment of Neurodegenerative Disease. Current Alzheimer Research, 2005, 2, 355-365.	1.4	136
87	Modulation of human microglia and THP-1 cell toxicity by cytokines endogenous to the nervous system. Neurobiology of Aging, 2005, 26, 673-682.	3.1	48
88	S- but not R-enantiomers of flurbiprofen and ibuprofen reduce human microglial and THP-1 cell neurotoxicity. Journal of Neuroimmunology, 2004, 152, 73-77.	2.3	25
89	Interleukin 1Î± and interleukin 6 protect human neuronal SH-SY5Y cells from oxidative damage. Neuroscience Letters, 2004, 361, 40-43.	2.1	39
90	Expression of complement messenger RNAs and proteins by human oligodendroglial cells. Glia, 2003, 42, 417-423.	4.9	83

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91	Reduction of human monocytic cell neurotoxicity and cytokine secretion by ligands of the cannabinoid-type CB2 receptor. British Journal of Pharmacology, 2003, 139, 775-786.	5.4	216
92	Toxicity of human monocytic THP-1 cells and microglia toward SH-SY5Y neuroblastoma cells is reduced by inhibitors of 5-lipoxygenase and its activating protein FLAP. Journal of Leukocyte Biology, 2003, 73, 369-378.	3.3	40
93	Cyclooxygenase and 5-lipoxygenase inhibitors protect against mononuclear phagocyte neurotoxicity. Neurobiology of Aging, 2002, 23, 787-794.	3.1	94
94	Effects of C-reactive protein and pentosan polysulphate on human complement activation. Immunology, 2002, 106, 381-388.	4.4	27
95	Inflammatory cytokine levels are influenced by interactions between THP-1 monocytic, U-373 MG astrocytic, and SH-SY5Y neuronal cell lines of human origin. Neuroscience Letters, 2001, 313, 41-44.	2.1	24
96	Interaction of various intracellular signaling mechanisms involved in mononuclear phagocyte toxicity toward neuronal cells. Journal of Leukocyte Biology, 2000, 67, 127-133.	3.3	65
97	Inhibitory action of 1-(2-chlorophenyl)-N-methyl-N-(1-methylpropyl)-3-isoquinolinecarboxamide (PK) Tj ETQq1 1 0.784314 rgBT /Overlo	4.4	24
98	Expression of complement messenger RNAs by human endothelial cells. Brain Research, 2000, 871, 1-6.	2.2	20
99	Interaction of Alzheimer Î²-amyloid peptide with the human monocytic cell line THP-1 results in a protein kinase C-dependent secretion of tumor necrosis factor-Î±. Brain Research, 1997, 747, 114-121.	2.2	111
100	?-Amyloid protein enhances macrophage production of oxygen free radicals and glutamate. Journal of Neuroscience Research, 1997, 49, 229-235.	2.9	149
101	Pathological Proteins in Senile Plaques.. Tohoku Journal of Experimental Medicine, 1994, 174, 269-277.	1.2	76
102	The relationship between visual stimulation, behaviour and continous release of protein in the substantia nigra. Brain Research, 1991, 560, 163-166.	2.2	11
103	Pre-clinical Studies Identifying Molecular Pathways of Neuroinflammation in Parkinson's Disease: A Systematic Review. Frontiers in Aging Neuroscience, 0, 14, .	3.4	10