

# Mustafa GÃ¼l

## List of Publications by Year in descending order

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68  
papers

2,084  
citations

236925

25  
h-index

254184

43  
g-index

76  
all docs

76  
docs citations

76  
times ranked

2396  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Lipid peroxidation, some extracellular antioxidants, and antioxidant enzymes in serum of patients with rheumatoid arthritis. <i>Rheumatology International</i> , 2002, 21, 200-204.   | 3.0 | 198       |
| 2  | Reactive Oxygen Species: the Dual Role in Physiological and Pathological Conditions of the Human Body. <i>Eurasian Journal of Medicine</i> , 2018, 50, 193-201.   | 0.6 | 151       |
| 3  | Oxidant/antioxidant status in blood of patients with malignant breast tumour and benign breast disease. <i>Cell Biochemistry and Function</i> , 2002, 20, 327-331.  | 2.9 | 86        |
| 4  | Serum Oxidant/Antioxidant Status in Patients with Systemic Lupus Erythematosus. <i>Clinical Chemistry and Laboratory Medicine</i> , 2002, 40, 684-8.  | 2.3 | 84        |
| 5  | Beneficial Effects of <i>Hippophae rhamnoides</i> L. on Nicotine Induced Oxidative Stress in Rat Blood Compared with Vitamin E. <i>Biological and Pharmaceutical Bulletin</i> , 2002, 25, 1133-1136.  | 1.4 | 81        |
| 6  | Endurance training attenuates exercise-induced oxidative stress in erythrocytes in rat. <i>European Journal of Applied Physiology</i> , 2004, 91, 622-627.  | 2.5 | 80        |
| 7  | <i>Hippophae rhamnoides</i> L.: chromatographic methods to determine chemical composition, use in traditional medicine and pharmacological effects. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 812, 291-307. | 2.3 | 77        |
| 8  | ±-Lipoic acid supplementation: tissue glutathione homeostasis at rest and after exercise. <i>Journal of Applied Physiology</i> , 1999, 86, 1191-1196.   | 2.5 | 76        |
| 9  | Effects of endurance training on tissue glutathione homeostasis and lipid peroxidation in streptozotocin-induced diabetic rats. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2002, 12, 163-170.  | 2.9 | 61        |
| 10 | Effects of endurance training and acute exhaustive exercise on antioxidant defense mechanisms in rat heart. <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2006, 143, 239-245.   | 1.8 | 55        |
| 11 | New phenolic Mannich bases with piperazines and their bioactivities. <i>Bioorganic Chemistry</i> , 2019, 90, 103057.  | 4.1 | 45        |
| 12 | Cytotoxic activities of mono and bis Mannich bases derived from acetophenone against Renca and Jurkat cells. <i>Pharmaceutica Acta Helvetiae</i> , 2000, 74, 393-398.   | 1.2 | 44        |
| 13 | Microwave-assisted synthesis and bioevaluation of new sulfonamides. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 369-374.  | 5.2 | 44        |
| 14 | Anticancer effects of new dibenzenesulfonamides by inducing apoptosis and autophagy pathways and their carbonic anhydrase inhibitory effects on hCA I, hCA II, hCA IX, hCA XII isoenzymes. <i>Bioorganic Chemistry</i> , 2018, 78, 290-297.                               | 4.1 | 44        |
| 15 | Effects of nicotine and vitamin E on glutathione reductase activity in some rat tissues in vivo and in vitro. <i>European Journal of Pharmacology</i> , 2007, 554, 92-97.   | 3.5 | 42        |
| 16 | Synthesis of 4-Hydroxy-3-piperidinomethylchalcone Derivatives and Their Cytotoxicity Against PC-3 Cell Lines. <i>Archiv Der Pharmazie</i> , 2007, 340, 195-201.   | 4.1 | 40        |
| 17 | Evaluation of Antimicrobial Activities of Several Mannich Bases and Their Derivatives. <i>Archiv Der Pharmazie</i> , 2005, 338, 335-338.  | 4.1 | 36        |
| 18 | Comamonas testosteroni bacteremia in a patient with perforated acute appendicitis. <i>Acta Microbiologica Et Immunologica Hungarica</i> , 2007, 54, 317-321.  | 0.8 | 34        |

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|----|---|-----|-----------|
| 19 | Vitamin E and <i>Hippophae rhamnoides</i> L. extract reduce nicotine-induced oxidative stress in rat heart. <i>Cell Biochemistry and Function</i> , 2010, 28, 329-333.  | 2.9 | 34        |
| 20 | The comparison of tonsillar surface and core cultures in recurrent tonsillitis. <i>American Journal of Otolaryngology - Head and Neck Medicine and Surgery</i> , 2007, 28, 173-176.   | 1.3 | 33        |
| 21 | Curcumin analogue 1,5-bis(4-hydroxy-3-((4-methylpiperazin-1-yl)methyl)phenyl)penta-1,4-dien-3-one mediates growth arrest and apoptosis by targeting the PI3K/AKT/mTOR and PKC-theta signaling pathways in human breast carcinoma cells. <i>Bioorganic Chemistry</i> , 2018, 78, 46-57.  | 4.1 | 30        |
| 22 | Effects of Mannich bases on cellular glutathione and related enzymes of Jurkat cells in culture conditions. <i>Toxicology in Vitro</i> , 2002, 16, 107-112.   | 2.4 | 28        |
| 23 | The effects of some Mannich bases on heat shock proteins HSC70 and GRP75, and thioredoxin and glutaredoxin levels in Jurkat cells. <i>Toxicology in Vitro</i> , 2005, 19, 573-580.  | 2.4 | 27        |
| 24 | Antifungal Activity of Some Mono, Bis and Quaternary Mannich Bases Derived from Acetophenone. <i>Arzneimittelforschung</i> , 2001, 51, 72-75.   | 0.4 | 26        |
| 25 | Synthesis and Cytotoxicity of Novel 3-Aryl-1-(3-dibenzylaminomethyl-4-hydroxyphenyl)-propenones and Related Compounds. <i>Chemical and Pharmaceutical Bulletin</i> , 2008, 56, 1675-1681.   | 1.3 | 26        |
| 26 | Evaluation of the anti-inflammatory activity of $\epsilon^2$ -bis(3-dimethylamino-1-phenyl-propylidene)hydrazine dihydrochloride. <i>Pharmaceutical Biology</i> , 2009, 47, 968-972.  | 2.9 | 26        |
| 27 | Cytotoxicity of Some Azines of Acetophenone Derived Mono-Mannich Bases against Jurkat Cells. <i>Biological and Pharmaceutical Bulletin</i> , 2003, 26, 631-637.   | 1.4 | 25        |
| 28 | Anti-inflammatory Activity of Bis(3-aryl-3-oxo-propyl)methylamine Hydrochloride in Rat. <i>Biological and Pharmaceutical Bulletin</i> , 2007, 30, 63-67.  | 1.4 | 25        |
| 29 | Endurance training attenuates the oxidative stress due to acute exhaustive exercise in rat liver. <i>Acta Physiologica Hungarica</i> , 2008, 95, 337-347.   | 0.9 | 25        |
| 30 | Synthesis and Cytotoxic Activities of Difluoro-Dimethoxy Chalcones. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2017, 17, 1426-1433.   | 1.7 | 24        |
| 31 | Biological Evaluation and Structure-Activity Relationships of Bis-(3-aryl-3-oxo-propyl)-methylamine Hydrochlorides and 4-Aryl-3-arylcarbonyl-1-methyl-4-piperidinol Hydrochlorides as Potential Cytotoxic Agents and their Alkylating Ability towards Cellular Glutathione in Human Leukemic T Cells. <i>Arzneimittelforschung</i> , 2005, 55, 332-337. | 0.4 | 23        |
| 32 | Iodine and Magnesium Levels in Maternal and Umbilical Cord Blood of Preeclamptic and Normal Pregnant Women. <i>Biological Trace Element Research</i> , 2009, 129, 1-8.  | 3.5 | 22        |
| 33 | <i>Hippophae rhamnoides</i> attenuates nicotine-induced oxidative stress in rat liver. <i>Pharmaceutical Biology</i> , 2010, 48, 488-493.   | 2.9 | 22        |
| 34 | Bacteremia during Open Septorhinoplasty. <i>American Journal of Rhinology &amp; Allergy</i> , 2006, 20, 36-39.  | 2.2 | 21        |
| 35 | Toxicity of some bis mannich bases and corresponding piperidinols in the brine shrimp ( <i>Artemia salina</i> ) Bioassay. <i>Journal of Applied Toxicology</i> , 2003, 23, 53-57.   | 2.8 | 20        |
| 36 | Cytotoxic activity of $\epsilon^2$ -hydroxychalcone derivatives against Jurkat cells and their effects on mammalian DNA topoisomerase I. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009, 24, 804-807.   | 5.2 | 20        |

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|----|---|-----|-----------|
| 37 | Protective effect of Naringin on experimental hindlimb ischemia/reperfusion injury in rats. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2016, 31, 56-61.  | 5.2 | 20        |
| 38 | Monoamine Oxidase (MAO) as a Potential Target for Anticancer Drug Design and Development. <i>Molecules</i> , 2021, 26, 6019.  | 3.8 | 20        |
| 39 | Synthesis of some Mannich bases with dimethylamine and their hydrazones and evaluation of their cytotoxicity against Jurkat cells. <i>Arzneimittelforschung</i> , 2011, 61, 366-371.  | 0.4 | 19        |
| 40 | Effect of Acetophenone Derived Mannich Bases on Cellular Glutathione Level in Jurkat Cells. <i>Arzneimittelforschung</i> , 2001, 51, 679-682.   | 0.4 | 18        |
| 41 | Syntheses and Stability Studies of Some Mannich Bases of Acetophenones and Evaluation of their Cytotoxicity against Jurkat Cells. <i>Arzneimittelforschung</i> , 2002, 52, 628-635.   | 0.4 | 18        |
| 42 | Increased Susceptibility to Apoptosis and Growth Arrest of Human Breast Cancer Cells Treated by a Snake Venom-Loaded Silica Nanoparticles. <i>Cellular Physiology and Biochemistry</i> , 2014, 34, 1640-1651.   | 1.6 | 18        |
| 43 | Vitamin E but not Hippophae rhamnoides L. prevented nicotine-induced oxidative stress in rat brain. <i>Human and Experimental Toxicology</i> , 2003, 22, 425-31.  | 2.2 | 18        |
| 44 | Effects of nicotine and vitamin E on glucose 6-phosphate dehydrogenase activity in some rat tissues in vivo and in vitro. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2005, 20, 497-502.  | 5.2 | 17        |
| 45 | Biological Activity of 1-Aryl-3-phenethylamino-1-propanone Hydrochlorides and 3-Aroyl-4-aryl-1-phenethyl-4-piperidinols on PC-3 Cells and DNA Topoisomerase I Enzyme. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2010, 65, 647-652. | 1.4 | 16        |
| 46 | Urinary Tract Infection Aggravates Oxidative Stress in Diabetic Patients. <i>Tohoku Journal of Experimental Medicine</i> , 2005, 206, 1-6.  | 1.2 | 15        |
| 47 | Effects of nicotine and Vitamin E on Carbonic anhydrase activity in some rat tissues In Vivo and In Vitro. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2005, 20, 103-109.   | 5.2 | 15        |
| 48 | Comparison of iodine contents in gastric cancer and surrounding normal tissues. <i>Clinical Chemistry and Laboratory Medicine</i> , 2005, 43, 581-4.  | 2.3 | 15        |
| 49 | Endurance training and glutathione-dependent antioxidant defense mechanism in heart of the diabetic rats. <i>Journal of Sports Science and Medicine</i> , 2003, 2, 52-61.   | 1.6 | 14        |
| 50 | Cytotoxic Activities of Some Mono and Bis Mannich Bases Derived from Acetophenone in Brine Shrimp Bioassay. <i>Arzneimittelforschung</i> , 2002, 52, 840-843.   | 0.4 | 12        |
| 51 | The Design and Cytotoxic Evaluation of Some 1-Aryl-3-isopropylamino-1-propanone Hydrochlorides towards Human Huh-7 Hepatoma Cells. <i>Archiv Der Pharmazie</i> , 2011, 344, 333-339.  | 4.1 | 12        |
| 52 | Estrogen supplementation failed to attenuate biochemical indices of neutrophil infiltration or damage in rat skeletal muscles following ischemia. <i>Biological Research</i> , 2005, 38, 213-23.  | 3.4 | 11        |
| 53 | Synthesis of new N,N'-bis[1-aryl-3-(piperidine-1-yl)propylidene]hydrazine dihydrochlorides and evaluation of their cytotoxicity against human hepatoma and breast cancer cells. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2014, 29, 420-426.    | 5.2 | 11        |
| 54 | Synthesis and Cytotoxicities of New Azafluorenones with Apoptotic Mechanism of Action and Cell Cycle Analysis. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2019, 18, 1770-1778.  | 1.7 | 11        |

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|----|---|-----|-----------|
| 55 | Cytotoxicity of 1-Aryl-3-buthylamino-1-propanone Hydrochlorides against Jurkat and L6 Cells. <i>Arzneimittelforschung</i> , 2009, 59, 364-369.  | 0.4 | 10        |
| 56 | Effects of Some Antibiotics on Activity of Glucose-6-Phosphate Dehydrogenase from Human Erythrocytes In Vitro and Effect of Isepamicin Sulfate on Activities of Antioxidant Enzymes in Rat Erythrocytes. <i>Drug and Chemical Toxicology</i> , 2005, 28, 433-445. | 2.3 | 7         |
| 57 | Blood and Urine Iodine Levels in Patients with Gastric Cancer. <i>Biological Trace Element Research</i> , 2006, 113, 261-272.   | 3.5 | 6         |
| 58 | The Benefits of Regular Physical Activity on Hearing in Visually Impaired Adolescents. <i>European Journal of Basic Medical Sciences</i> , 2013, 3, 17-21.  | 0.3 | 6         |
| 59 | Cytotoxicities of novel hydrazone compounds with pyrrolidine moiety: inhibition of mitochondrial respiration may be a possible mechanism of action for the cytotoxicity of new hydrazones. <i>Medicinal Chemistry Research</i> , 2018, 27, 2116-2124.             | 2.4 | 5         |
| 60 | Cytotoxicity of Hydrazones of Morpholine Bearing Mannich Bases Towards Huh7 and T47D Cell Lines and Their Effects on Mitochondrial Respiration. <i>Letters in Drug Design and Discovery</i> , 2016, 13, 734-741.  | 0.7 | 5         |
| 61 | Hepatoprotective Effect of 17 $\beta$ -Estradiol as Antioxidant Modulators Against Stress Damage. <i>Hepatitis Monthly</i> , 2015, 15, e22633.  | 0.2 | 5         |
| 62 | Negative Pressure Wound Therapy and Skin Graft in Madura Foot Treatment. <i>Balkan Medical Journal</i> , 2012, 29, 214-217.   | 0.8 | 4         |
| 63 | Oxidative stress before and after surgery in benign prostatic hyperplasia patients. <i>Andrologia</i> , 2019, 51, e13326.   | 2.1 | 4         |
| 64 | Efficacy of Linezolid, Teicoplanin, and Vancomycin in Prevention of an Experimental Polytetrafluoroethylene Graft Infection Model caused by Methicillin-resistant <i>Staphylococcus aureus</i> . <i>Medical Science Monitor</i> , 2015, 21, 909-914.              | 1.1 | 4         |
| 65 | Melatonin and Hyperthyroidism. <i>Archives of Basic and Clinical Research</i> , 2020, 2, 59-64.   | 0.0 | 4         |
| 66 | Effects of nicotine and vitamin E on 6-phosphogluconate dehydrogenase activity in some rat tissues in vivo and in vitro. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2008, 23, 261-265.   | 5.2 | 2         |
| 67 | P.1.c.043 The effects of risperidone, olanzapine and haloperidol on enzyme activities in kidney tissue of rats. <i>European Neuropsychopharmacology</i> , 2006, 16, S246-S247.  | 0.7 | 1         |
| 68 | The Codes of Publication Policy of the Eurasian Journal of Medicine: Parameters for a Stable and Sustainable Journal. <i>Eurasian Journal of Medicine</i> , 2016, 48, 75-75.  | 0.6 | 0         |