

Ulrich L M Eisel

List of Publications by Year in descending order

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93
papers

4,787
citations

109264

35
h-index

102432

66
g-index

94
all docs

94
docs citations

94
times ranked

6996
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurodegenerative and Neuroprotective Effects of Tumor Necrosis Factor (TNF) in Retinal Ischemia: Opposite Roles of TNF Receptor 1 and TNF Receptor 2. <i>Journal of Neuroscience</i> , 2002, 22, RC216-RC216.	1.7	424
2	Tumor Necrosis Factor (TNF)-mediated Neuroprotection against Glutamate-induced Excitotoxicity Is Enhanced by N-Methyl-D-aspartate Receptor Activation. <i>Journal of Biological Chemistry</i> , 2004, 279, 32869-32881.	1.6	375
3	Tetanus toxin action: Inhibition of neurotransmitter release linked to synaptobrevin proteolysis. <i>Biochemical and Biophysical Research Communications</i> , 1992, 189, 1017-1023.	1.0	316
4	Statins: Mechanisms of neuroprotection. <i>Progress in Neurobiology</i> , 2009, 88, 64-75.	2.8	225
5	Tumor necrosis factor receptor cross-talk. <i>FEBS Journal</i> , 2011, 278, 888-898.	2.2	223
6	Lipocalin 2: Novel component of proinflammatory signaling in Alzheimer's disease. <i>FASEB Journal</i> , 2012, 26, 2811-2823.	0.2	166
7	Inflammation and NF- κ B in Alzheimer's Disease and Diabetes. <i>Journal of Alzheimer's Disease</i> , 2009, 16, 809-821.	1.2	157
8	Brain Endothelial- and Epithelial-Specific Interferon Receptor Chain 1 Drives Virus-Induced Sickness Behavior and Cognitive Impairment. <i>Immunity</i> , 2016, 44, 901-912.	6.6	143
9	Essential protective role of tumor necrosis factor receptor 2 in neurodegeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12304-12309.	3.3	129
10	The Role of Indoleamine 2,3-Dioxygenase in a Mouse Model of Neuroinflammation-Induced Depression. <i>Journal of Alzheimer's Disease</i> , 2012, 28, 905-915.	1.2	102
11	Selective Modulation of TNF-TNFRs Signaling: Insights for Multiple Sclerosis Treatment. <i>Frontiers in Immunology</i> , 2018, 9, 925.	2.2	92
12	<i>In Silico</i> Study of Full-Length Amyloid β ¹⁻⁴² Tri- and Penta-Oligomers in Solution. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11710-11719.	1.2	81
13	TetR Is a Positive Regulator of the Tetanus Toxin Gene in <i>Clostridium tetani</i> and Is Homologous to BotR. <i>Infection and Immunity</i> , 1998, 66, 5698-5702.	1.0	78
14	TNF α mediates neuroprotection against glutamate-induced excitotoxicity via NF κ B-dependent up-regulation of $K_{Ca}^{2.2}$ channels. <i>Journal of Neurochemistry</i> , 2008, 107, 1158-1167.	2.1	77
15	Neuronal AKAP150 coordinates PKA and Epac-mediated PKB/Akt phosphorylation. <i>Cellular Signalling</i> , 2008, 20, 1715-1724.	1.7	76
16	Depression after myocardial infarction: TNF-induced alterations of the blood-brain barrier and its putative therapeutic implications. <i>Neuroscience and Biobehavioral Reviews</i> , 2013, 37, 561-572.	2.9	74
17	Inflammation and Oxidative Stress in Multiple Sclerosis: Consequences for Therapy Development. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-19.	1.9	73
18	Neutrophil gelatinase-associated lipocalin: A novel inflammatory marker associated with late-life depression. <i>Journal of Psychosomatic Research</i> , 2013, 75, 444-450.	1.2	71

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19	Immune and neurotrophin stimulation by electroconvulsive therapy: is some inflammation needed after all?. <i>Translational Psychiatry</i> , 2015, 5, e609-e609.	2.4	71
20	A novel brain receptor is expressed in a distinct population of olfactory sensory neurons. <i>European Journal of Neuroscience</i> , 2000, 12, 3926-3934.	1.2	70
21	Cloning and characterization of promoter and 5'UTR of the NMDA receptor subunit $\mu 2$: evidence for alternative splicing of 5' non-coding exon. <i>Gene</i> , 1998, 208, 259-269.	1.0	66
22	Integrative neurobiology of metabolic diseases, neuroinflammation, and neurodegeneration. <i>Frontiers in Neuroscience</i> , 2015, 9, 173.	1.4	64
23	Interleukin-6 Upregulates Neuronal Adenosine A1 Receptors: Implications for Neuromodulation and Neuroprotection. <i>Neuropsychopharmacology</i> , 2008, 33, 2237-2250.	2.8	63
24	Biomarker approaches in major depressive disorder evaluated in the context of current hypotheses. <i>Biomarkers in Medicine</i> , 2015, 9, 277-297.	0.6	59
25	Neuroprotective and neurodegenerative effects of the chronic expression of tumor necrosis factor α in the nigrostriatal dopaminergic circuit of adult mice. <i>Experimental Neurology</i> , 2011, 227, 237-251.	2.0	57
26	Lovastatin Induces Neuroprotection Through Tumor Necrosis Factor Receptor 2 Signaling Pathways. <i>Journal of Alzheimer's Disease</i> , 2008, 13, 111-122.	1.2	56
27	Exogenous mRNA encoding tetanus or botulinum neurotoxins expressed in Aplysia neurons.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990, 87, 7844-7848.	3.3	51
28	KCa2 channels activation prevents $[Ca^{2+}]_i$ deregulation and reduces neuronal death following glutamate toxicity and cerebral ischemia. <i>Cell Death and Disease</i> , 2011, 2, e147-e147.	2.7	49
29	Targeting TNFR2 as a Novel Therapeutic Strategy for Alzheimer's Disease. <i>Frontiers in Neuroscience</i> , 2019, 13, 49.	1.4	49
30	Lipocalin 2 contributes to brain iron dysregulation but does not affect cognition, plaque load, and glial activation in the J20 Alzheimer mouse model. <i>Journal of Neuroinflammation</i> , 2018, 15, 330.	3.1	45
31	Chronic Inflammation and Protection from Acute Hepatitis in Transgenic Mice Expressing TNF in Endothelial Cells. <i>Journal of Immunology</i> , 2001, 167, 3944-3952.	0.4	43
32	A-kinase anchoring protein 150 in the mouse brain is concentrated in areas involved in learning and memory. <i>Brain Research</i> , 2007, 1145, 97-107.	1.1	41
33	Anti-TNFR1 targeting in humanized mice ameliorates disease in a model of multiple sclerosis. <i>Scientific Reports</i> , 2018, 8, 13628.	1.6	41
34	Exchange protein activated by cyclic AMP 2 (Epac2) plays a specific and time-limited role in memory retrieval. <i>Hippocampus</i> , 2010, 20, 1018-1026.	0.9	39
35	Calpain inhibition prevents amyloid- β -induced neurodegeneration and associated behavioral dysfunction in rats. <i>Neuropharmacology</i> , 2010, 59, 334-342.	2.0	39
36	Neutrophil Gelatinase-Associated Lipocalin and its Receptors in Alzheimer's Disease (AD) Brain Regions: Differential Findings in AD with and without Depression. <i>Journal of Alzheimer's Disease</i> , 2016, 55, 763-776.	1.2	39

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37	Lipocalin 2 as a link between ageing, risk factor conditions and age-related brain diseases. Ageing Research Reviews, 2021, 70, 101414.	5.0	39
38	KBP interacts with SCG10, linking Goldberg's Shprintzen syndrome to microtubule dynamics and neuronal differentiation. Human Molecular Genetics, 2010, 19, 3642-3651.	1.4	37
39	The continued need for animals to advance brain research. Neuron, 2021, 109, 2374-2379.	3.8	36
40	Analysis of cognition, motor performance and anxiety in young and aged tumor necrosis factor alpha receptor 1 and 2 deficient mice. Behavioural Brain Research, 2014, 258, 43-51.	1.2	35
41	Neutrophil Gelatinase-Associated Lipocalin and depression in patients with chronic heart failure. Brain, Behavior, and Immunity, 2014, 38, 59-65.	2.0	34
42	The role of neutrophil gelatinase associated lipocalin (NGAL) as biological constituent linking depression and cardiovascular disease. Brain, Behavior, and Immunity, 2015, 46, 23-32.	2.0	33
43	Pretreatment with Lovastatin Prevents N-Methyl-D-Aspartate-Induced Neurodegeneration in the Magnocellular Nucleus Basalis and Behavioral Dysfunction. Journal of Alzheimer's Disease, 2009, 17, 327-336.	1.2	32
44	Neuroinflammation in Alzheimer's Disease and Major Depression. Biological Psychiatry, 2010, 67, 503-504.	0.7	32
45	KCa2 and KCa3 Channels in Learning and Memory Processes, and Neurodegeneration. Frontiers in Pharmacology, 2012, 3, 107.	1.6	31
46	Regulated appearance of NMDA receptor subunits and channel functions during in vitro neuronal differentiation. Journal of Neurobiology, 2002, 51, 54-65.	3.7	30
47	Transgenic inhibition of neuronal calcineurin activity in the forebrain facilitates fear conditioning, but inhibits the extinction of contextual fear memories. Neurobiology of Learning and Memory, 2008, 89, 595-598.	1.0	30
48	LPYFDa Neutralizes Amyloid- β -Induced Memory Impairment and Toxicity. Journal of Alzheimer's Disease, 2010, 19, 991-1005.	1.2	29
49	Effects of Vinpocetine on mitochondrial function and neuroprotection in primary cortical neurons. Neurochemistry International, 2008, 53, 289-295.	1.9	28
50	Targeting of Tumor Necrosis Factor Alpha Receptors as a Therapeutic Strategy for Neurodegenerative Disorders. Antibodies, 2015, 4, 369-408.	1.2	27
51	The combination of vitamins and omega-3 fatty acids has an enhanced anti-inflammatory effect on microglia. Neurochemistry International, 2016, 99, 206-214.	1.9	26
52	Exogenous activation of tumor necrosis factor receptor 2 promotes recovery from sensory and motor disease in a model of multiple sclerosis. Brain, Behavior, and Immunity, 2019, 81, 247-259.	2.0	26
53	Inhibition of PKA anchoring to A-kinase anchoring proteins impairs consolidation and facilitates extinction of contextual fear memories. Neurobiology of Learning and Memory, 2008, 90, 223-229.	1.0	25
54	Nitric Oxide Dysregulation in Patients With Heart Failure. Psychosomatic Medicine, 2015, 77, 292-302.	1.3	23

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55	Schedule of NMDA receptor subunit expression and functional channel formation in the course of in vitro-induced neurogenesis. <i>Journal of Neurochemistry</i> , 2001, 77, 1444-1456.	2.1	21
56	Depression and markers of inflammation as predictors of all-cause mortality in heart failure. <i>Brain, Behavior, and Immunity</i> , 2016, 57, 144-150.	2.0	21
57	Sex-specific associations between Neutrophil Gelatinase-Associated Lipocalin (NGAL) and cognitive domains in late-life depression. <i>Psychoneuroendocrinology</i> , 2014, 48, 169-177.	1.3	20
58	Alzheimer's disease pathogenesis: The role of disturbed sleep in attenuated brain plasticity and neurodegenerative processes. <i>Cellular Signalling</i> , 2019, 64, 109420.	1.7	20
59	Expression of CXCL10 in cultured cortical neurons. <i>Journal of Neurochemistry</i> , 2010, 112, 703-714.	2.1	18
60	TNF-Overexpression in Borna Disease Virus-Infected Mouse Brains Triggers Inflammatory Reaction and Epileptic Seizures. <i>PLoS ONE</i> , 2012, 7, e41476.	1.1	18
61	Both exposure to a novel context and associative learning induce an upregulation of AKAP150 protein in mouse hippocampus. <i>Neurobiology of Learning and Memory</i> , 2007, 87, 693-696.	1.0	17
62	Serum NGAL is Associated with Distinct Plasma Amyloid- β^2 Peptides According to the Clinical Diagnosis of Dementia in Down Syndrome. <i>Journal of Alzheimer's Disease</i> , 2015, 45, 733-743.	1.2	17
63	Iron chelators inhibit amyloid- β^2 -induced production of lipocalin 2 in cultured astrocytes. <i>Neurochemistry International</i> , 2020, 132, 104607.	1.9	17
64	Long-term NR2B expression in the cerebellum alters granule cell development and leads to NR2A down-regulation and motor deficits. <i>Molecular and Cellular Neurosciences</i> , 2004, 27, 215-226.	1.0	15
65	Mouse repeated electroconvulsive seizure (ECS) does not reverse social stress effects but does induce behavioral and hippocampal changes relevant to electroconvulsive therapy (ECT) side-effects in the treatment of depression. <i>PLoS ONE</i> , 2017, 12, e0184603.	1.1	15
66	Anti-inflammatory effects of rice bran components. <i>Nutrition Reviews</i> , 2018, 76, 372-379.	2.6	15
67	Influence of diamond crystal orientation on the interaction with biological matter. <i>Carbon</i> , 2020, 162, 1-12.	5.4	15
68	Regulation of the murine NMDA-receptor-subunit NR2C promoter by Sp1 and fushi tarazu factor1 (FTZ-F1) homologues. <i>European Journal of Neuroscience</i> , 1999, 11, 2083-2092.	1.2	14
69	Electroconvulsive seizures (ECS) do not prevent LPS-induced behavioral alterations and microglial activation. <i>Journal of Neuroinflammation</i> , 2015, 12, 232.	3.1	13
70	Evaluating [11C]PBR28 PET for Monitoring Gut and Brain Inflammation in a Rat Model of Chemically Induced Colitis. <i>Molecular Imaging and Biology</i> , 2017, 19, 68-76.	1.3	13
71	Major depressive disorder is associated with changes in a cluster of serum and urine biomarkers. <i>Journal of Psychosomatic Research</i> , 2019, 125, 109796.	1.2	13
72	Life and Death of Nerve Cells: Therapeutic Cytokine Signaling Pathways. <i>Current Signal Transduction Therapy</i> , 2006, 1, 133-146.	0.3	13

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73	Serum and cerebrospinal fluid Neutrophil gelatinase-associated lipocalin (NGAL) levels as biomarkers for the conversion from mild cognitive impairment to Alzheimer's disease dementia. <i>Neurobiology of Aging</i> , 2021, 107, 1-10.	1.5	12
74	Statins â€” increasing or reducing the risk of Parkinson's disease?. <i>Experimental Neurology</i> , 2011, 228, 1-4.	2.0	11
75	NGAL and other markers of inflammation as competitive or complementary markers for depressive symptom dimensions in heart failure. <i>World Journal of Biological Psychiatry</i> , 2015, 16, 536-541.	1.3	11
76	Cholinergic cells in the nucleus basalis of mice express the N-methyl-d-aspartate-receptor subunit NR2C and its replacement by the NR2B subunit enhances frontal and amygdaloid acetylcholine levels. <i>Genes, Brain and Behavior</i> , 2006, 5, 552-560.	1.1	10
77	Expression of tetanus toxin subfragments in vitro and characterization of epitopes. <i>Infection and Immunity</i> , 1989, 57, 3498-3505.	1.0	10
78	Hippocampal microglia modifications in C57Bl/6 Pah and BTBR Pah phenylketonuria (PKU) mice depend on the genetic background, irrespective of disturbed sleep patterns. <i>Neurobiology of Learning and Memory</i> , 2019, 160, 139-143.	1.0	8
79	The cytotoxin of <i>Pseudomonas aeruginosa</i> : Cytotoxicity requires proteolytic activation. <i>Archives of Microbiology</i> , 1990, 153, 561-568.	1.0	7
80	Braak Staging in Mouse Models of Alzheimer's Disease. <i>American Journal of Pathology</i> , 2010, 177, 1603-1605.	1.9	7
81	NR2C by NR2B subunit exchange in juvenile mice affects emotionality and 5-HT in the frontal cortex. <i>Genes, Brain and Behavior</i> , 2007, 6, 465-472.	1.1	6
82	Immunization with Small Amyloid-Î²-derived Cyclopeptide Conjugates Diminishes Amyloid-Î²-Induced Neurodegeneration in Mice. <i>Journal of Alzheimer's Disease</i> , 2016, 52, 1111-1123.	1.2	5
83	Selective Blocking of TNF Receptor 1 Attenuates Peritoneal Dialysis Fluid Induced Inflammation of the Peritoneum in Mice. <i>PLoS ONE</i> , 2016, 11, e0163314.	1.1	5
84	Vaccination Prevented Short-Term Memory Loss, but Deteriorated Long-Term Spatial Memory in Alzheimer's Disease Mice, Independent of Amyloid-Î² Pathology. <i>Journal of Alzheimer's Disease Reports</i> , 2020, 4, 261-280.	1.2	5
85	TNFR2 â€” Target for Therapeutics Against Neurodegenerative Diseases?. <i>Advances in Experimental Medicine and Biology</i> , 2011, 691, 567-573.	0.8	4
86	Dynamics of neutrophil gelatinase-associated lipocalin plasma and cerebrospinal fluid concentrations in older males. <i>European Journal of Clinical Investigation</i> , 2017, 47, e12853.	1.7	4
87	Lack of NMDA receptor subunit exchange alters Purkinje cell dendritic morphology in cerebellar slice cultures. <i>Developmental Brain Research</i> , 2005, 155, 165-168.	2.1	3
88	<i>Aging of the Brain.</i> , 2013, , 2239-2272.		3
89	Response: Re: Neurocognitive Functioning in Adult Survivors of Childhood Noncentral Nervous System Cancers. <i>Journal of the National Cancer Institute</i> , 2011, 103, 607-608.	3.0	1
90	Tumor Necrosis Factor as a Neuroinflammatory Mediator in Alzheimer's Disease and Stroke: Molecular Mechanisms and Neuroinflammatory Imaging. <i>NeuroImmune Biology</i> , 2010, , 251-267.	0.2	0

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91	Aging of the Brain. , 2016, , 2755-2789.		0
92	Linking Molecular Neurobiology to Therapeutic Approaches for Alzheimer's Disease with PET. , 2014, , 451-478.		0
93	Lipocalin 2: novel inflammatory actor in Alzheimer's disease. FASEB Journal, 2015, 29, 835.2.	0.2	0