

# Mã;ria Marekovã;

## List of Publications by Year in descending order

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Version: 2024-02-01

89  
papers

1,216  
citations

430874

18  
h-index

477307

29  
g-index

93  
all docs

93  
docs citations

93  
times ranked

1263  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                                                          | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Detection and antimicrobial spectrum of a bacteriocin-like substance produced by <i>Enterococcus faecium</i> CCM4231. <i>Letters in Applied Microbiology</i> , 1993, 16, 257-260.                                                                                                                | 2.2 | 100       |
| 2  | Isolation and characterization of a new bacteriocin, termed enterocin M, produced by environmental isolate <i>Enterococcus faecium</i> AL41. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2007, 34, 533-537.                                                                    | 3.0 | 76        |
| 3  | Partial characterization of bacteriocins produced by environmental strain <i>Enterococcus faecium</i> EK13. <i>Journal of Applied Microbiology</i> , 2003, 94, 523-530.                                                                                                                          | 3.1 | 73        |
| 4  | Occurrence of bacteriocin production among environmental enterococci. <i>Letters in Applied Microbiology</i> , 1998, 27, 178-182.                                                                                                                                                                | 2.2 | 51        |
| 5  | The improvement of probiotics efficacy by synergistically acting components of natural origin: a review. <i>Biologia (Poland)</i> , 2006, 61, 729-734.                                                                                                                                           | 1.5 | 39        |
| 6  | Hepatitis B virus infection in patients with metabolic syndrome: A complicated relationship. Results of a population based study. <i>European Journal of Internal Medicine</i> , 2014, 25, 286-291.                                                                                              | 2.2 | 34        |
| 7  | Antimicrobial spectrum of bacteriocin-like substances produced by rumen staphylococci. <i>Folia Microbiologica</i> , 1993, 38, 74-76.                                                                                                                                                            | 2.3 | 32        |
| 8  | Socioeconomic Characteristics of the Population Living in Roma Settlements and Their Association with Health and Health-Related Behaviour. <i>Central European Journal of Public Health</i> , 2014, 22, S57-S64.                                                                                 | 1.1 | 32        |
| 9  | Activation of oxidative stress response by hydroxyl substituted chalcones and cyclic chalcone analogues in mitochondria. <i>FEBS Letters</i> , 2010, 584, 567-570.                                                                                                                               | 2.8 | 31        |
| 10 | Does the Population Living in Roma Settlements Differ in Physical Activity, Smoking and Alcohol Consumption from the Majority Population in Slovakia?. <i>Central European Journal of Public Health</i> , 2014, 22, S22-S27.                                                                     | 1.1 | 30        |
| 11 | Characterization of the $\alpha$ -amylase-encoding gene from <i>Thermomonospora curvata</i> . <i>Gene</i> , 1992, 112, 77-83.                                                                                                                                                                    | 2.2 | 25        |
| 12 | HepaMeta - Prevalence of Hepatitis B/C and Metabolic Syndrome in Population Living in Separated and Segregated Roma Settlements: a Methodology for a Cross-sectional Population-Based Study Using Community-Based Approach. <i>Central European Journal of Public Health</i> , 2014, 22, S6-S11. | 1.1 | 25        |
| 13 | Inhibition of <i>Salmonella enterica</i> serovar Dusseldorf by enterocin A in gnotobiotic Japanese quails. <i>Veterinari Medicina</i> , 2004, 49, 47-51.                                                                                                                                         | 0.6 | 22        |
| 14 | Naturally Occurring Substances and Their Role in Chemo-protective Effects. <i>Central European Journal of Public Health</i> , 2013, 21, 213-219.                                                                                                                                                 | 1.1 | 22        |
| 15 | Seroprevalence of human <i>Toxocara</i> infections in the Roma and non-Roma populations of Eastern Slovakia: a cross-sectional study. <i>Epidemiology and Infection</i> , 2015, 143, 2249-2258.                                                                                                  | 2.1 | 20        |
| 16 | Environmental estrogen bisphenol A and autoimmunity. <i>Lupus</i> , 2015, 24, 392-399.                                                                                                                                                                                                           | 1.6 | 20        |
| 17 | Selected In Situ Hybridization Methods: Principles and Application. <i>Molecules</i> , 2021, 26, 3874.                                                                                                                                                                                           | 3.8 | 20        |
| 18 | Novel zinc complexes of a non-steroidal anti-inflammatory drug, niflumic acid: Structural characterization, human-DNA and albumin binding properties. <i>European Journal of Medicinal Chemistry</i> , 2018, 153, 131-139.                                                                       | 5.5 | 20        |

| #  | ARTICLE                                                                                                                                                                                                                                                                                                                      | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Production of bacteriocins by different enterococcal isolates. <i>Folia Microbiologica</i> , 2001, 46, 49-52.                                                                                                                                                                                                                | 2.3 | 19        |
| 20 | Factors affecting interaction of radiocobalt with river sediments. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1989, 132, 209-223.                                                                                                                                                                             | 1.5 | 18        |
| 21 | The Roma Population Living in Segregated Settlements in Eastern Slovakia Has a Higher Prevalence of Metabolic Syndrome, Kidney Disease, Viral Hepatitis B and E, and Some Parasitic Diseases Compared to the Majority Population. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3112. | 2.6 | 18        |
| 22 | Study of DNA interactions with cyclic chalcone derivatives by spectroscopic techniques. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 81, 666-671.                                                                                                                                    | 3.9 | 17        |
| 23 | Do Eating Habits of the Population Living in Roma Settlements Differ from Those of the Majority Population in Slovakia?. <i>Central European Journal of Public Health</i> , 2014, 22, S65-S68.                                                                                                                               | 1.1 | 17        |
| 24 | Association between Metabolic Syndrome and Hepatitis B Virus Infection in the Roma Population in Eastern Slovakia: a Population-Based Study. <i>Central European Journal of Public Health</i> , 2014, 22, S37-S42.                                                                                                           | 1.1 | 17        |
| 25 | Analysis of the interaction of radionuclides with solid phase in surface waters using laboratory model experiments: Methodical problems. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1988, 125, 295-315.                                                                                                       | 1.5 | 14        |
| 26 | Comparison of effect of selected synthetic chalcone analogues on mitochondrial outer membrane determined by fluorescence spectroscopy. <i>Journal of Proteomics</i> , 2004, 61, 135-141.                                                                                                                                     | 2.4 | 14        |
| 27 | Comparison of the effects of selected chalcones, dihydrochalcones and some cyclic flavonoids on mitochondrial outer membrane determined by fluorescence spectroscopy. <i>Journal of Proteomics</i> , 2006, 69, 143-150.                                                                                                      | 2.4 | 14        |
| 28 | The crucial role of emilin 1 gene expression during progression of tumor growth. <i>Journal of Cancer Research and Clinical Oncology</i> , 2016, 142, 2397-2402.                                                                                                                                                             | 2.5 | 14        |
| 29 | Serum Uric Acid in Roma and Non-Roma – Its Correlation with Metabolic Syndrome and Other Variables. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1412.                                                                                                                               | 2.6 | 14        |
| 30 | Trends in Laboratory Diagnostic Methods in Periodontology. <i>Acta Medica (Hradec Kralove)</i> , 2016, 59, 3-9.                                                                                                                                                                                                              | 0.5 | 14        |
| 31 | Relationship Between Steroid Hormones and Metabolic Profile in Women With Polycystic Ovary Syndrome. <i>Physiological Research</i> , 2019, 68, 457-465.                                                                                                                                                                      | 0.9 | 14        |
| 32 | Prevalence and Risk Factors for Hepatitis B Virus Infection in Roma and Non-Roma People in Slovakia. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1047.                                                                                                                              | 2.6 | 13        |
| 33 | Prevalence of Cardiovascular Risk Factors in Relation to Metabolic Syndrome in the Roma Population Compared with the Non-Roma Population in the Eastern Part of Slovakia. <i>Central European Journal of Public Health</i> , 2014, 22, S69-S74.                                                                              | 1.1 | 13        |
| 34 | The effects of intradialytic resistance training on muscle strength, psychological well-being, clinical outcomes and circulatory micro-ribonucleic acid profiles in haemodialysis patients. <i>Medicine (United Tj ETQq0 0 0 igBT /Overlock 10 Tf</i>                                                                        |     |           |
| 35 | High Hepatitis B and Low Hepatitis C Prevalence in Roma Population in Eastern Slovakia. <i>Central European Journal of Public Health</i> , 2014, 22, S51-S56.                                                                                                                                                                | 1.1 | 12        |
| 36 | Toluene abuse markers in marginalized populations. <i>Interdisciplinary Toxicology</i> , 2018, 11, 22-26.                                                                                                                                                                                                                    | 1.0 | 11        |

| #  | ARTICLE                                                                                                                                                                                                                                                 | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Selected microbial consortium of raw and digested pig slurry and its susceptibility to enterocins. <i>World Journal of Microbiology and Biotechnology</i> , 2002, 18, 11-15.                                                                            | 3.6 | 9         |
| 38 | Progression of apoptic signaling from mesenteric ischemiaâ€“reperfusion injury to lungs: correlation in the level of ER chaperones expression. <i>Molecular and Cellular Biochemistry</i> , 2012, 362, 133-140.                                         | 3.1 | 9         |
| 39 | Changes in urine autofluorescence in ovarian cancer patients. <i>Neoplasma</i> , 2014, 61, 724-731.                                                                                                                                                     | 1.6 | 9         |
| 40 | Exposure to <i>Toxoplasma gondii</i> in the Roma and Non-Roma Inhabitants of Slovakia: A Cross-Sectional Seroprevalence Study. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 408.                                | 2.6 | 9         |
| 41 | Human fluorescent profile of urine as a simple tool of mining in data from autofluorescence spectroscopy. <i>Biomedical Signal Processing and Control</i> , 2020, 56, 101693.                                                                           | 5.7 | 9         |
| 42 | Higher Prevalence of Nephropathy in Young Roma Females Compared with Non-Roma Females. <i>Central European Journal of Public Health</i> , 2014, 22, S28-S31.                                                                                            | 1.1 | 9         |
| 43 | Conjugative transfer of tetracycline resistance in rumen streptococcal strains. <i>Folia Microbiologica</i> , 1994, 39, 83-86.                                                                                                                          | 2.3 | 8         |
| 44 | Impact of 2 Doses of Clorgyline on the Rat Preimplantation Embryo Development and the Monoamine Levels in Urine. <i>Reproductive Sciences</i> , 2010, 17, 734-741.                                                                                      | 2.5 | 8         |
| 45 | Gamma-Glutamyl Transpeptidase Level Associated with Metabolic Syndrome and Proinflammatory Parameters in the Young Roma Population in Eastern Slovakia: a Population-Based Study. <i>Central European Journal of Public Health</i> , 2014, 22, S43-S50. | 1.1 | 8         |
| 46 | Detection of Pathological Changes in the Aorta during Thoracic Aortic Aneurysm Progression on Molecular Level. <i>Disease Markers</i> , 2017, 2017, 1-11.                                                                                               | 1.3 | 8         |
| 47 | Seroprevalence of Hepatitis E Virus in Roma Settlements: A Comparison with the General Population in Slovakia. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 904.                                                | 2.6 | 8         |
| 48 | Effect of hypoxia factors gene silencing on ROS production and metabolic status of A375 malignant melanoma cells. <i>Scientific Reports</i> , 2021, 11, 10325.                                                                                          | 3.3 | 8         |
| 49 | Assessment of Clinical Biochemical Parameters in Roma Minority Residing in Eastern Slovakia Compared with the Majority Population. <i>Central European Journal of Public Health</i> , 2014, 22, S12-S17.                                                | 1.1 | 8         |
| 50 | The Prevalence of <i>Chlamydia Trachomatis</i> in the Population Living in Roma Settlements: a Comparison with the Majority Population. <i>Central European Journal of Public Health</i> , 2014, 22, S32-S36.                                           | 1.1 | 8         |
| 51 | Transformation of <i>Streptococcus bovis</i> protoplasts by plasmid DNA. <i>Letters in Applied Microbiology</i> , 1996, 22, 159-161.                                                                                                                    | 2.2 | 7         |
| 52 | Breast Carcinoma Progression and Tumour Vascular Markers Related to Apoptotic Mechanisms. <i>Disease Markers</i> , 2014, 2014, 1-7.                                                                                                                     | 1.3 | 7         |
| 53 | Early Diagnosis of Colorectal Cancer in Rats With <scp>DMH</scp> Induced Carcinogenesis by Means of Urine Autofluorescence Analysis. <i>Photochemistry and Photobiology</i> , 2014, 90, 682-685.                                                        | 2.5 | 7         |
| 54 | A Community-Based Study to Estimate the Seroprevalence of Trichinellosis and Echinococcosis in the Roma and Non-Roma Population of Slovakia. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 251.                  | 2.6 | 7         |

| #  | ARTICLE                                                                                                                                                                                                                                                               | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | MicroRNA molecules as predictive biomarkers of adaptive responses to strength training and physical inactivity in haemodialysis patients. <i>Scientific Reports</i> , 2020, 10, 15597.                                                                                | 3.3 | 7         |
| 56 | Roma Ethnicity and Sex-Specific Associations of Serum Uric Acid with Cardiometabolic and Hepatorenal Health Factors in Eastern Slovakian Population: The HepaMeta Study. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 7673.   | 2.6 | 7         |
| 57 | Clinical and Biochemical Determinants of Metabolic Syndrome among Roma and Non-Roma Subjects in the Eastern Part of Slovakia. <i>Central European Journal of Public Health</i> , 2014, 22, S75-S80.                                                                   | 1.1 | 7         |
| 58 | Redefining the alanine aminotransferase upper limit of normal improves the prediction of metabolic syndrome risk. <i>European Journal of Gastroenterology and Hepatology</i> , 2015, 27, 405-411.                                                                     | 1.6 | 6         |
| 59 | Specific Urinary Metabolites in Malignant Melanoma. <i>Medicina (Lithuania)</i> , 2019, 55, 145.                                                                                                                                                                      | 2.0 | 6         |
| 60 | What is the Role of the Horizontal Transmission of Hepatitis B Virus Infection in Young Adult and Middle-Aged Roma Population Living in the Settlements in East Slovakia?. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3293. | 2.6 | 6         |
| 61 | Biomarkers Associated with Obesity and Overweight in the Roma Population Residing in Eastern Slovakia. <i>Central European Journal of Public Health</i> , 2014, 22, S18-S21.                                                                                          | 1.1 | 6         |
| 62 | In vitro antagonistic effect of nisin on faecal enterococci and staphylococci. <i>Veterinari Medicina</i> , 2001, 46, 237-240.                                                                                                                                        | 0.6 | 5         |
| 63 | Vascular marker expression during the development of various types of gynaecological malignancy. <i>Tumor Biology</i> , 2014, 35, 11229-11235.                                                                                                                        | 1.8 | 5         |
| 64 | Current knowledge on the active form of Vitamin D synthesized in the skin and its effects on malignant melanoma. <i>Neoplasma</i> , 2017, 64, 1-12.                                                                                                                   | 1.6 | 5         |
| 65 | Prognostic Value of the Modified Atherogenic Index of Plasma during Body Mass Reduction in Polish Obese/Overweight People. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 68.                                                   | 2.6 | 5         |
| 66 | Strong Dependence between Tryptophan-Related Fluorescence of Urine and Malignant Melanoma. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1884.                                                                                                       | 4.1 | 5         |
| 67 | The role of physical activity and miRNAs in the vascular aging and cardiac health of dialysis patients. <i>Physiological Reports</i> , 2021, 9, e14879.                                                                                                               | 1.7 | 5         |
| 68 | Zinc(II) niflumato complex with neocuproine: Synthesis, crystal structure, characterization and cytotoxic effects on human endometrial cell lines. <i>Journal of Molecular Structure</i> , 2021, 1237, 130312.                                                        | 3.6 | 5         |
| 69 | Factors Affecting Fluorescence Analysis of Diagnostically Important Urinary Metabolites—Influence of Mixture Composition. <i>Spectroscopy Letters</i> , 2015, 48, 227-233.                                                                                            | 1.0 | 4         |
| 70 | Pilot Study of Canine Urine Analysis Using Fluorescent Fingerprint. <i>Spectroscopy Letters</i> , 2015, 48, 447-453.                                                                                                                                                  | 1.0 | 4         |
| 71 | Selected physicochemical properties of amniotic fluid according to week of pregnancy. <i>Bratislava Medical Journal</i> , 2018, 119, 175-179.                                                                                                                         | 0.8 | 4         |
| 72 | Monitoring of Thoracic Aortic Aneurysm in Blood by Fluorescence Spectroscopy. <i>American Journal of Medical and Biological Research</i> , 2015, 3, 128-132.                                                                                                          | 0.5 | 4         |

| #  | ARTICLE                                                                                                                                                                                                                                                  | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Fluorescence biomarkers of malignant melanoma detectable in urine. <i>Open Chemistry</i> , 2020, 18, 898-910.                                                                                                                                            | 1.9 | 4         |
| 74 | Hypoxia factors suppression effect on the energy metabolism of a malignant melanoma cell SK-MEL-30. <i>European Review for Medical and Pharmacological Sciences</i> , 2020, 24, 4909-4920.                                                               | 0.7 | 4         |
| 75 | Successful correction of hyperglycemia is critical for weight loss and a decrease in cardiovascular risk in obese patients. <i>Journal of Nutritional Biochemistry</i> , 2022, 106, 109021.                                                              | 4.2 | 4         |
| 76 | Development of novel parameter for monitoring of malignant melanoma progression. <i>Practical Laboratory Medicine</i> , 2020, 22, e00182.                                                                                                                | 1.3 | 3         |
| 77 | Location of the Î±-amylase gene in rumen <i>Streptococcus bovis</i> strains distinguished by unstable amylase activity. <i>Folia Microbiologica</i> , 1995, 40, 181-184.                                                                                 | 2.3 | 2         |
| 78 | The use of native fluorescence analysis of synovial fluid in the diagnosis of medial compartment disease in medium- and large-breed dogs. <i>Journal of Veterinary Diagnostic Investigation</i> , 2016, 28, 332-337.                                     | 1.1 | 2         |
| 79 | Autofluorescence of Breast Cancer Proteins. <i>Current Metabolomics</i> , 2018, 6, .                                                                                                                                                                     | 0.5 | 2         |
| 80 | Lipoprotein-Cholesterol Fractions in Marginalized Roma versus Majority Population. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 81.                                                                              | 2.6 | 2         |
| 81 | Loss of Skeletal Muscle Mass and Intracellular Water as Undesired Outcomes of Weight Reduction in Obese Hyperglycemic Women: A Short-Term Longitudinal Study. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 1001. | 2.6 | 2         |
| 82 | A novel method for the detection of liver damage using fluorescence of hepatic mitochondria in a rat model following ischaemia/reperfusion injury of the small intestine. <i>Spectroscopy</i> , 2011, 26, 237-243.                                       | 0.8 | 1         |
| 83 | Deoxyribonucleic acid and chromatin imaging of endometriosis and endometrial carcinoma using atomic force microscopy. <i>Spectroscopy Letters</i> , 2019, 52, 510-519.                                                                                   | 1.0 | 1         |
| 84 | Zinc(II) niflumato complex effects on MMP activity and gene expression in human endometrial cell lines. <i>Scientific Reports</i> , 2021, 11, 19086.                                                                                                     | 3.3 | 1         |
| 85 | Evaluation of Molecular Changes of Distal Organs After Small Bowel Transplantation. <i>Physiological Research</i> , 2018, 67, 591-599.                                                                                                                   | 0.9 | 1         |
| 86 | Noninvasive Cancer Diagnostics Using Native Fluorescence Analysis of Biological Fluids. <i>Reviews in Fluorescence</i> , 2017, , 185-201.                                                                                                                | 0.5 | 0         |
| 87 | Metabolites of Tryptophane and Phenylalanine as Markers of Small Bowel Ischemia-Reperfusion Injury. <i>Open Chemistry</i> , 2018, 16, 709-715.                                                                                                           | 1.9 | 0         |
| 88 | Insulin-like growth factor (IGF) system and hormonal-metabolic profile in women with polycystic ovary syndrome. <i>Bratislava Medical Journal</i> , 2021, 122, 469-473.                                                                                  | 0.8 | 0         |
| 89 | Is there a role for the IGF system and epidermal growth factor (EGF) in the pathogenesis of adrenocortical adenomas? A preliminary case-control study. <i>Physiological Research</i> , 2020, 69, 1085-1094.                                              | 0.9 | 0         |