

# Åermin GenÃ§

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/539201/publications.pdf>

Version: 2024-02-01

88  
papers

4,941  
citations

109321

35  
h-index

95266

68  
g-index

90  
all docs

90  
docs citations

90  
times ranked

7186  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Adverse Effects of Air Pollution on the Nervous System. <i>Journal of Toxicology</i> , 2012, 2012, 1-23.	3.0	438
2	Erythropoietin prevents motor neuron apoptosis and neurologic disability in experimental spinal cord ischemic injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 2258-2263.	7.1	435
3	A Practical Guide to Immunoassay Method Validation. <i>Frontiers in Neurology</i> , 2015, 6, 179.	2.4	348
4	Melatonin Attenuates LPS-Induced Acute Depressive-Like Behaviors and Microglial NLRP3 Inflammasome Activation Through the SIRT1/Nrf2 Pathway. <i>Frontiers in Immunology</i> , 2019, 10, 1511.	4.8	299
5	The Role of MicroRNAs in Human Diseases. <i>Methods in Molecular Biology</i> , 2014, 1107, 33-50.	0.9	189
6	Erythropoietin improves long-term spatial memory deficits and brain injury following neonatal hypoxia-ischemia in rats. <i>Behavioural Brain Research</i> , 2004, 153, 77-86.	2.2	173
7	Inflammation in Parkinson's Disease. <i>Advances in Protein Chemistry and Structural Biology</i> , 2012, 88, 69-132.	2.3	154
8	Erythropoietin and the nervous system. <i>Brain Research</i> , 2004, 1000, 19-31.	2.2	152
9	The Role of MicroRNAs in Biological Processes. <i>Methods in Molecular Biology</i> , 2014, 1107, 15-31.	0.9	142
10	Neuroprotective Effect of Erythropoietin on Hypoxic-Ischemic Brain Injury in Neonatal Rats. <i>Neonatology</i> , 2003, 83, 224-228.	2.4	140
11	Erythropoietin restores glutathione peroxidase activity in 1-methyl-4-phenyl-1,2,5,6-tetrahydropyridine-induced neurotoxicity in C57BL mice and stimulates murine astroglial glutathione peroxidase production in vitro. <i>Neuroscience Letters</i> , 2002, 321, 73-76.	2.1	124
12	Erythropoietin exerts neuroprotection in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-treated C57/BL mice via increasing nitric oxide production. <i>Neuroscience Letters</i> , 2001, 298, 139-141.	2.1	122
13	The Nrf2/ARE Pathway: A Promising Target to Counteract Mitochondrial Dysfunction in Parkinson's Disease. <i>Parkinson's Disease</i> , 2011, 2011, 1-14.	1.1	120
14	Erythropoietin Increases Glutathione Peroxidase Enzyme Activity and Decreases Lipid Peroxidation Levels in Hypoxic-Ischemic Brain Injury in Neonatal Rats. <i>Neonatology</i> , 2005, 87, 15-18.	2.0	103
15	Erythropoietin Attenuates Lipopolysaccharide-Induced White Matter Injury in the Neonatal Rat Brain. <i>Neonatology</i> , 2007, 92, 269-278.	2.0	88
16	Erythropoietin exerts neuroprotective effect in neonatal rat model of hypoxic-ischemic brain injury. <i>Brain and Development</i> , 2003, 25, 494-498.	1.1	85
17	A152T tau allele causes neurodegeneration that can be ameliorated in a zebrafish model by autophagy induction. <i>Brain</i> , 2017, 140, 1128-1146.	7.6	84
18	Selective Inhibition of Nitric Oxide in Hypoxic-Ischemic Brain Model in Newborn Rats: Is It an Explanation for the Protective Role of Erythropoietin?. <i>Neonatology</i> , 2004, 85, 51-54.	2.0	73

#	ARTICLE	IF	CITATIONS
19	Diagnostic and therapeutic potential of microRNAs in neuropsychiatric disorders: Past, present, and future. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2017, 73, 87-103.	4.8	72
20	The Endotoxin-Induced Neuroinflammation Model of Parkinson's Disease. <i>Parkinson's Disease</i> , 2011, 2011, 1-25.	1.1	70
21	Hyperoxic exposure leads to cell death in the developing brain. <i>Brain and Development</i> , 2008, 30, 556-562.	1.1	67
22	Protective effects of erythropoietin against ethanol-induced apoptotic neurodegeneration and oxidative stress in the developing C57BL/6 mouse brain. <i>Developmental Brain Research</i> , 2005, 160, 146-156.	1.7	58
23	Lithium protects against paraquat neurotoxicity by NRF2 activation and miR-34a inhibition in SH-SY5Y cells. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 209.	3.7	58
24	Erythropoietin Downregulates Bax and DP5 ProApoptotic Gene Expression in Neonatal Hypoxic-Ischemic Brain Injury. <i>Neonatology</i> , 2006, 89, 205-210.	2.0	57
25	Erythropoietin in neonatal brain protection: The past, the present and the future. <i>Brain and Development</i> , 2011, 33, 632-643.	1.1	54
26	Sulforaphane Inhibits Lipopolysaccharide-Induced Inflammation, Cytotoxicity, Oxidative Stress, and miR-155 Expression and Switches to Mox Phenotype through Activating Extracellular Signal-Regulated Kinase 1/2â€Nuclear Factor Erythroid 2-Related Factor 2/Antioxidant Response Element Pathway in Murine Microglial Cells. <i>Frontiers in Immunology</i> , 2018, 9, 36.	4.8	54
27	MicroRNAs and Multiple Sclerosis. <i>Autoimmune Diseases</i> , 2011, 2011, 1-27.	0.6	53
28	Circulating exosomal microRNAs in bipolar disorder. <i>Journal of Affective Disorders</i> , 2020, 262, 99-107.	4.1	49
29	Microglial NLRP3 inflammasome activation in multiple sclerosis. <i>Advances in Protein Chemistry and Structural Biology</i> , 2020, 119, 247-308.	2.3	48
30	EPO Mediates Neurotrophic, Neuroprotective, Anti-Oxidant, and Anti-Apoptotic Effects via Downregulation of miR-451 and miR-885-5p in SH-SY5Y Neuron-Like Cells. <i>Frontiers in Immunology</i> , 2014, 5, 475.	4.8	46
31	Oxidative DNA damage in polymorphonuclear leukocytes of patients with familial Mediterranean fever. <i>Free Radical Biology and Medicine</i> , 2008, 44, 386-393.	2.9	45
32	Stem Cell Therapy for Multiple Sclerosis. <i>Advances in Experimental Medicine and Biology</i> , 2018, 1084, 145-174.	1.6	44
33	Erythropoietin induces nuclear translocation of Nrf2 and heme oxygenaseâ€1 expression in SHâ€SY5Y cells. <i>Cell Biochemistry and Function</i> , 2010, 28, 197-201.	2.9	41
34	Neurodegenerative Disease Phenotypes in Carriers of MAPT p.A152T, A Risk Factor for Frontotemporal Dementia Spectrum Disorders and Alzheimer Disease. <i>Alzheimer Disease and Associated Disorders</i> , 2013, 27, 302-309.	1.3	40
35	Bilirubin is cytotoxic to rat oligodendrocytes in vitro. <i>Brain Research</i> , 2003, 985, 135-141.	2.2	39
36	Dimethyl Fumarate Alleviates NLRP3 Inflammasome Activation in Microglia and Sickness Behavior in LPS-Challenged Mice. <i>Frontiers in Immunology</i> , 2021, 12, 737065.	4.8	39

#	ARTICLE	IF	CITATIONS
37	Effect of erythropoietin on oxygen-induced brain injury in the newborn rat. <i>Neuroscience Letters</i> , 2008, 448, 245-249.	2.1	37
38	Patient-Specific Pluripotent Stem Cells in Neurological Diseases. <i>Stem Cells International</i> , 2011, 2011, 1-17.	2.5	34
39	Neuroprotective effect of the peptides ADNF-9 and NAP on hypoxicâ€“ischemic brain injury in neonatal rats. <i>Brain Research</i> , 2006, 1115, 169-178.	2.2	33
40	Erythropoietin Protects against Necrotizing Enterocolitis of Newborn Rats by the Inhibiting Nitric Oxide Formation. <i>Neonatology</i> , 2003, 84, 325-329.	2.0	30
41	Validation of a quantitative cerebrospinal fluid alpha-synuclein assay in a European-wide interlaboratory study. <i>Neurobiology of Aging</i> , 2015, 36, 2587-2596.	3.1	30
42	Does Caffeine Consumption Modify Cerebrospinal Fluid Amyloid-Î² Levels in Patients with Alzheimerâ€™s Disease?. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 1069-1078.	2.6	28
43	Inhibitory effects of phytochemicals on NLRP3 inflammasome activation: A review. <i>Phytomedicine</i> , 2020, 75, 153238.	5.3	28
44	Resveratrol Inhibits NLRP3 Inflammasome-Induced Pyroptosis and miR-155 Expression in Microglia Through Sirt1/AMPK Pathway. <i>Neurotoxicity Research</i> , 2021, 39, 1812-1829.	2.7	28
45	Targeting NLRP3 Inflammasome With Nrf2 Inducers in Central Nervous System Disorders. <i>Frontiers in Immunology</i> , 2022, 13, 865772.	4.8	26
46	Methamphetamine induces oligodendroglial cell death in vitro. <i>Brain Research</i> , 2003, 982, 125-130.	2.2	25
47	Activated protein C reduces endotoxin-induced white matter injury in the developing rat brain. <i>Brain Research</i> , 2007, 1164, 14-23.	2.2	25
48	The Role of Melatonin on NLRP3 Inflammasome Activation in Diseases. <i>Antioxidants</i> , 2021, 10, 1020.	5.1	25
49	Sulforaphane inhibits NLRP3 inflammasome activation in microglia through Nrf2-mediated miRNA alteration. <i>Immunology Letters</i> , 2021, 233, 20-30.	2.5	23
50	Proteome profiling of neuron-derived exosomes in Alzheimer's disease reveals hemoglobin as a potential biomarker. <i>Neuroscience Letters</i> , 2021, 755, 135914.	2.1	23
51	Interferon gamma and lipopolysaccharide upregulate TNF-related apoptosis-inducing ligand expression in murine microglia. <i>Immunology Letters</i> , 2003, 85, 271-274.	2.5	21
52	Inhibitory effects of sulforaphane on NLRP3 inflammasome activation. <i>Molecular Immunology</i> , 2021, 140, 175-185.	2.2	20
53	TNF-related apoptosis-inducing ligand level in Alzheimerâ€™s disease. <i>Neurological Sciences</i> , 2009, 30, 263-267.	1.9	19
54	Intranasal erythropoietin therapy in nervous system disorders. <i>Expert Opinion on Drug Delivery</i> , 2011, 8, 19-32.	5.0	19

#	ARTICLE	IF	CITATIONS
55	MicroRNA exocytosis by large dense-core vesicle fusion. <i>Scientific Reports</i> , 2017, 7, 45661.	3.3	19
56	Hyperbilirubinemic Serum Is Cytotoxic and Induces Apoptosis in Murine Astrocytes. <i>Neonatology</i> , 2005, 87, 99-104.	2.0	18
57	Protective Effects of Methylxanthines on Hypoxia-Induced Apoptotic Neurodegeneration and Long-Term Cognitive Functions in the Developing Rat Brain. <i>Neonatology</i> , 2010, 98, 128-136.	2.0	18
58	RNA interference in neuroscience. <i>Molecular Brain Research</i> , 2004, 132, 260-270.	2.3	16
59	Pregnenolone protects the PC-12 cell line against amyloid beta peptide toxicity but its sulfate ester does not. <i>Chemico-Biological Interactions</i> , 2009, 177, 65-70.	4.0	16
60	Protective Effects of Topiramate against Hyperoxic Brain Injury in the Developing Brain. <i>Neuropediatrics</i> , 2009, 40, 22-27.	0.6	15
61	A Case of Lafora's Disease Associated With Cardiac Arrhythmia. <i>Journal of Child Neurology</i> , 1999, 14, 745-746.	1.4	14
62	Erythropoietin Promotes Glioblastoma via miR-451 Suppression. <i>Vitamins and Hormones</i> , 2017, 105, 249-271.	1.7	14
63	Alteration of miRNAs in Small Neuron-Derived Extracellular Vesicles of Alzheimer's Disease Patients and the Effect of Extracellular Vesicles on Microglial Immune Responses. <i>Journal of Molecular Neuroscience</i> , 2022, 72, 1182-1194.	2.3	12
64	Oxidative stress and dysregulated Nrf2 activation in the pathogenesis of schizophrenia. <i>Bioscience Hypotheses</i> , 2009, 2, 16-18.	0.2	11
65	Improved Cerebrospinal Fluid-Based Discrimination between Alzheimer's Disease Patients and Controls after Correction for Ventricular Volumes. <i>Journal of Alzheimer's Disease</i> , 2017, 56, 543-555.	2.6	10
66	Ethyl Pyruvate Attenuates Microglial NLRP3 Inflammasome Activation via Inhibition of HMGB1/NF- $\kappa$ B/miR-223 Signaling. <i>Antioxidants</i> , 2021, 10, 745.	5.1	10
67	Peptide Derivatives of Erythropoietin in the Treatment of Neuroinflammation and Neurodegeneration. <i>Advances in Protein Chemistry and Structural Biology</i> , 2018, 112, 309-357.	2.3	9
68	Lithium inhibits oxidative stress-induced neuronal senescence through miR-34a. <i>Molecular Biology Reports</i> , 2021, 48, 4171-4180.	2.3	9
69	Resveratrol Reduces Matrix Metalloproteinase-2 Activity Induced by Oxygen-Glucose Deprivation and Reoxygenation in Human Cerebral Microvascular Endothelial Cells. <i>International Journal for Vitamin and Nutrition Research</i> , 2012, 82, 267-274.	1.5	9
70	Follow-up Analysis of Serum TNF-Related Apoptosis-Inducing Ligand Protein and mRNA Expression in Peripheral Blood Mononuclear Cells from Patients with Ischemic Stroke. <i>Frontiers in Neurology</i> , 2018, 9, 102.	2.4	8
71	Oxygen exposure in early life activates NLRP3 inflammasome in mouse brain. <i>Neuroscience Letters</i> , 2020, 738, 135389.	2.1	7
72	White Matter Protection by Erythropoietin: An Emerging Matter in the Treatment of Neonatal Hypoxic-Ischemic Brain Injury. <i>Stroke</i> , 2010, 41, e595; author reply e596.	2.0	6

#	ARTICLE	IF	CITATIONS
73	Expression Patterns of Micro-RNAs 146a, 181a, and 155 in Subacute Sclerosing Panencephalitis. Journal of Child Neurology, 2015, 30, 69-74.	1.4	6
74	Does Antioxidant Supplementation Alter the Effects of Acute Exercise on Erythrocyte Aggregation, Deformability and Endothelium Adhesion in Untrained Rats?. International Journal for Vitamin and Nutrition Research, 2005, 75, 243-250.	1.5	5
75	Endothelial nitric oxide-mediated Nrf2 activation as a novel mechanism for vascular and neuroprotection by erythropoietin in experimental subarachnoid hemorrhage. Medical Hypotheses, 2006, 67, 424.	1.5	5
76	<sup>99m</sup> Tc-HMPAO labelling inhibits cell motility and cell proliferation and induces apoptosis of NCa€“NC cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2007, 631, 69-76.	1.7	5
77	MicroRNAs in Genetic Etiology of Human Diseases. Methods in Molecular Biology, 2022, 2257, 255-268.	0.9	5
78	Role of Exosomal MicroRNAs in Cell-to-Cell Communication. Methods in Molecular Biology, 2022, 2257, 269-292.	0.9	5
79	Erythropoietin and Parkinsonâ€™s disease: Suggested mechanisms and therapeutic implications. Medical Hypotheses, 2008, 70, 211-212.	1.5	3
80	Biological markers in cerebrospinal fluid (CSF) and evaluation of <i>in vitro</i> effect of CSF on PC12 cell line viability in Alzheimer's disease. Cell Biochemistry and Function, 2009, 27, 395-401.	2.9	2
81	Safety Concerns With the Clinical Use of Erythropoietin in Acute Ischemic Stroke. Stroke, 2010, 41, e469.	2.0	2
82	Melatonin Alters the miRNA Transcriptome of Inflammasome Activation in Murine Microglial Cells. Neurochemical Research, 2022, 47, 3202-3211.	3.3	2
83	Stem Cell-Based Approaches for Treatment of Glioblastoma. Stem Cells in Clinical Applications, 2017, , 65-82.	0.4	0
84	Proteomic analysis of erythropoietin-induced changes in neuron-like SH-SY5Y cells. Turkish Journal of Biochemistry, 2017, 42, 213-221.	0.5	0
85	Induced Pluripotent Stem Cell Therapy and Safety Concerns in Age-Related Chronic Neurodegenerative Diseases. Stem Cells in Clinical Applications, 2017, , 23-65.	0.4	0
86	Endothelial Protein C Receptor Expression is Regulated by Sp1 Transcription Factor in Murine Microglia. Journal of Basic and Clinical Health Sciences, 2021, 5, 6-13.	0.4	0
87	Erythropoietin Signaling and Neuroprotection. Current Signal Transduction Therapy, 2006, 1, 209-218.	0.5	0
88	Examination of IL-1Î² level as an inflammasome marker in Alzheimer's disease. Neurological Sciences and Neurophysiology, 2019, 36, 141-147.	0.3	0