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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Dietary zinc status is associated with ZnT3 (SLC30A3), IL-6 gene expressions and spinal cord tissue damage in spinal cord tissue in a cuprizone-induced rat Multiple Sclerosis model**
Bayiroglu A. F., Acar G., Gulbahce-Mutlu E., BALTACI S. B., Mogulkoc R., Baltaci A. K.
Journal of Trace Elements in Medicine and Biology, vol.86, 2024 (SCI-Expanded)
- II. **The Effect of Chronic Swimming Exercise and Vitamin E Supplementation on Bone Element Metabolism in Epileptic Rats Epileptik sıçanlarda kronik yüzme egzersizi ve E vitamini desteğinin kemik element metabolizması üzerine etkisi**
BALTACI S. B., TUTKUN E., Ayyıldız M., Ağar E., Arslan G., Moğulkoç R., Baltaci A. K.
Noropsikiyatri Arsivi, vol.61, no.2, pp.113-118, 2024 (SCI-Expanded)
- III. **Marginal Maternal Zinc Deficiency Produces Liver Damage and Altered Zinc Transporter Expression in Offspring Male Rats**
Gumus M., Gulbahce-Mutlu E., Unal O., Baltaci S. B., Unlukal N., Mogulkoc R., Baltaci A. K.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.202, no.5, pp.2133-2142, 2024 (SCI-Expanded)
- IV. **Vinpocetine Ameliorates Neuronal Injury After Cold-Induced Traumatic Brain Injury in Mice**
Yelkenci H. E., Degirmenci Z., Koc H. I., Bayirli S., BALTACI S. B., ALTUNAY S., Öztekin N., KOÇAK M., Kilic E., BEKER M. Ç.
Molecular Neurobiology, 2024 (SCI-Expanded)
- V. **The impact of flavonoids and BDNF on neurogenic process in various physiological/pathological conditions including ischemic insults: a narrative review**
Yılmaz E., Baltacı S. B., Mogulkoc R., Baltaci A. K.
Nutritional Neuroscience, vol.27, no.9, pp.1025-1041, 2024 (SCI-Expanded)
- VI. **Zinc Supplementation Improves ZIP14 (SLC39A14) Levels in Cerebral Cortex Suppressed by icv-STZ Injection**
BALTACI S. B., Gümüş H., Ünal Ö., Acar G., Bayiroğlu A. F.
Noropsikiyatri Arsivi, vol.61, no.1, pp.11-14, 2024 (SCI-Expanded)
- VII. **Melatonin protects retinal tissue damage in streptozotocin-induced aged rats**
Atacak A., Baltaci S. B., Akgun-Unal N., Mogulkoc R., Baltaci A. K.
Archives of Gerontology and Geriatrics, vol.112, 2023 (SCI-Expanded)
- VIII. **The relationship between beta cell activation and SLC30A8/ZnT8 levels of the endocrine pancreas and maternal zinc deficiency in rats**
Goktepe E., Baltaci S. B., Unal O., Unlukal N., Mogulkoc R., Baltaci A. K.
Journal of Trace Elements in Medicine and Biology, vol.79, 2023 (SCI-Expanded)
- IX. **Zinc Ameliorates Nogo-A Receptor and Osteocalcin Gene Expression in Memory-Sensitive Rat Hippocampus Impaired by Intracerebroventricular Injection of Streptozotocin**
Gumus H., Baltaci S. B., Unal O., Gulbahce-Mutlu E., Mogulkoc R., Baltaci A. K.

Biological Trace Element Research, vol.201, no.7, pp.3381-3386, 2023 (SCI-Expanded)

- X. **Cardiovascular Diseases and Zinc**
ÖZYILDIRIM S., Baltacı S. B.
Biological Trace Element Research, vol.201, no.4, pp.1615-1626, 2023 (SCI-Expanded)
- XI. **Lithium promotes long-term neurological recovery after spinal cord injury in mice by enhancing neuronal survival, gray and white matter remodeling, and long-distance axonal regeneration**
Balçıkınlı Z., Culha I., Dilsiz P., Aydın M. Ş., Ates N., BEKER M. Ç., Baltacı S. B., Koc H. I., Yigitbasi A., GÜNDOĞAR M., et al.
Frontiers in Cellular Neuroscience, vol.16, 2022 (SCI-Expanded)
- XII. **The Role of Zinc Status on Spatial Memory, Hippocampal Synaptic Plasticity, and Insulin Signaling in icv-STZ-Induced Sporadic Alzheimer's-Like Disease in Rats**
Baltacı S. B., Unal O., Gulbahce-Mutlu E., Gumus H., Pehlivanoglu S., Yardimci A., Mogulkoc R., Baltacı A. K.
Biological Trace Element Research, vol.200, no.9, pp.4068-4078, 2022 (SCI-Expanded)
- XIII. **Chronic Running Exercise Regulates Cytotoxic Cell Functions and Zinc Transporter SLC39A10/ZIP10 Levels in Diabetic Rats**
Ugurlu I., Baltacı S. B., Unal O., Mogulkoc R., Ucaryilmaz H., Baltacı A. K.
Biological Trace Element Research, vol.200, no.2, pp.699-705, 2022 (SCI-Expanded)
- XIV. **The Effect of Zinc and Melatonin Administration on Lipid Peroxidation, IL-6 Levels, and Element Metabolism in DMBA-Induced Breast Cancer in Rats**
Gulbahce-Mutlu E., Baltacı S. B., Menevse E., Mogulkoc R., Baltacı A. K.
Biological Trace Element Research, vol.199, no.3, pp.1044-1051, 2021 (SCI-Expanded)
- XV. **Molecular Mechanisms of Early and Late LTP**
Baltacı S. B., Mogulkoc R., Baltacı A. K.
Neurochemical Research, vol.44, no.2, pp.281-296, 2019 (SCI-Expanded)
- XVI. **The role of zinc in the endocrine system**
Baltacı A., Mogulkoc R., Baltacı S. B.
PAKISTAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.32, no.1, pp.231-239, 2019 (SCI-Expanded)
- XVII. **The effect of zinc and melatonin supplementation on immunity parameters in breast cancer induced by DMBA in rats**
Baltacı S. B., Mogulkoc R., Baltacı A. K., Emsen A., Artac H.
Archives of Physiology and Biochemistry, vol.124, no.3, pp.247-252, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Hippocampal ZnT3 (SLC30A3) Levels Reflect Hippocampal Tissue Damage in Chronic Exercising Diabetic Rats**
Baltacı A., Yasli M., Baltacı S. B., Mogulkoc R., Menevse E., Unal O.
EUROPEAN JOURNAL OF THERAPEUTICS, vol.30, no.1, pp.21-28, 2024 (ESCI)
- II. **Effects of Pinealectomy and Melatonin Application on Serum Melatonin, Nesfatin-1 and Ghrelin Levels**
s., MENEVSE E., BALTACI S. B., ÜNAL Ö., Mogulkoc R., Baltacı A. K.
European Journal of Therapeutics, vol.29, no.3, pp.526-533, 2023 (ESCI)
- III. **Dietary Zinc Status in Offspring of Pregnant Rats Fed on a Zinc-Deficient Diet Is Associated with Serum Albumin, Ast, and Alt Levels**
Gumus M., BALTACI S. B.
European Journal of Therapeutics, vol.29, no.3, pp.552-557, 2023 (ESCI)
- IV. **Resveratrol and exercise (review)**
Baltacı S. B., Mogulkoc R., Baltacı A. K.
Biomedical Reports, vol.5, no.5, pp.525-530, 2016 (Scopus)

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