

# Tuncay KuloÄlu

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

1,891  
citations

304743

22  
h-index

276875

41  
g-index

71  
all docs

71  
docs citations

71  
times ranked

2728  
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive immunohistochemical examination of the distribution of the fat-burning protein irisin in biological tissues. <i>Peptides</i> , 2014, 61, 130-136.	2.4	163
2	Cardiac, skeletal muscle and serum irisin responses to with or without water exercise in young and old male rats: Cardiac muscle produces more irisin than skeletal muscle. <i>Peptides</i> , 2014, 52, 68-73.	2.4	133
3	Insecticide imidacloprid induces morphological and DNA damage through oxidative toxicity on the reproductive organs of developing male rats. <i>Cell Biochemistry and Function</i> , 2012, 30, 492-499.	2.9	128
4	Expression of adropin in rat brain, cerebellum, kidneys, heart, liver, and pancreas in streptozotocin-induced diabetes. <i>Molecular and Cellular Biochemistry</i> , 2013, 380, 73-81.	3.1	120
5	Irisin: A potentially candidate marker for myocardial infarction. <i>Peptides</i> , 2014, 55, 85-91.	2.4	98
6	Alterations of irisin concentrations in saliva and serum of obese and normal-weight subjects, before and after 45min of a Turkish bath or running. <i>Peptides</i> , 2013, 50, 13-18.	2.4	93
7	Today's and yesterday's of pathophysiology: Biochemistry of metabolic syndrome and animal models. <i>Nutrition</i> , 2014, 30, 1-9.	2.4	91
8	Protective effects of nanostructures of hydrated C60 fullerene on reproductive function in streptozotocin-diabetic male rats. <i>Toxicology</i> , 2011, 282, 69-81.	4.2	86
9	Copeptin, adropin and irisin concentrations in breast milk and plasma of healthy women and those with gestational diabetes mellitus. <i>Peptides</i> , 2013, 47, 66-70.	2.4	84
10	Decreased saliva/serum irisin concentrations in the acute myocardial infarction promising for being a new candidate biomarker for diagnosis of this pathology. <i>Peptides</i> , 2014, 56, 141-145.	2.4	82
11	Ellagic acid impedes carbontetrachloride-induced liver damage in rats through suppression of NF- $\kappa$ B, Bcl-2 and regulating Nrf-2 and caspase pathway. <i>Biomedicine and Pharmacotherapy</i> , 2018, 105, 662-669.	5.6	50
12	Effects of clothianidin exposure on sperm quality, testicular apoptosis and fatty acid composition in developing male rats. <i>Cell Biology and Toxicology</i> , 2012, 28, 187-200.	5.3	44
13	Hepatotoxic activity of toluene inhalation and protective role of melatonin. <i>Toxicology and Industrial Health</i> , 2011, 27, 465-473.	1.4	43
14	The increased expression of Piezo1 and Piezo2 ion channels in human and mouse bladder carcinoma. <i>Advances in Clinical and Experimental Medicine</i> , 2018, 27, 1025-1031.	1.4	39
15	Regulatory neuropeptides (ghrelin, obestatin and nesfatin-1) levels in serum and reproductive tissues of female and male rats with fructose-induced metabolic syndrome. <i>Neuropeptides</i> , 2014, 48, 167-177.	2.2	35
16	Effect of carnosine supplementation on apoptosis and irisin, total oxidant and antioxidants levels in the serum, liver and lung tissues in rats exposed to formaldehyde inhalation. <i>Peptides</i> , 2015, 64, 14-23.	2.4	34
17	Effect of carnosine, methylprednisolone and their combined application on irisin levels in the plasma and brain of rats with acute spinal cord injury. <i>Neuropeptides</i> , 2015, 52, 47-54.	2.2	33
18	Effects of resveratrol on blood homocysteine level, on homocysteine induced oxidative stress, apoptosis and cognitive dysfunctions in rats. <i>Brain Research</i> , 2012, 1484, 29-38.	2.2	32

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19	Elevated adropin: A candidate diagnostic marker for myocardial infarction in conjunction with troponin-I. <i>Peptides</i> , 2014, 58, 91-97.	2.4	32
20	Potential role of melastatin-related transient receptor potential cation channel subfamily M gene expression in the pathogenesis of urinary bladder cancer. <i>Oncology Letters</i> , 2016, 12, 5235-5239.	1.8	32
21	Effects of the neonicotinoid insecticide, clothianidin, on the reproductive organ system in adult male rats. <i>Drug and Chemical Toxicology</i> , 2013, 36, 421-429.	2.3	31
22	Concentrations of preptin, salusins and hepcidins in plasma and milk of lactating women with or without gestational diabetes mellitus. <i>Peptides</i> , 2013, 49, 123-130.	2.4	30
23	Expression of asprosin in rat hepatic, renal, heart, gastric, testicular and brain tissues and its changes in a streptozotocin-induced diabetes mellitus model. <i>Tissue and Cell</i> , 2020, 66, 101397.	2.2	26
24	TRPM2 mediates disruption of autophagy machinery and correlates with the grade level in prostate cancer. <i>Journal of Cancer Research and Clinical Oncology</i> , 2019, 145, 1297-1311.	2.5	21
25	Effects of pinealectomy and exogenous melatonin on ghrelin and peptide YY in gastrointestinal system and neuropeptide Y in hypothalamic arcuate nucleus: Immunohistochemical studies in male rats. <i>Regulatory Peptides</i> , 2008, 146, 197-203.	1.9	20
26	Neuroprotective and antioxidant effects of ghrelin in an experimental glaucoma model. <i>Drug Design, Development and Therapy</i> , 2015, 9, 2819.	4.3	19
27	Serum, Saliva, and Urine Irisin with and without Acute Appendicitis and Abdominal Pain. <i>Biochemistry Insights</i> , 2016, 9, BCI.S39671.	3.3	19
28	The apoptotic effect of a high dose of toluene on liver tissue during the acute phase: an experimental study. <i>Toxicology and Industrial Health</i> , 2013, 29, 728-736.	1.4	17
29	Investigation of the effects of unilateral total salpingectomy on ovarian proliferating cell nuclear antigen and follicular reserve: experimental study. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2015, 188, 56-60.	1.1	15
30	Comparison of the therapeutic effects of sildenafil citrate, heparin and neuropeptides in a rat model of acetic acid-induced gastric ulcer. <i>Life Sciences</i> , 2017, 186, 102-110.	4.3	15
31	The combined effect of pomegranate extract and tangeretin on the DMBA-induced breast cancer model. <i>Journal of Nutritional Biochemistry</i> , 2021, 89, 108566.	4.2	15
32	Effects of Vitamin D3(Cholecalciferol) on Adriamycin-Induced Nephrotoxicity. <i>Renal Failure</i> , 2009, 31, 400-405.	2.1	14
33	Impact of intracystic ethanol instillation on ovarian cyst diameter and adjacent ovarian tissue. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2014, 174, 133-136.	1.1	14
34	Comparison of irisin hormone expression between thyroid cancer tissues and oncocytic variant cells. <i>Cancer Management and Research</i> , 2019, Volume 11, 2595-2603.	1.9	13
35	Ghrelin action on GnRH neurons and pituitary gonadotropes might be mediated by GnRH-GPR147 system. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2016, 25, 121-128.	0.7	12
36	Determination of Ghrelin Immunoreactivity in Kidney Tissues of Diabetic Rats. <i>Renal Failure</i> , 2009, 31, 562-566.	2.1	11

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37	The effect of iloprost and sildenafil, alone and in combination, on myocardial ischaemia and nitric oxide and irisin levels. <i>Cardiovascular Journal of Africa</i> , 2017, 28, 389-396.	0.4	10
38	Modulation of Excitability of Stellate Neurons in the Ventral Cochlear Nucleus of Mice by ATP-Sensitive Potassium Channels. <i>Journal of Membrane Biology</i> , 2018, 251, 163-178.	2.1	9
39	Adropin as a potential marker of enzyme-positive acute coronary syndrome. <i>Cardiovascular Journal of Africa</i> , 2017, 28, 40-47.	0.4	9
40	HSP70 immune reactivity and TUNEL positivity in the liver of toluene-inhaled and melatonin-treated rats. <i>Toxicology and Industrial Health</i> , 2013, 29, 514-522.	1.4	8
41	A novel candidate molecule in pathological grading of gliomas: elabela. <i>Turkish Neurosurgery</i> , 2018, 28, 989-994.	0.2	8
42	Ghrelin in the pilosebaceous unit: alteration of ghrelin in patients with acne vulgaris. <i>European Journal of Dermatology</i> , 2015, 25, 323-328.	0.6	7
43	Protective effects of vitamin C and vitamin E against hysterosalpingography-induced epithelial degeneration and proliferation in rat endometrium. <i>Drug Design, Development and Therapy</i> , 2016, Volume 10, 4079-4089.	4.3	7
44	Transient receptor potential melastatin 2 ion channel activity in ovarian hyperstimulation syndrome physiopathology. <i>Turkish Journal of Medical Sciences</i> , 2021, 51, 787-795.	0.9	7
45	Expression changes of antioxidant, apoptotic, anti-apoptotic genes and miR-15b-34a-21-98 in over tissue by using erythromycin, quinacrine and tetracycline in non-surgical sterilization. <i>Molecular Biology Reports</i> , 2014, 41, 8093-8098.	2.3	6
46	Protective effects of vitamin D3 against d-galactosamine-induced liver injury in rats. <i>Tissue and Cell</i> , 2016, 48, 356-360.	2.2	6
47	Is there any difference between endometrial hyperplasia and endometrial carcinoma in terms of expression of TRPM2 and TRPM7 ion channels?. <i>Turkish Journal of Medical Sciences</i> , 2019, 49, 653-660.	0.9	6
48	The relationship between visfatin and cardiac markers on induced myocardial infarction in rats. <i>Cytokine</i> , 2019, 115, 116-120.	3.2	6
49	Examination of the effect of ovarian radiation injury induced by hysterosalpingography on ovarian proliferating cell nuclear antigen and the radioprotective effect of amifostine: an experimental study. <i>Drug Design, Development and Therapy</i> , 2018, Volume 12, 1491-1500.	4.3	5
50	Verapamil-induced ion channel and miRNA expression changes in rat testis and/or spermatozoa may be associated with male infertility. <i>Andrologia</i> , 2020, 52, e13778.	2.1	5
51	The decrease in hippocampal transient receptor potential M2 (TRPM2) channel and muscarinic acetylcholine receptor 1 (CHRM1) is associated with memory loss in a surgical menopause rat model. <i>Archives of Medical Science</i> , 2021, 17, 228-235.	0.9	5
52	Carbamazepine-induced sperm disorders can be associated with the altered expressions of testicular KCNJ11/miR-let7a and spermatozoal CFTR/miR-27a. <i>Andrologia</i> , 2021, 53, e13954.	2.1	5
53	Effects of Alpha Lipoic Acid on Loss of Myelin Sheath of Sciatic Nerve in Experimentally Induced Diabetic Rats. <i>Medicinski Arhiv = Medical Archives = Archives De Médecine</i> , 2018, 72, 178.	0.9	4
54	The protective effects of Anakinra in a neonatal rat model of necrotizing enterocolitis. <i>Turkish Journal of Medical Sciences</i> , 2021, 51, 2727-2733.	0.9	4

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55	Hepatoprotective properties for Salvia cryptantha extract on carbon tetrachloride-induced liver injury. Cellular and Molecular Biology, 2017, 63, 56-62.	0.9	4
56	The effect of ethanol sclerotherapy of 5 minutes duration on cyst diameter and rat ovarian tissue in simple ovarian cysts. Drug Design, Development and Therapy, 2015, 9, 1341.	4.3	3
57	The effects of sclerotherapy with 5% trichloroacetic acid on the cyst diameter and ovarian tissue in the rat ovarian cyst model. Journal of Obstetrics and Gynaecology, 2018, 38, 686-692.	0.9	3
58	Protective effect of pregabalin on the brain tissue of diabetic rats. Diabetology International, 2021, 12, 207-216.	1.4	3
59	Hepatoprotective properties for Salvia cryptantha extract on carbon tetrachloride-induced liver injury. Cellular and Molecular Biology, 2017, 63, 56.	0.9	3
60	An Investigation of Saliva and Plasma Levels of Urotensin-2 in Recently Diagnosed Type 2 Diabetes Mellitus Patients on Metformin Treatment. Endokrynologia Polska, 2020, 71, 249-255.	1.0	3
61	Effects of vitamin D on kidney histology and trpv1 channels in doxorubicin-induced nephropathy. International Journal of Clinical and Experimental Medicine, 2015, 8, 13548-55.	1.3	3
62	Comparison of the efficacy between bilateral proximal tubal occlusion and total salpingectomy on ovarian reserve and the cholinergic system: an experimental study. Turkish Journal of Medical Sciences, 2020, 50, 1097-1105.	0.9	2
63	The effect of polypropylene mesh on different layers to the formation of collagen type I/ III ratio and total collagen density in incisional hernia repair. International Surgery Journal, 2018, 5, 2942.	0.1	2
64	Investigation of treatment efficacy of 10% povidone-iodine sclerotherapy on ovarian cyst diameter: an experimental study. Turkish Journal of Medical Sciences, 2019, 49, 795-801.	0.9	1
65	The Protective Effect of Cortixin on Cisplatin-Induced Ototoxicity. Journal of International Advanced Otolaryngology, 2018, 14, 27-33.	1.0	1
66	Effects of vitamin D on apoptosis and betatrophin in the kidney tissue of experimental diabetic rats. Acta Biomedica, 2020, 91, e2020089.	0.3	1
67	Increased Circulatory Extrarenal 1,25-Dihydroxyvitamin D3 in Bilaterally Nephrectomized Rats. Endocrine, Metabolic and Immune Disorders - Drug Targets, 2020, 20, 1523-1530.	1.2	1
68	DeneySEL Serebral İskemi-Reperfüzyon Oluşturulmuş Ratlarda Memantin Koruyucu Etkilerinin İncelenmesi. Turk Noroloji Dergisi = Turkish Journal of Neurology, 2013, 19, 85-89.	0.3	0
69	Efficacy of Sclerotherapeutic Agents in the Treatment of Simple Ovarian Cysts Created by Experimental Rat Model. İstanbul Medical Journal, 2020, 21, 200-206.	0.1	0
70	Biochemical and Histopathological Investigation of Liver Tissues on High Fat Diet Fed Rats. Meandros Medical and Dental Journal, 2022, 23, 101-107.	0.2	0
71	Sildenafil for the treatment of necrotizing enterocolitis: an experimental study. Biyokimya Dergisi, 2022, .	0.5	0