

# Natalija Filipovic

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

578  
citations

687363

13  
h-index

888059

17  
g-index

72  
all docs

72  
docs citations

72  
times ranked

682  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                                              | IF  | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | The Interplay of Cx26, Cx32, Cx37, Cx40, Cx43, Cx45, and Panx1 in Inner-Ear Development of Yotari ( <i>dab1<sup>-/-</sup></i> ) Mice and Humans. <i>Biomedicines</i> , 2022, 10, 589.                                                                                                | 3.2 | 1         |
| 2  | Expression of Pannexin 1 in the Human Kidney during Embryonal, Early Fetal and Postnatal Development and Its Prognostic Significance in Diabetic Nephropathy. <i>Biomedicines</i> , 2022, 10, 944.                                                                                   | 3.2 | 4         |
| 3  | The Expression of Connexin 37, 40, 43, 45 and Pannexin 1 in the Early Human Retina and Choroid Development and Tumorigenesis. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5918.                                                                                   | 4.1 | 7         |
| 4  | A Lack of GD3 Synthase Leads to Impaired Renal Expression of Connexins and Pannexin1 in <i>St8sia1</i> Knockout Mice. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6237.                                                                                           | 4.1 | 1         |
| 5  | Potential Influence of Age and Diabetes Mellitus Type 1 on MSH2 (MutS homolog 2) Expression in a Rat Kidney Tissue. <i>Genes</i> , 2022, 13, 1053.                                                                                                                                   | 2.4 | 0         |
| 6  | Differences in Immunohistochemical and Ultrastructural Features between Podocytes and Parietal Epithelial Cells (PECs) Are Observed in Developing, Healthy Postnatal, and Pathologically Changed Human Kidneys. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7501. | 4.1 | 4         |
| 7  | Alteration of Cx37, Cx40, Cx43, Cx45, Panx1, and Renin Expression Patterns in Postnatal Kidneys of <i>Dab1<sup>-/-</sup></i> (yotari) Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1284.                                                                     | 4.1 | 12        |
| 8  | Expression Pattern of iNOS, BCL-2 and MMP-9 in the Hip Synovium Tissue of Patients with Osteoarthritis. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1489.                                                                                                         | 4.1 | 6         |
| 9  | Spatio-Temporal Expression Pattern of Ki-67, pRB, MMP-9 and Bax in Human Secondary Palate Development. <i>Life</i> , 2021, 11, 164.                                                                                                                                                  | 2.4 | 4         |
| 10 | GREB1L, CRELD2 and ITGA10 expression in the human developmental and postnatal kidneys: an immunohistochemical study. <i>Acta Histochemica</i> , 2021, 123, 151679.                                                                                                                   | 1.8 | 4         |
| 11 | Expression Pattern of $\gamma$ -Tubulin, Inversin and Its Target Dishevelled-1 and Morphology of Primary Cilia in Normal Human Kidney Development and Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 3500.                                                 | 4.1 | 5         |
| 12 | A Homozygous <i>Dab1<sup>-/-</sup></i> Is a Potential Novel Cause of Autosomal Recessive Congenital Anomalies of the Mice Kidney and Urinary Tract. <i>Biomolecules</i> , 2021, 11, 609.                                                                                             | 4.0 | 9         |
| 13 | Immunohistochemical Expression Pattern of Mismatch Repair Genes in the Short-term Streptozotocin-induced Diabetic Rat Kidneys. <i>Applied Immunohistochemistry and Molecular Morphology</i> , 2021, Publish Ahead of Print, e83-e91.                                                 | 1.2 | 4         |
| 14 | Increased expression of dendrin in the dorsal horn of the spinal cord during stress is regulated by sex hormones. <i>Neuropeptides</i> , 2021, 86, 102126.                                                                                                                           | 2.2 | 1         |
| 15 | Expression Pattern of 5-HT (Serotonin) Receptors during Normal Development of the Human Spinal Cord and Ganglia and in Fetus with Cervical Spina Bifida. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7320.                                                        | 4.1 | 4         |
| 16 | Expression of renal vitamin D receptors and metabolizing enzymes in IgA nephropathy. <i>Acta Histochemica</i> , 2021, 123, 151740.                                                                                                                                                   | 1.8 | 2         |
| 17 | CRKL, AIFM3, AIF, BCL2, and UBASH3A during Human Kidney Development. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9183.                                                                                                                                            | 4.1 | 4         |
| 18 | Connexin Expression Is Altered in Liver Development of Yotari ( <i>dab1<sup>-/-</sup></i> ) Mice. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10712.                                                                                                              | 4.1 | 5         |

| #  | ARTICLE                                                                                                                                                                                                       | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Sex-specific effects of metformin and liraglutide on renal pathology and expression of connexin 45 and pannexin 1 following long-term high-fat high-sugar diet. <i>Acta Histochemica</i> , 2021, 123, 151817. | 1.8 | 2         |
| 20 | Chronic Stress and Gonadectomy Affect the Expression of Cx37, Cx40 and Cx43 in the Spinal Cord. <i>Life</i> , 2021, 11, 1330.                                                                                 | 2.4 | 4         |
| 21 | Changes in snail and SRF expression in the kidneys of diabetic rats during ageing. <i>Acta Histochemica</i> , 2020, 122, 151460.                                                                              | 1.8 | 8         |
| 22 | Prognostic value of connective tissue growth factor and c-Myb expression in IgA nephropathy and Henoch-Schönlein purpura—A pilot immunohistochemical study. <i>Acta Histochemica</i> , 2020, 122, 151479.     | 1.8 | 9         |
| 23 | PUFAs supplementation affects the renal expression of pannexin 1 and connexins in diabetic kidney of rats. <i>Histochemistry and Cell Biology</i> , 2020, 153, 165-175.                                       | 1.7 | 9         |
| 24 | Connexin Signaling in the Juxtaglomerular Apparatus (JGA) of Developing, Postnatal Healthy and Nephrotic Human Kidneys. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8349.                  | 4.1 | 10        |
| 25 | Factors That Determine Completion Rates of Biomedical Students in a PhD Programme. <i>Education Sciences</i> , 2020, 10, 336.                                                                                 | 2.6 | 2         |
| 26 | Expression pattern of apoptosis-inducing factor in the kidneys of streptozotocin-induced diabetic rats. <i>Acta Histochemica</i> , 2020, 122, 151655.                                                         | 1.8 | 12        |
| 27 | Effects of Different n6/n3 PUFAs Dietary Ratio on Cardiac Diabetic Neuropathy. <i>Nutrients</i> , 2020, 12, 2761.                                                                                             | 4.1 | 9         |
| 28 | Expression of Connexins 37, 43 and 45 in Developing Human Spinal Cord and Ganglia. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9356.                                                       | 4.1 | 8         |
| 29 | SATB1 and PTEN expression patterns in biopsy proven kidney diseases. <i>Acta Histochemica</i> , 2020, 122, 151631.                                                                                            | 1.8 | 2         |
| 30 | Spatio-temporal patterning of different connexins in developing and postnatal human kidneys and in nephrotic syndrome of the Finnish type (CNF). <i>Scientific Reports</i> , 2020, 10, 8756.                  | 3.3 | 7         |
| 31 | Renal expression of sigma 1 receptors in diabetic rats. <i>Acta Histochemica</i> , 2020, 122, 151580.                                                                                                         | 1.8 | 4         |
| 32 | Ultrastructural characterization of vitamin D receptors and metabolizing enzymes in the lipid droplets of the fatty liver in rat. <i>Acta Histochemica</i> , 2020, 122, 151502.                               | 1.8 | 11        |
| 33 | Dietary DHA/EPA supplementation ameliorates diabetic nephropathy by protecting from distal tubular cell damage. <i>Cell and Tissue Research</i> , 2019, 378, 301-317.                                         | 2.9 | 24        |
| 34 | Immunohistochemical expression pattern of RIP5, FGFR1, FGFR2 and HIP2 in the normal human kidney development. <i>Acta Histochemica</i> , 2019, 121, 531-538.                                                  | 1.8 | 14        |
| 35 | Time course and expression pattern of the neuronal markers in the developing human spinal cord. <i>International Journal of Developmental Neuroscience</i> , 2019, 74, 1-10.                                  | 1.6 | 3         |
| 36 | Sigma-1 Receptor Expression in DRG Neurons During a Carrageenan-Induced Inflammation. <i>Anatomical Record</i> , 2019, 302, 1620-1627.                                                                        | 1.4 | 9         |

| #  | ARTICLE                                                                                                                                                                                                                             | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Expression and localization of DAB1 and Reelin during normal human kidney development. <i>Croatian Medical Journal</i> , 2019, 60, 521-531.                                                                                         | 0.7 | 16        |
| 38 | Changes in expression of special AT-rich sequence binding protein 1 and phosphatase and tensin homologue in kidneys of diabetic rats during ageing. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, 1734-1741.               | 0.7 | 8         |
| 39 | Hepatic Lipogenesis and Brain Fatty Acid Profile in Response to Different Dietary n6/n3 Ratios and DHA/EPA Supplementation in Streptozotocin Treated Rats. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1701007.       | 3.3 | 16        |
| 40 | Changes in neurofilament 200 and tyrosine hydroxylase expression in the cardiac innervation of diabetic rats during aging. <i>Cardiovascular Pathology</i> , 2018, 32, 38-43.                                                       | 1.6 | 10        |
| 41 | Expression of DENDRIN in several glomerular diseases and correlation to pathological parameters and renal failure - preliminary study. <i>Diagnostic Pathology</i> , 2018, 13, 90.                                                  | 2.0 | 5         |
| 42 | Reabsorption in the proximal tubuli—ultrastructural evidence for a novel aspect of renal VEGF trafficking. <i>Cell and Tissue Research</i> , 2018, 374, 189-201.                                                                    | 2.9 | 5         |
| 43 | Glomeruli from patients with nephrin mutations show increased number of ciliated and poorly differentiated podocytes. <i>Acta Histochemica</i> , 2018, 120, 748-756.                                                                | 1.8 | 10        |
| 44 | Expression of vitamin D receptors in the superior cervical ganglia of rats. <i>Biotechnic and Histochemistry</i> , 2018, 93, 320-327.                                                                                               | 1.3 | 4         |
| 45 | Chronic sucrose intake increases expression of SREBP-1c and inflammatory response genes in rat kidneys without significant changes in long chain polyunsaturated fatty acid content. <i>Veterinarski Arhiv</i> , 2018, 88, 497-510. | 0.3 | 1         |
| 46 | Neuronal differentiation in the early human retinogenesis. <i>Acta Histochemica</i> , 2017, 119, 264-272.                                                                                                                           | 1.8 | 7         |
| 47 | Effects of treatment with sucrose in drinking water on liver histology, lipogenesis and lipogenic gene expression in rats fed high-fiber diet. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2017, 116, 1-8.       | 2.2 | 18        |
| 48 | Expression of Epithelial and Mesenchymal Differentiation Markers in the Early Human Gonadal Development. <i>Anatomical Record</i> , 2017, 300, 1315-1326.                                                                           | 1.4 | 8         |
| 49 | Diabetes mellitus influences the expression of NPY and VEGF in neurons of rat trigeminal ganglion. <i>Neuropeptides</i> , 2017, 62, 57-64.                                                                                          | 2.2 | 12        |
| 50 | Immunohistochemical and electronmicroscopic features of mesenchymal-to-epithelial transition in human developing, postnatal and nephrotic podocytes. <i>Histochemistry and Cell Biology</i> , 2017, 147, 481-495.                   | 1.7 | 15        |
| 51 | Expression pattern of CYP24 in liver during ageing in long-term diabetes. <i>Acta Histochemica</i> , 2016, 118, 486-495.                                                                                                            | 1.8 | 6         |
| 52 | Neuronal differentiation in the developing human spinal ganglia. <i>Anatomical Record</i> , 2016, 299, 1060-1072.                                                                                                                   | 1.4 | 6         |
| 53 | Ageing and a long-term diabetes mellitus increase expression of 1 $\alpha$ -hydroxylase and vitamin D receptors in the rat liver. <i>Experimental Gerontology</i> , 2015, 72, 167-176.                                              | 2.8 | 8         |
| 54 | Expression pattern of RAGE and IGF-1 in the human fetal ovary and ovarian serous carcinoma. <i>Acta Histochemica</i> , 2015, 117, 468-476.                                                                                          | 1.8 | 16        |

| #  | ARTICLE                                                                                                                                                                                                                          | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Diabetes mellitus affects activity of calcium/calmodulin-dependent protein kinase II alpha in rat trigeminal ganglia. <i>Journal of Chemical Neuroanatomy</i> , 2015, 64-65, 12-19.                                              | 2.1 | 8         |
| 56 | Effects of isoflurane postconditioning on chronic phase of ischemia-reperfusion heart injury in rats. <i>Cardiovascular Pathology</i> , 2015, 24, 94-101.                                                                        | 1.6 | 18        |
| 57 | Interplay of proliferation and differentiation factors is revealed in the early human eye development. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2015, 253, 2187-2201.                               | 1.9 | 8         |
| 58 | Expression of nestin in superior cervical ganglia of rats is influenced by gender and gonadectomy. <i>Journal of Chemical Neuroanatomy</i> , 2015, 63, 6-12.                                                                     | 2.1 | 3         |
| 59 | Tissue fatty acid composition and estimated $\Delta^5$ desaturase activity after castration in chicken broilers fed with linseed or sunflower oil. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2014, 98, 384-392. | 2.2 | 15        |
| 60 | Expression of PTHrP and PTH/PTHrP receptor 1 in the superior cervical ganglia of rats. <i>Neuropeptides</i> , 2014, 48, 353-359.                                                                                                 | 2.2 | 7         |
| 61 | Long-term streptozotocin diabetes impairs arachidonic and docosahexaenoic acid metabolism and $\Delta^5$ desaturation indices in aged rats. <i>Experimental Gerontology</i> , 2014, 60, 140-146.                                 | 2.8 | 21        |
| 62 | The influence of age on bone metabolism in mares during late pregnancy and lactation. <i>Research in Veterinary Science</i> , 2014, 97, 194-198.                                                                                 | 1.9 | 5         |
| 63 | Gender and gonadectomy influence on neurons in superior cervical ganglia of sexually mature rats. <i>Neuroscience Letters</i> , 2014, 563, 55-60.                                                                                | 2.1 | 7         |
| 64 | Isoflurane post-conditioning stimulates the proliferative phase of myocardial recovery in an ischemia-reperfusion model of heart injury in rats. <i>Histology and Histopathology</i> , 2014, 29, 89-99.                          | 0.7 | 7         |
| 65 | Changes in cardiac innervation during maturation in long-term diabetes. <i>Experimental Gerontology</i> , 2013, 48, 1473-1478.                                                                                                   | 2.8 | 6         |
| 66 | Increased vitamin D receptor expression in dorsal root ganglia neurons of diabetic rats. <i>Neuroscience Letters</i> , 2013, 549, 140-145.                                                                                       | 2.1 | 22        |
| 67 | Relationship between fructosamine with serum protein, albumin and glucose concentrations in dairy ewes. <i>Small Ruminant Research</i> , 2011, 96, 46-48.                                                                        | 1.2 | 18        |
| 68 | Blood lipids and fatty acid composition of abdominal fat in castrated and intact male common pheasant ( <i>Colchicus colchicus</i> ). <i>Italian Journal of Animal Science</i> , 2010, 9, e78.                                   | 1.9 | 4         |
| 69 | The influence of late pregnancy and lactation on bone metabolism in mares. <i>Research in Veterinary Science</i> , 2010, 88, 405-410.                                                                                            | 1.9 | 14        |
| 70 | Serum fructosamine concentrations in relation to metabolic changes during late pregnancy and early lactation in mares. <i>Berliner Und Munchener Tierarztliche Wochenschrift</i> , 2010, 123, 169-73.                            | 0.7 | 5         |
| 71 | Plasma parathyroid hormone-related peptide and bone metabolism in periparturient dairy cows. <i>Acta Veterinaria Hungarica</i> , 2008, 56, 235-244.                                                                              | 0.5 | 13        |