

Nazan Uysal

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

2,624
citations

185998

28
h-index

189595

50
g-index

68
all docs

68
docs citations

68
times ranked

2966
citing authors

#	ARTICLE	IF	CITATIONS
1	Protective effect of melatonin against head trauma-induced hippocampal damage and spatial memory deficits in immature rats. <i>Neuroscience Letters</i> , 2005, 385, 234-239.	1.0	605
2	Erythropoietin improves long-term spatial memory deficits and brain injury following neonatal hypoxia-induced ischemia in rats. <i>Behavioural Brain Research</i> , 2004, 153, 77-86.	1.2	173
3	Effect of Melatonin on Testicular Damage in Streptozotocin-Induced Diabetes Rats. <i>European Surgical Research</i> , 2008, 40, 354-360.	0.6	159
4	The effects of regular aerobic exercise in adolescent period on hippocampal neuron density, apoptosis and spatial memory. <i>Neuroscience Letters</i> , 2005, 383, 241-245.	1.0	125
5	Effects of voluntary and involuntary exercise on cognitive functions, and VEGF and BDNF levels in adolescent rats. <i>Biotechnic and Histochemistry</i> , 2015, 90, 55-68.	0.7	114
6	Effect of melatonin on brain oxidative damage induced by traumatic brain injury in immature rats. <i>Physiological Research</i> , 2005, 54, 631-7.	0.4	75
7	Anxiety correlates to decreased blood and prefrontal cortex IGF-1 levels in streptozotocin induced diabetes. <i>Neuroscience Letters</i> , 2012, 531, 176-181.	1.0	63
8	Methamphetamine causes lipid peroxidation and an increase in superoxide dismutase activity in the rat striatum. <i>Brain Research</i> , 1998, 813, 200-202.	1.1	60
9	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.	2.1	58
10	Effects of sprint exercise on oxidative stress in skeletal muscle and liver. <i>European Journal of Applied Physiology</i> , 2002, 87, 141-144.	1.2	56
11	Maternal treadmill exercise during pregnancy decreases anxiety and increases prefrontal cortex VEGF and BDNF levels of rat pups in early and late periods of life. <i>Neuroscience Letters</i> , 2012, 516, 221-225.	1.0	56
12	Effects of melatonin on oxidative stress and spatial memory impairment induced by acute ethanol treatment in rats. <i>Physiological Research</i> , 2005, 54, 341-8.	0.4	53
13	Positive effects of aerobic exercise on learning and memory functioning, which correlate with hippocampal IGF-1 increase in adolescent rats. <i>Neuroscience Letters</i> , 2013, 549, 177-181.	1.0	49
14	Relationship between circulating IGF-1 levels and traumatic brain injury-induced hippocampal damage and cognitive dysfunction in immature rats. <i>Neuroscience Letters</i> , 2012, 507, 84-89.	1.0	47
15	Acute footshock-stress increases spatial learning memory and correlates to increased hippocampal BDNF and VEGF and cell numbers in adolescent male and female rats. <i>Neuroscience Letters</i> , 2012, 514, 141-146.	1.0	47
16	Maternal exercise decreases maternal deprivation induced anxiety of pups and correlates to increased prefrontal cortex BDNF and VEGF. <i>Neuroscience Letters</i> , 2011, 505, 273-278.	1.0	42
17	Regular aerobic exercise correlates with reduced anxiety and increased levels of irisin in brain and white adipose tissue. <i>Neuroscience Letters</i> , 2018, 676, 92-97.	1.0	41
18	The Effects of the Melatonin Treatment on the Oxidative Stress and Apoptosis in Diabetic Eye and Brain. <i>Scientific World Journal</i> , The, 2012, 2012, 1-5.	0.8	35

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19	The effect of melatonin on endotoxemia-induced intestinal apoptosis and oxidative stress in infant rats. <i>Intensive Care Medicine</i> , 2007, 33, 511-516.	3.9	34
20	The effects of single dose of methamphetamine on lipid peroxidation levels in the rat striatum and prefrontal cortex. <i>European Neuropsychopharmacology</i> , 2000, 10, 415-418.	0.3	32
21	Potential Novel Biomarkers for Diabetic Testicular Damage in Streptozotocin-Induced Diabetic Rats: Nerve Growth Factor Beta and Vascular Endothelial Growth Factor. <i>Disease Markers</i> , 2014, 2014, 1-7.	0.6	32
22	Age-dependent effects of maternal deprivation on oxidative stress in infant rat brain. <i>Neuroscience Letters</i> , 2005, 384, 98-101.	1.0	31
23	The effects of acute foot shock stress on empathy levels in rats. <i>Behavioural Brain Research</i> , 2018, 349, 31-36.	1.2	31
24	Preliminary investigation of sensitive biomarkers of trace metal pollution in mussel (<i>Mytilus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 T 339-345.	1.3	30
25	Progesterone treatment decreases traumatic brain injury induced anxiety and is correlated with increased serum IGF-1 levels; prefrontal cortex, amygdala, hippocampus neuron density; and reduced serum corticosterone levels in immature rats. <i>Biotechnic and Histochemistry</i> , 2013, 88, 250-257.	0.7	30
26	Serum IGF-1 levels correlate negatively to liver damage in diabetic rats. <i>Biotechnic and Histochemistry</i> , 2013, 88, 194-201.	0.7	30
27	Anxiety- and depression-like behavior are correlated with leptin and leptin receptor expression in prefrontal cortex of streptozotocin-induced diabetic rats. <i>Biotechnic and Histochemistry</i> , 2014, 89, 161-171.	0.7	30
28	The Effects of Oxytocin on Cognitive Defect Caused by Chronic Restraint Stress Applied to Adolescent Rats and on Hippocampal VEGF and BDNF Levels. <i>Medical Science Monitor</i> , 2015, 21, 69-75.	0.5	30
29	Effects of maternal deprivation on melatonin production and cognition in adolescent male and female rats. <i>Neuroendocrinology Letters</i> , 2005, 26, 555-60.	0.2	30
30	Positive effects of deprenyl and estradiol on spatial memory and oxidant stress in aged female rat brains. <i>Neuroscience Letters</i> , 2004, 354, 225-228.	1.0	29
31	Maternal Aerobic Exercise during Pregnancy Can Increase Spatial Learning by Affecting Leptin Expression on Offspring's Early and Late Period in Life Depending on Gender. <i>Scientific World Journal</i> , The, 2012, 2012, 1-8.	0.8	27
32	Effects of carbon dioxide exposure on early brain development in rats. <i>Biotechnic and Histochemistry</i> , 2014, 89, 371-383.	0.7	23
33	Exercise increases leptin levels correlated with IGF-1 in hippocampus and prefrontal cortex of adolescent male and female rats. <i>Journal of Chemical Neuroanatomy</i> , 2017, 81, 27-33.	1.0	22
34	Regular Aerobic Voluntary Exercise Increased Oxytocin in Female Mice: Cause to Decrease Anxiety and Increase Empathy-Like Behaviors. <i>Balkan Medical Journal</i> , 2019, 36, 257-262.	0.3	20
35	Methamphetamine causes depletion of glutathione and an increase in oxidized glutathione in the rat striatum and prefrontal cortex. <i>Neurotoxicity Research</i> , 2001, 3, 277-280.	1.3	19
36	Age-related changes in apoptosis in rat hippocampus induced by oxidative stress. <i>Biotechnic and Histochemistry</i> , 2012, 87, 98-104.	0.7	19

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37	Timeline (Bioavailability) of Magnesium Compounds in Hours: Which Magnesium Compound Works Best?. <i>Biological Trace Element Research</i> , 2019, 187, 128-136.	1.9	19
38	The combined treatment with progesterone and magnesium sulfate positively affects the traumatic brain injury in immature rats.. <i>Turkish Neurosurgery</i> , 2012, 23, 129-37.	0.1	19
39	Deprenyl and the relationship between its effects on spatial memory, oxidant stress and hippocampal neurons in aged male rats. <i>Physiological Research</i> , 2006, 55, 205-12.	0.4	19
40	Protective effect of melatonin against maternal deprivation-induced acute hippocampal damage in infant rats. <i>Neuroscience Letters</i> , 2006, 398, 145-150.	1.0	17
41	Effects of footshock stress on superoxide dismutase and glutathione peroxidase enzyme activities and thiobarbituric acid reactive substances levels in the rat prefrontal cortex and striatum. <i>Neuroscience Letters</i> , 2000, 289, 107-110.	1.0	16
42	Protective effects of deprenyl in transient cerebral ischemia in rats. <i>Chinese Journal of Physiology</i> , 2008, 51, 275-81.	0.4	15
43	Dose-Dependent Absorption Profile of Different Magnesium Compounds. <i>Biological Trace Element Research</i> , 2019, 192, 244-251.	1.9	13
44	Effect of L-carnitine on diabetogenic action of streptozotocin in rats. <i>Neuroendocrinology Letters</i> , 2005, 26, 419-22.	0.2	13
45	Acetaminophen (paracetamol) affects empathy-like behavior in rats: Dose-response relationship. <i>Pharmacology Biochemistry and Behavior</i> , 2018, 175, 146-151.	1.3	12
46	Anxiety caused by traumatic brain injury correlates to decreased prefrontal cortex vegf immunoreactivity and neuron density in immature rats. <i>Turkish Neurosurgery</i> , 2012, 22, 604-10.	0.1	12
47	Effects of acute footshock stress on antioxidant enzyme activities in the adolescent rat brain. <i>Physiological Research</i> , 2005, 54, 437-42.	0.4	12
48	The effect of exercise on anxiety- and depression-like behavior of aged rats. <i>Biotechnic and Histochemistry</i> , 2020, 95, 8-17.	0.7	11
49	Effects of exercise and poor indoor air quality on learning, memory and blood IGF-1 in adolescent mice. <i>Biotechnic and Histochemistry</i> , 2014, 89, 126-135.	0.7	9
50	A combination of ketogenic diet and voluntary exercise ameliorates anxiety and depression-like behaviors in Balb/c mice. <i>Neuroscience Letters</i> , 2022, 770, 136443.	1.0	9
51	Regular aerobic exercise increased VEGF levels in both soleus and gastrocnemius muscles correlated with hippocampal learning and VEGF levels. <i>Acta Neurobiologiae Experimentalis</i> , 2021, 81, 1-9.	0.4	8
52	Protective Effect of an Adenosine A1Receptor Agonist Against Metamidophos-Induced Toxicity and Brain Oxidative Stress. <i>Toxicology Mechanisms and Methods</i> , 2009, 19, 148-153.	1.3	7
53	Effects of administration of subtoxic doses of acetaminophen on liver and blood levels of insulin-like growth factor-1 in rats. <i>Toxicology and Industrial Health</i> , 2016, 32, 39-46.	0.6	7
54	Statins reduce testicular and ocular VEGF: A potential compromise to microcirculation. <i>Microvascular Research</i> , 2018, 119, 60-63.	1.1	7

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55	Dose dependent effects of oxytocin on cognitive defects and anxiety disorders in adult rats following acute infantile maternal deprivation stress. <i>Biotechnic and Histochemistry</i> , 2019, 94, 469-480.	0.7	6
56	Does Antioxidant Supplementation Alter the Effects of Acute Exercise on Erythrocyte Aggregation, Deformability and Endothelium Adhesion in Untrained Rats?. <i>International Journal for Vitamin and Nutrition Research</i> , 2005, 75, 243-250.	0.6	5
57	Nicotine increased VEGF and MMP2 levels in the rat eye and kidney. <i>Environmental Science and Pollution Research</i> , 2019, 26, 33517-33523.	2.7	5
58	Magnesium Citrate Increases Pain Threshold and Reduces TLR4 Concentration in the Brain. <i>Biological Trace Element Research</i> , 2021, 199, 1954-1966.	1.9	5
59	Empathy as a Concept from Bench to Bedside: A Translational Challenge. <i>Noropsikiyatri Arsivi</i> , 2019, 57, 71-77.	0.2	5
60	Lipid peroxidation and antioxidant enzyme levels of intestinal renal and muscle tissues after a 60 minutes exercise in trained mice. <i>Indian Journal of Physiology and Pharmacology</i> , 2000, 44, 419-27.	0.4	4
61	The Chronic Use of Magnesium Decreases VEGF Levels in the Uterine Tissue in Rats. <i>Biological Trace Element Research</i> , 2020, 196, 545-551.	1.9	3
62	The effects of chronic restraint stress on empathy-like behaviour in rats. <i>Neuroscience Letters</i> , 2021, 765, 136255.	1.0	3
63	Antioxidant enzyme levels in intestinal and renal tissues after a 60-minute exercise in untrained mice. <i>Acta Physiologica Hungarica</i> , 2001, 88, 55-62.	0.9	2
64	Mild-intensity Exercise Triggers VEGF in the Digestive Tract Via Both Hypoxic and Nonhypoxic Mechanisms. <i>Brazilian Archives of Biology and Technology</i> , 0, 63, .	0.5	2
65	Atorvastatin ve Melatonin Tedavisinin Diyabetik SÄ±ÅŞan PankreasÄ±nda Oksidatif Stres ve Apoptozise Etkilerinin Histolojik Ä°ncelemesi. <i>Kafkas Universitesi Veteriner Fakultesi Dergisi</i> , 2009, , .	0.0	1
66	An anxiolytic drug buspirone ameliorates hyperglycemia and endothelial dysfunction in type 2 diabetic rat model. <i>Turkish Journal of Biochemistry</i> , 2020, 45, 397-404.	0.3	1
67	Nicotine lowers TNF-Î±, IL-1b secretion and leukocyte accumulation via nAChR in rat stomach. <i>Toxin Reviews</i> , 2021, 40, 17-24.	1.5	0
68	Comparison anti-oxidant and neuroprotective effects of extra-virgin olive oil, donepezil and rosmarinic acid on aluminum chloride-induced Alzheimerâ€™s in rat models. <i>Ankara Universitesi Veteriner Fakultesi Dergisi</i> , 2022, 69, 171-181.	0.4	0