

Bensu Karahalil

List of Publications by Year in descending order

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85
papers

2,428
citations

186265

28
h-index

214800

47
g-index

90
all docs

90
docs citations

90
times ranked

2776
citing authors

#	ARTICLE	IF	CITATIONS
1	Mitochondrial and nuclear DNA-repair capacity of various brain regions in mouse is altered in an age-dependent manner. <i>Neurobiology of Aging</i> , 2006, 27, 1129-1136.	3.1	168
2	Overview of Systems Biology and Omics Technologies. <i>Current Medicinal Chemistry</i> , 2016, 23, 4221-4230.	2.4	113
3	Mitochondrial and nuclear DNA base excision repair are affected differently by caloric restriction. <i>FASEB Journal</i> , 2004, 18, 595-597.	0.5	109
4	Substrate specificity of the Ogg1 protein of <i>Saccharomyces cerevisiae</i> : excision of guanine lesions produced in DNA by ionizing radiation- or hydrogen peroxide/metal ion-generated free radicals. <i>Nucleic Acids Research</i> , 1998, 26, 1228-1233.	14.5	107
5	Urinary cyclophosphamide excretion and micronuclei frequencies in peripheral lymphocytes and in exfoliated buccal epithelial cells of nurses handling antineoplastics. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999, 439, 97-104.	1.7	106
6	Impact of DNA polymorphisms in key DNA base excision repair proteins on cancer risk. <i>Human and Experimental Toxicology</i> , 2012, 31, 981-1005.	2.2	106
7	Base excision repair capacity in mitochondria and nuclei: tissue-specific variations. <i>FASEB Journal</i> , 2002, 16, 1895-1902.	0.5	105
8	Oxidative DNA base damage and antioxidant enzyme levels in childhood acute lymphoblastic leukemia. <i>FEBS Letters</i> , 1997, 416, 286-290.	2.8	97
9	Excision of Products of Oxidative DNA Base Damage by Human NTH1 Protein. <i>Biochemistry</i> , 1999, 38, 243-246.	2.5	97
10	The micronucleus assay in exfoliated buccal cells: application to occupational exposure to polycyclic aromatic hydrocarbons. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1999, 442, 29-35.	1.7	76
11	Chromosomal damage in peripheral blood lymphocytes of traffic policemen and taxi drivers exposed to urban air pollution. <i>Chemosphere</i> , 2002, 47, 57-64.	8.2	72
12	Compromised Incision of Oxidized Pyrimidines in Liver Mitochondria of Mice Deficient in NTH1 and OGG1 Glycosylases. <i>Journal of Biological Chemistry</i> , 2003, 278, 33701-33707.	3.4	63
13	Assessment of genotoxic damage in nurses occupationally exposed to antineoplastics by the analysis of chromosomal aberrations. <i>Human and Experimental Toxicology</i> , 2002, 21, 129-135.	2.2	60
14	Cytogenetic biomonitoring of workers exposed to bitumen fumes. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1998, 419, 123-130.	1.7	52
15	Mammalian 8-Oxoguanine DNA Glycosylase 1 Incises 8-Oxoadenine Opposite Cytosine in Nuclei and Mitochondria, while a Different Glycosylase Incises 8-Oxoadenine Opposite Guanine in Nuclei. <i>Journal of Biological Chemistry</i> , 2003, 278, 19541-19548.	3.4	50
16	Oxidative Stress, <i>Helicobacter pylori</i> , and OGG1 Ser326Cys, XPC Lys939Gln, and XPD Lys751Gln Polymorphisms in a Turkish Population with Colorectal Carcinoma. <i>Genetic Testing and Molecular Biomarkers</i> , 2010, 14, 559-564.	0.7	47
17	The role of GSTM1, GSTT1, GSTP1, and OGG1 polymorphisms in type 2 diabetes mellitus risk: A case-control study in a Turkish population. <i>Gene</i> , 2012, 505, 121-127.	2.2	47
18	Substrate Specificity of <i>Schizosaccharomyces pombe</i> Nth Protein for Products of Oxidative DNA Damage. <i>Biochemistry</i> , 1998, 37, 590-595.	2.5	46

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19	<i>Helicobacter pylori</i> and serum kynurenine-tryptophan ratio in patients with colorectal cancer. <i>World Journal of Gastroenterology</i> , 2015, 21, 3636.	3.3	45
20	Biological monitoring of young workers exposed to polycyclic aromatic hydrocarbons in engine repair workshops. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1998, 412, 261-269.	1.7	40
21	Does cigarette smoking really have detrimental effects on outcomes of IVF?. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2014, 174, 106-110.	1.1	37
22	DNA repair enzyme polymorphisms and oxidative stress in a Turkish population with gastric carcinoma. <i>Molecular Biology Reports</i> , 2011, 38, 5379-5386.	2.3	35
23	DNA repair gene polymorphisms and bladder cancer susceptibility in a Turkish population. <i>Anticancer Research</i> , 2006, 26, 4955-8.	1.1	35
24	The Association of OGG1 Ser326Cys Polymorphism and Urinary 8-OHdG Levels With Lung Cancer Susceptibility: A Hospital-Based Case-Control Study in Turkey. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2008, 59, 241-250.	0.7	34
25	An overview of microtubule targeting agents for cancer therapy. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2019, 70, 160-172.	0.7	32
26	Diazepam and propofol used as anesthetics during open-heart surgery do not cause chromosomal aberrations in peripheral blood lymphocytes. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2005, 581, 181-186.	1.7	31
27	Association Between XRCC1 ARG399GLN and P53 ARG72PRO Polymorphisms and the Risk of Gastric and Colorectal Cancer in Turkish Population. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2011, 62, 207-214.	0.7	31
28	Hepatotoxicity associated with statins. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2017, 68, 254-260.	0.7	31
29	The role of the ADRA2A C1291G genetic polymorphism in response to dexmedetomidine on patients undergoing coronary artery surgery. <i>Molecular Biology Reports</i> , 2011, 38, 3383-3389.	2.3	29
30	Association between ABCB1 gene polymorphisms and fentanyl's adverse effects in Turkish patients undergoing spinal anesthesia. <i>Gene</i> , 2012, 493, 273-277.	2.2	29
31	Assessment of DNA damage in women using oral contraceptives. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 521, 113-119.	1.7	27
32	The effect of anxiety and depression scores of couples who underwent assisted reproductive techniques on the pregnancy outcomes. <i>African Health Sciences</i> , 2016, 16, 441.	0.7	27
33	Examination of urinary mercury levels in dentists in Turkey. <i>Human and Experimental Toxicology</i> , 2005, 24, 383-388.	2.2	26
34	Chromosomal aberrations under basal conditions and after treatment with X-ray in human lymphocytes as related to the GSTM1 genotype. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2002, 515, 135-140.	1.7	23
35	Evaluation of genotoxic potential of styrene in furniture workers using unsaturated polyester resins. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 1997, 392, 261-268.	1.7	22
36	Effects of the anti-malarial compound cryptolepine and its analogues in human lymphocytes and sperm in the Comet assay. <i>Toxicology Letters</i> , 2011, 207, 322-325.	0.8	20

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37	The impact of detoxifying and repair gene polymorphisms on oxidative stress in ischemic stroke. <i>Neurological Sciences</i> , 2016, 37, 955-961.	1.9	20
38	The impact of OGG1, MTH1 and MnSOD gene polymorphisms on 8-hydroxy-2â€²-deoxyguanosine and cellular superoxide dismutase activity in myocardial ischemiaâ€œreperfusion. <i>Molecular Biology Reports</i> , 2011, 38, 2427-2435.	2.3	17
39	The effect of smoking on sister chromatid exchange rate of newborn infants born to smoking mothers. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1995, 341, 249-253.	1.2	16
40	hOGG1 SER326CYS genetic polymorphism in a Turkish population. <i>Archives of Toxicology</i> , 2005, 79, 377-380.	4.2	16
41	Oxidative and Antioxidative Effects of Desflurane and Sevoflurane on Rat Tissue in Vivo. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2011, 62, 113-119.	0.7	16
42	Assessment of Individual Susceptibility to Baseline DNA and Cytogenetic Damage in a Healthy Turkish Population: Evaluation with Lifestyle Factors. <i>Genetic Testing and Molecular Biomarkers</i> , 2012, 16, 1157-1164.	0.7	16
43	XRCC1 Arg399Gln Genetic Polymorphism in a Turkish Population. <i>International Journal of Toxicology</i> , 2006, 25, 419-422.	1.2	14
44	Dental lead levels in children from two different urban and suburban areas of Turkey. <i>International Journal of Hygiene and Environmental Health</i> , 2007, 210, 107-112.	4.3	14
45	The impact of detoxifying and repair gene polymorphisms and the levels of serum ROS in the susceptibility to multiple sclerosis. <i>Clinical Neurology and Neurosurgery</i> , 2015, 139, 288-294.	1.4	14
46	New therapy strategies in the management of breast cancer. <i>Drug Discovery Today</i> , 2022, 27, 1755-1762.	6.4	14
47	The effect of sevoflurane and desflurane on markers of oxidative status in erythrocyte. <i>Toxicology and Industrial Health</i> , 2011, 27, 181-186.	1.4	13
48	Associations between GSTM1 and OGG1 Ser326Cys polymorphisms and smoking on chromosomal damage and birth growth in mothers. <i>Molecular Biology Reports</i> , 2011, 38, 2911-2918.	2.3	13
49	Genotoxicity of Anesthetics Evaluated <i>In Vivo</i> (Animals). <i>BioMed Research International</i> , 2015, 1-8.	1.9	13
50	Micronucleus assay assessment of possible genotoxic effects in patients treated with titanium alloy endosseous implants or miniplates. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2014, 760, 70-72.	1.7	11
51	The association of IL-18 gene promoter polymorphisms and the levels of serum IL-18 on the risk of multiple sclerosis. <i>Clinical Neurology and Neurosurgery</i> , 2016, 146, 96-101.	1.4	11
52	ADRA2A polymorphism and smoking in a Turkish population. <i>Toxicology and Industrial Health</i> , 2008, 24, 171-176.	1.4	10
53	Association between GSTP1 gene polymorphism and serum $\hat{\pm}$ -GST concentrations undergoing sevoflurane anaesthesia. <i>European Journal of Anaesthesiology</i> , 2008, 25, 193-199.	1.7	10
54	Base excision repair activities differ in human lung cancer cells and corresponding normal controls. <i>Anticancer Research</i> , 2010, 30, 4963-71.	1.1	10

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55	Clinical pharmacist assessment of drug-related problems among intensive care unit patients in a Turkish university hospital. <i>BMC Health Services Research</i> , 2022, 22, 79.	2.2	10
56	Evaluation of parental knowledge, attitudes and practices regarding antibiotic use in acute upper respiratory tract infections in children under 18 years of age: a cross-sectional study in Turkey. <i>BMC Pediatrics</i> , 2021, 21, 554.	1.7	10
57	Evaluation of DNA damage after tourniquet-induced ischaemia/reperfusion injury during lower extremity surgery. <i>Injury</i> , 2010, 41, 758-762.	1.7	9
58	Oxidative stress gene polymorphisms may have an impact in the development of ischemic stroke. <i>Journal of Gene Medicine</i> , 2017, 19, e2947.	2.8	9
59	Role of gene polymorphisms in vitamin D metabolism and in multiple sclerosis. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2018, 69, 25-31.	0.7	8
60	Individual susceptibility has major impact on strong association between oxidative stress, defence systems and Parkinson's disease. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2021, , .	2.5	7
61	The association between the <i>OPRM1</i> A118G polymorphism and addiction in a Turkish population. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2019, 70, 97-103.	0.7	7
62	Mutagenic risk in psoriatic patients before and after 8-methoxypsoralen and long-wave ultraviolet radiation. <i>Mutation Research - Environmental Mutagenesis and Related Subjects Including Methodology</i> , 1994, 312, 79-83.	0.4	6
63	Influence of <i>GSTM1</i> genotype on comet assay and chromosome aberrations after induction by bleomycin in cultured human lymphocytes. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2000, 469, 199-205.	1.7	6
64	Can Sevoflurane Induce Micronuclei Formation in Nasal Epithelial Cells of Adult Patients?. <i>Turkish Journal of Anaesthesiology and Reanimation</i> , 2017, 45, 264-269.	0.8	6
65	Release of γ -Glutathione <i>s</i> -Transferase (γ -GST) and Hepatocellular Damage Induced by <i>Helicobacter pylori</i> and Eradication Treatment. <i>Current Drug Safety</i> , 2007, 2, 43-46.	0.6	5
66	Exposure to <i>Helicobacter pylori</i> and Serum Kynurenine to Tryptophan Ratio in Patients with Gastric Cancer. <i>Pteridines</i> , 2010, 21, 110-120.	0.5	5
67	Pilot Study of Environmental Monitoring of Konya Region near Abandoned Mercury Mine in Turkey. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2012, 88, 150-153.	2.7	4
68	Could 8-oxoguanine DNA glycosylase 1 Ser326Cys polymorphism be a biomarker of susceptibility in cancer?. <i>Toxicology and Industrial Health</i> , 2014, 30, 814-825.	1.4	4
69	The impacts of prominent gene polymorphisms in DNA repair enzymes on Parkinson's disease. <i>Neuroscience Letters</i> , 2020, 735, 135203.	2.1	3
70	Effect of N-acetyl cysteine, Neopterin and Dexamethasone on the Viability of Titanium dioxide Nanoparticles Exposed Cell Lines. <i>Pteridines</i> , 2012, 23, 111-122.	0.5	2
71	Comet Assay in Evaluating DNA Damage Associated With Ischaemia-Reperfusion Injury in Patients Undergoing Coronary Surgery. <i>Arhiv Za Higijenu Rada I Toksikologiju</i> , 2009, 60, 307-315.	0.7	1
72	The effect of cotinine concentrations in seminal plasma and follicular fluid on the pregnancy outcomes of couples undergoing assisted reproductive techniques. <i>Turkish Journal of Medical Sciences</i> , 2016, 46, 1495-1501.	0.9	1

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73	COVID-19: Are Experimental Drugs Cure or Ill?. <i>Current Drug Safety</i> , 2021, 16, .	0.6	1
74	The impact of antimicrobial use on potential major drug-drug interactions in the pediatric intensive care unit patients at University Hospital, Turkey. <i>Minerva Pediatrics</i> , 2021, , .	0.4	1
75	hOGG1 Ser326Cys polymorphism and lung cancer susceptibility in the Turkish population. <i>Toxicology Letters</i> , 2007, 172, S174.	0.8	0
76	Baseline cytogenetic profiles of a healthy Turkish population by three test systems: Comparison between assays. <i>Toxicology Letters</i> , 2008, 180, S80.	0.8	0
77	Alpha-2A adrenergic receptor gene (ADRA2A) polymorphism in a Turkish population. <i>Toxicology Letters</i> , 2008, 180, S81.	0.8	0
78	XPC Lys939Gln and XPD Lys751Gln polymorphisms, oxidative stress and Helicobacter pylori IgG seropositivity in colorectal carcinoma. <i>Toxicology Letters</i> , 2008, 180, S81-S82.	0.8	0
79	Vth International Conference on Environmental Mutagens in Human Populations: Introduction. <i>Mutation Research - Reviews in Mutation Research</i> , 2008, 659, 2-3.	5.5	0
80	NanoLINEN: Nanotoxicology Link Between India and European Nations. <i>Journal of Biomedical Nanotechnology</i> , 2011, 7, 203-204.	1.1	0
81	The impact of DNA repair gene polymorphism on Parkinson disease. <i>Toxicology Letters</i> , 2016, 258, S204.	0.8	0
82	Serum alpha-GST activity as an alternative biomarker in olanzapine induced hepatotoxicity under the impact of genetic polymorphism of GSTs. <i>Toxicology Letters</i> , 2017, 280, S136.	0.8	0
83	Pharmacogenomics and Toxicogenomics in Food Chemicals. , 2009, , 477-496.		0
84	Metabolomics mapping changed after olanzapine therapy in drug-naive schizophrenia patientsâ€™the significant impact of gene polymorphisms. <i>Toxicology Research</i> , 0, , .	2.1	0
85	Association of vitamin D receptor polymorphisms with vitamin D and calcium levels in Turkish multiple sclerosis patients. <i>Neurodegenerative Disease Management</i> , 0, , .	2.2	0