

# Bilge Guvenc Tuna

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

846  
citations

759233

12  
h-index

501196

28  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1555  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards frailty biomarkers: Candidates from genes and pathways regulated in aging and age-related diseases. <i>Ageing Research Reviews</i> , 2018, 47, 214-277.	10.9	309
2	Mouse models of ageing and their relevance to disease. <i>Mechanisms of Ageing and Development</i> , 2016, 160, 41-53.	4.6	82
3	Staphylococcus aureus detection in blood samples by silica nanoparticle-oligonucleotides conjugates. <i>Biosensors and Bioelectronics</i> , 2016, 86, 27-32.	10.1	64
4	The Redox State of Transglutaminase 2 Controls Arterial Remodeling. <i>PLoS ONE</i> , 2011, 6, e23067.	2.5	44
5	Noncoding RNAs in age-related cardiovascular diseases. <i>Ageing Research Reviews</i> , 2022, 77, 101610.	10.9	33
6	Smooth Muscle Biomechanics and Plasticity: Relevance for Vascular Calibre and Remodelling. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2012, 110, 35-41.	2.5	30
7	Effects of carbendazim and astaxanthin co-treatment on the proliferation of MCF-7 breast cancer cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2019, 55, 113-119.	1.5	29
8	Effects of Organophosphate Insecticides on Mechanical Properties of Rat Aorta. <i>Physiological Research</i> , 2011, 60, 39-46.	0.9	28
9	Transglutaminase activity regulates atherosclerotic plaque composition at locations exposed to oscillatory shear stress. <i>Atherosclerosis</i> , 2012, 224, 355-362.	0.8	23
10	Vascular smooth muscle cells remodel collagen matrices by long-distance action and anisotropic interaction. <i>Medical and Biological Engineering and Computing</i> , 2012, 50, 701-715.	2.8	15
11	Relation between active and passive biomechanics of small mesenteric arteries during remodeling. <i>Journal of Biomechanics</i> , 2013, 46, 1420-1426.	2.1	13
12	Effects of Chronic and Intermittent Calorie Restriction on Adropin Levels in Breast Cancer. <i>Nutrition and Cancer</i> , 2017, 69, 1003-1010.	2.0	13
13	Modelling physical resilience in ageing mice. <i>Mechanisms of Ageing and Development</i> , 2019, 177, 91-102.	4.6	13
14	Integrative Modeling of Small Artery Structure and Function Uncovers Critical Parameters for Diameter Regulation. <i>PLoS ONE</i> , 2014, 9, e86901.	2.5	12
15	The Effect of Sleeve Pattern and Fit on E-Textile Electromyography (EMG) Electrode Performance in Smart Clothing Design. <i>Sensors</i> , 2021, 21, 5621.	3.8	11
16	Smooth Muscle Contractile Plasticity in Rat Mesenteric Small Arteries: Sensitivity to Specific Vasoconstrictors, Distension and Inflammatory Cytokines. <i>Journal of Vascular Research</i> , 2013, 50, 249-262.	1.4	10
17	Testosterone and $\hat{1}^2$ -oestradiol prevent inward remodelling of rat small mesenteric arteries: role of NO and transglutaminase. <i>Clinical Science</i> , 2013, 124, 719-728.	4.3	9
18	Genotyping of single nucleotide polymorphism by probe-gated silica nanoparticles. <i>Analytical Biochemistry</i> , 2017, 537, 78-83.	2.4	9

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19	Effects of long-term intermittent versus chronic calorie restriction on oxidative stress in a mouse cancer model. <i>IUBMB Life</i> , 2019, 71, 1973-1985.	3.4	9
20	Effects of two types of energy restriction on methylation levels of adiponectin receptor 1 and leptin receptor overlapping transcript in a mouse mammary tumour virus-transforming growth factor- $\beta$ breast cancer mouse model. <i>British Journal of Nutrition</i> , 2021, 125, 1-9.	2.3	9
21	Enhanced antitumor activity of carbendazim on HeLa cervical cancer cells by aptamer mediated controlled release. <i>RSC Advances</i> , 2019, 9, 36005-36010.	3.6	8
22	Hydrogen peroxide prolongs mitotic arrest in a dose dependent manner and independently of the spindle assembly checkpoint activity in <i>Saccharomyces cerevisiae</i> . <i>Acta Biologica Hungarica</i> , 2017, 68, 477-489.	0.7	7
23	Cerebral Artery Remodeling in Rodent Models of Subarachnoid Hemorrhage. <i>Journal of Vascular Research</i> , 2015, 52, 103-115.	1.4	6
24	Roles of adiponectin and leptin signaling-related microRNAs in the preventive effects of calorie restriction in mammary tumor development. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021, 46, 866-876.	1.9	6
25	Electrophysiological effects of polyethylene glycol modified gold nanoparticles on mouse hippocampal neurons. <i>Heliyon</i> , 2020, 6, e05824.	3.2	6
26	A dynamic approach reveals non-muscle myosin influences the overall smooth muscle cross-bridge cycling rate. <i>FEBS Letters</i> , 2010, 584, 2862-2866.	2.8	5
27	Transcriptome Analysis of the Thymus in Short-Term Calorie-Restricted Mice Using RNA-seq. <i>International Journal of Genomics</i> , 2018, 2018, 1-10.	1.6	5
28	Detection of viruses by probe-gated silica nanoparticles directly from swab samples. <i>Talanta</i> , 2022, 246, 123429.	5.5	5
29	Long-term chronic caloric restriction alters miRNA profiles in the brain of ageing mice. <i>British Journal of Nutrition</i> , 2022, 127, 641-652.	2.3	4
30	Effects of different glucose concentrations on the leptin signaling pathway in MCF-7 and T47D breast cancer cells. <i>Annals of Medical Research</i> , 2019, 26, 2966.	0.1	4
31	Anticancer properties of astaxanthin: A molecule of great promise. , 2021, , 427-445.		3
32	Roles of Adiponectin Signaling Related Proteins in Mammary Tumor Development. <i>Laparoscopic Endoscopic Surgical Science</i> , 2019, 30, 290-295.	0.0	3
33	The effect of modified gold nanoparticles on the function of neurons of mice hippocampal brain slices. <i>Mersin Üniversitesi Saġlık Bilimleri Dergisi</i> , 2019, 12, 328-340.	0.4	3
34	Surface plasmon resonance aptasensor for soluble ICAM-1 protein in blood samples. <i>Analyst</i> , The, 2022, 147, 1663-1668.	3.5	3
35	Leptin Signaling in Liver Tissue of a Transgenic Breast Cancer Mouse Model. <i>Cureus</i> , 2020, 12, e6737.	0.5	2
36	Understanding the Effect of Clothing Pattern On E-Textile Electromyography (EMG) Electrode Performance. , 2020, , .		1

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37	Detection of Viruses by Probe-Gated Silica Nanoparticles Directly from Swab Samples. SSRN Electronic Journal, 0, , .	0.4	1
38	Association between tumor development and oxidative stress in MMTV-TGF- $\beta$ mice applied different types of calorie restriction. Toxicology Letters, 2017, 280, S112.	0.8	0
39	Acquisition of 3D Natural Scaffold by Decellularization. , 2017, , .		0
40	Identification of immune-related genes in thymus of breast cancer mouse model exposed to different calorie restriction. Turkish Journal of Biochemistry, 2019, 44, 635-645.	0.5	0
41	Intrinsic balance of small artery active and passive diameter-tension relations. FASEB Journal, 2013, 27, 902.6.	0.5	0
42	Cerebral arterial wall remodeling following subarachnoid hemorrhage (853.5). FASEB Journal, 2014, 28, 853.5.	0.5	0
43	Aging in Rodents. , 2019, , .		0
44	P.26 Liver Transglutaminase 2 Level Comparison Among Different Dietary Interventions. Artery Research, 2020, 26, S49-S49.	0.6	0
45	A Pilot Study on Electrode-skin Impedance Analysis of Embroidered EMG Electrodes. EAI/Springer Innovations in Communication and Computing, 2020, , 365-371.	1.1	0
46	Effects of leptin on the viability of MCF-7 and T47D cells at different glucose concentrations. Journal of Experimental and Clinical Medicine (Turkey), 2020, 37, 119-125.	0.2	0