

Betul Karademir

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71 papers	2,238 citations	22 h-index	46 g-index
79 ext. papers	2,552 ext. citations	5.1 avg, IF	5.09 L-index

#	Paper	IF	Citations
71	The proteasomal system. <i>Molecular Aspects of Medicine</i> , 2009 , 30, 191-296	16.7	315
70	Resveratrol: French paradox revisited. <i>Frontiers in Pharmacology</i> , 2012 , 3, 141	5.6	280
69	Protein damage, repair and proteolysis. <i>Molecular Aspects of Medicine</i> , 2014 , 35, 1-71	16.7	165
68	HSP70 mediates dissociation and reassociation of the 26S proteasome during adaptation to oxidative stress. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 1355-64	7.8	158
67	Lipofuscin inhibits the proteasome by binding to surface motifs. <i>Free Radical Biology and Medicine</i> , 2011 , 50, 585-91	7.8	90
66	Exploring oxidative modifications of tyrosine: an update on mechanisms of formation, advances in analysis and biological consequences. <i>Free Radical Research</i> , 2015 , 49, 347-73	4	74
65	Basic mechanisms in endoplasmic reticulum stress and relation to cardiovascular diseases. <i>Free Radical Biology and Medicine</i> , 2015 , 78, 30-41	7.8	74
64	Age-related differences in oxidative protein-damage in young and senescent fibroblasts. <i>Archives of Biochemistry and Biophysics</i> , 2009 , 483, 127-35	4.1	62
63	Effects of vitamin E on peroxisome proliferator-activated receptor α and nuclear factor-erythroid 2-related factor 2 in hypercholesterolemia-induced atherosclerosis. <i>Free Radical Biology and Medicine</i> , 2014 , 70, 174-81	7.8	60
62	Regulation of protein turnover by heat shock proteins. <i>Free Radical Biology and Medicine</i> , 2014 , 77, 195-209	7.8	58
61	The proteasome is an integral part of solar ultraviolet a radiation-induced gene expression. <i>Journal of Biological Chemistry</i> , 2009 , 284, 30076-86	5.4	52
60	Endoplasmic reticulum stress related molecular mechanisms in nonalcoholic steatohepatitis. <i>Mechanisms of Ageing and Development</i> , 2016 , 157, 17-29	5.6	52
59	Proteasome inhibitors in cancer therapy: Treatment regimen and peripheral neuropathy as a side effect. <i>Free Radical Biology and Medicine</i> , 2017 , 103, 1-13	7.8	49
58	Methiocarb-induced oxidative damage following subacute exposure and the protective effects of vitamin E and taurine in rats. <i>Food and Chemical Toxicology</i> , 2009 , 47, 1676-84	4.7	47
57	Chromatin repair after oxidative stress: role of PARP-mediated proteasome activation. <i>Free Radical Biology and Medicine</i> , 2010 , 48, 673-80	7.8	45
56	Effects of trichlorfon on malondialdehyde and antioxidant system in human erythrocytes. <i>Toxicology in Vitro</i> , 2007 , 21, 1538-44	3.6	44
55	Cathepsins D and L reduce the toxicity of advanced glycation end products. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 1011-23	7.8	41

54	Acrylamide-induced oxidative stress in human erythrocytes. <i>Human and Experimental Toxicology</i> , 2009 , 28, 611-7	3.4	36
53	Lipid rafts and redox regulation of cellular signaling in cholesterol induced atherosclerosis. <i>Current Cardiology Reviews</i> , 2010 , 6, 309-24	2.4	28
52	Protective effects of different exercise modalities in an Alzheimer's disease-like model. <i>Behavioural Brain Research</i> , 2017 , 328, 159-177	3.4	26
51	Age-related loss of stress-induced nuclear proteasome activation is due to low PARP-1 activity. <i>Free Radical Biology and Medicine</i> , 2011 , 50, 86-92	7.8	26
50	Quercetin-Induced Cell Death in Human Papillary Thyroid Cancer (B-CPAP) Cells. <i>Journal of Thyroid Research</i> , 2016 , 2016, 9843675	2.6	23
49	Production and characterization of elastomeric cardiac tissue-like patches for Myocardial Tissue Engineering. <i>Polymer Testing</i> , 2020 , 90, 106613	4.5	21
48	Identification of differentially expressed proteins in atherosclerotic aorta and effect of vitamin E. <i>Journal of Proteomics</i> , 2013 , 92, 260-73	3.9	21
47	Glioblastoma cell adhesion properties through bacterial cellulose nanocrystals in polycaprolactone/gelatin electrospun nanofibers. <i>Carbohydrate Polymers</i> , 2020 , 233, 115820	10.3	20
46	Co-Culture of Keratinocyte-Staphylococcus aureus on Cu-Ag-Zn/CuO and Cu-Ag-W Nanoparticle Loaded Bacterial Cellulose:PMMA Bandages. <i>Macromolecular Materials and Engineering</i> , 2019 , 304, 1800537	3.9	19
45	Protective effects of vitamin E against hypercholesterolemia-induced age-related diseases. <i>Genes and Nutrition</i> , 2012 , 7, 91-8	4.3	18
44	The potential use of natural products to negate hepatic, renal and neuronal toxicity induced by cancer therapeutics. <i>Biochemical Pharmacology</i> , 2020 , 173, 113551	6	18
43	Fabrication of tissue-engineered tympanic membrane patches using 3D-Printing technology. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2021 , 114, 104219	4.1	18
42	Proteomic approach for understanding milder neurotoxicity of Carfilzomib against Bortezomib. <i>Scientific Reports</i> , 2018 , 8, 16318	4.9	18
41	3D Printing Artificial Blood Vessel Constructs Using PCL/Chitosan/Hydrogel Biocomposites. <i>ChemistrySelect</i> , 2019 , 4, 2387-2391	1.8	17
40	Repair of critical size defects using bioactive glass seeded with adipose-derived mesenchymal stem cells. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2017 , 105, 1002-1008	3.5	16
39	Design and characterization of polycaprolactone-gelatin-graphene oxide scaffolds for drug influence on glioblastoma cells. <i>European Polymer Journal</i> , 2019 , 115, 157-165	5.2	16
38	Potential role of proteasome on c-jun related signaling in hypercholesterolemia induced atherosclerosis. <i>Redox Biology</i> , 2014 , 2, 732-8	11.3	16
37	Polycaprolactone/Gelatin/Hyaluronic Acid Electrospun Scaffolds to Mimic Glioblastoma Extracellular Matrix. <i>Materials</i> , 2020 , 13,	3.5	15

36	Acute effects of methiocarb on oxidative damage and the protective effects of vitamin E and taurine in the liver and kidney of Wistar rats. <i>Toxicology and Industrial Health</i> , 2013 , 29, 60-71	1.8	15
35	Endoplasmic reticulum stress and proteasomal system in amyotrophic lateral sclerosis. <i>Free Radical Biology and Medicine</i> , 2015 , 88, 42-50	7.8	13
34	3D printed artificial cornea for corneal stromal transplantation. <i>European Polymer Journal</i> , 2020 , 133, 109744	5.2	13
33	PPP2R3C gene variants cause syndromic 46,XY gonadal dysgenesis and impaired spermatogenesis in humans. <i>European Journal of Endocrinology</i> , 2019 , 180, 291-309	6.5	12
32	CD36 expression in peripheral blood mononuclear cells reflects the onset of atherosclerosis. <i>BioFactors</i> , 2018 , 44, 588-596	6.1	9
31	The role of heat stress on the age related protein carbonylation. <i>Journal of Proteomics</i> , 2013 , 89, 238-543	3.9	9
30	Cellular protection and therapeutic potential of tocotrienols. <i>Current Pharmaceutical Design</i> , 2011 , 17, 2215-20	3.3	9
29	Turnover of oxidatively modified proteins: the usage of in vitro and metabolic labeling. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 8-13	7.8	9
28	Higher proteotoxic stress rather than mitochondrial damage is involved in higher neurotoxicity of bortezomib compared to carfilzomib. <i>Redox Biology</i> , 2020 , 32, 101502	11.3	8
27	CD36 as a biomarker of atherosclerosis. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S10	7.8	8
26	Nrf2 silencing to inhibit proteolytic defense induced by hyperthermia in HT22 cells. <i>Redox Biology</i> , 2016 , 8, 323-32	11.3	8
25	Encapsulation of indocyanine green in poly(lactic acid) nanofibers for using as a nanoprobe in biomedical diagnostics. <i>Materials Letters</i> , 2018 , 228, 148-151	3.3	7
24	Controlled Release of Metformin Hydrochloride from Core-Shell Nanofibers with Fish Sarcoplasmic Protein. <i>Medicina (Lithuania)</i> , 2019 , 55,	3.1	7
23	The effect of resveratrol on signal transduction pathways and the role of pro-apoptotic Bax protein on apoptosis in HCT- 116 colon carcinoma cell lines. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S27	7.8	7
22	Indocyanine green based fluorescent polymeric nanoprobe for in vitro imaging. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020 , 108, 538-554	3.5	7
21	The role of hypercholesterolemic diet and vitamin E on Nrf2 pathway, endoplasmic reticulum stress and proteasome activity. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S24	7.8	6
20	Hypercholesterolemia increases vasospasm resulting from basilar artery subarachnoid hemorrhage in rabbits which is attenuated by Vitamin E 2011 , 2, 29		6
19	Propolis-Based Nanofiber Patches to Repair Corneal Microbial Keratitis. <i>Molecules</i> , 2021 , 26,	4.8	6

18	Cytotoxicity of Different Nano Composite Resins on Human Gingival and Periodontal Ligament Fibroblast Cell Lines: An In Vitro Study. <i>Biomedicines</i> , 2020 , 8,	4.8	5
17	Production and characterization of bacterial cellulose scaffold and its modification with hyaluronic acid and gelatin for glioblastoma cell culture. <i>Cellulose</i> , 2021 , 28, 117-132	5.5	5
16	HSP70 Inhibition Leads to the Activation of Proteasomal System under Mild Hyperthermia Conditions in Young and Senescent Fibroblasts. <i>Oxidative Medicine and Cellular Longevity</i> , 2020 , 2020, 9369524	6.7	4
15	Heat shock proteins and proteasomal degradation in normal and tumor cells. <i>Free Radical Biology and Medicine</i> , 2014 , 75 Suppl 1, S35	7.8	4
14	Investigation of 3D-Printed Polycaprolactone-/Polyvinylpyrrolidone-Based Constructs. <i>Cartilage</i> , 2020 , 1947603519897302	3	4
13	Design and fabrication of electrospun polycaprolactone/chitosan scaffolds for ligament regeneration. <i>European Polymer Journal</i> , 2021 , 148, 110357	5.2	4
12	Intraluminal fluid infusion in a rat jejunum ischemia/reperfusion model is associated with improved tissue perfusion and less mucosal damage. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2020 , 73, 590-597	1.7	3
11	miRNA-mediated Drug Repurposing Unveiled Potential Candidate Drugs for Prolactinoma Treatment. <i>Neuroendocrinology</i> , 2021 ,	5.6	3
10	The Repertoire of Glycan Alterations and Glycoproteins in Human Cancers. <i>OMICS A Journal of Integrative Biology</i> , 2021 , 25, 139-168	3.8	2
9	Molecular function of tocopherols in age related diseases. <i>Current Pharmaceutical Design</i> , 2014 , 20, 3030-3035	3.5	1
8	Proteasome Inhibitors in Cancer Therapy and their Relation to Redox Regulation. <i>Current Pharmaceutical Design</i> , 2018 , 24, 5252-5267	3.3	1
7	Interactome analysis of Bag-1 isoforms reveals novel interaction partners in endoplasmic reticulum-associated degradation. <i>PLoS ONE</i> , 2021 , 16, e0256640	3.7	1
6	Driving Precision Oncology to Clinical Practice: The Road Ahead from Biomarker Validation to Clinical Decision Systems.. <i>OMICS A Journal of Integrative Biology</i> , 2022 ,	3.8	1
5	Effect of electric stimulus on human adipose-derived mesenchymal stem cells cultured in 3D-printed scaffolds. <i>Polymers for Advanced Technologies</i> , 2021 , 32, 1114-1125	3.2	0
4	Hydrogen Peroxide and Quercetin Induced Changes on Cell Viability, Apoptosis and Oxidative Stress in HepG2 Cells. <i>Current Nutraceuticals</i> , 2021 , 2, 47-55	0.7	0
3	Proteasomal Inhibition with Bortezomib Causes Selective Autophagy Upregulation and Perinuclear Clustering of Mitochondria in Human Neuronal Cells. <i>Proceedings (mdpi)</i> , 2018 , 2, 1583	0.3	
2	Combination of First Generation Proteasome Inhibitor Bortezomib with Temozolomide and Radiotherapy in Glioblastoma 2D and 3D Cell Cultures. <i>Proceedings (mdpi)</i> , 2018 , 2, 1579	0.3	
1	Effects of Different Stress Conditions on Apoptosis, Proteasome Activity and Exosome Cell Death Pathways in Hepatocellular Carcinoma Cells. <i>Proceedings (mdpi)</i> , 2018 , 2, 1532	0.3	

