

# Ferruh Artunc

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

2,488  
citations

236925

25  
h-index

214800

47  
g-index

129  
all docs

129  
docs citations

129  
times ranked

3638  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Proteolytic activation of the epithelial sodium channel (ENaC) by factor VII activating protease (FSAP) and its relevance for sodium retention in nephrotic mice. <i>Pflugers Archiv European Journal of Physiology</i> , 2022, 474, 217-229. | 2.8 | 17        |
| 2  | Sodium retention in nephrotic syndrome is independent of the activation of the membrane-anchored serine protease prostatic (CAP1/PRSS8) and its enzymatic activity. <i>Pflugers Archiv European Journal of Physiology</i> , 2022, , 1.        | 2.8 | 8         |
| 3  | The authors reply. <i>Kidney International</i> , 2022, 101, 649-650.  | 5.2 | 1         |
| 4  | Rodent models to study sodium retention in experimental nephrotic syndrome. <i>Acta Physiologica</i> , 2022, 235, e13844.   | 3.8 | 7         |
| 5  | EPCAM and TROP2 share a role in claudin stabilization and development of intestinal and extraintestinal epithelia in mice. <i>Biology Open</i> , 2022, 11, .  | 1.2 | 4         |
| 6  | Proteolytic Activity against the Distal Polybasic Tract of the Gamma Subunit of the Epithelial Sodium Channel ENaC in Nephrotic Urine. <i>Current Medicinal Chemistry</i> , 2022, 29, 6433-6445.  | 2.4 | 4         |
| 7  | Plasminogen deficiency does not prevent sodium retention in a genetic mouse model of experimental nephrotic syndrome. <i>Acta Physiologica</i> , 2021, 231, e13512.   | 3.8 | 19        |
| 8  | Proteasuria in nephrotic syndrome—quantification and proteomic profiling. <i>Journal of Proteomics</i> , 2021, 230, 103981.   | 2.4 | 22        |
| 9  | Renal effects of the serine protease inhibitor aprotinin in healthy conscious mice. <i>Acta Pharmacologica Sinica</i> , 2021, , .   | 6.1 | 6         |
| 10 | Zymogen-locked mutant prostatic (Prss8) leads to incomplete proteolytic activation of the epithelial sodium channel (ENaC) and severely compromises triamterene tolerance in mice. <i>Acta Physiologica</i> , 2021, 232, e13640.              | 3.8 | 18        |
| 11 | The Case   A 74-year-old liver transplant recipient with nephrotic-range proteinuria. <i>Kidney International</i> , 2021, 99, 1031-1032.  | 5.2 | 0         |
| 12 | FC 015 LACK OF PLASMINOGEN RELATES TO A HYPERCOAGULABLE STATE IN MICE WITH EXPERIMENTAL NEPHROTIC SYNDROME. <i>Nephrology Dialysis Transplantation</i> , 2021, 36, .  | 0.7 | 0         |
| 13 | Proteasurie als Mechanismus der Ä–dementstehung beim nephrotischen Syndrom. <i>Nieren- Und Hochdruckkrankheiten</i> , 2021, 50, 187-193.  | 0.0 | 0         |
| 14 | Detection of Fully Cleaved Gamma Subunit of the Epithelial Sodium Channel (Î³-ENaC) in Kidney Cortex of Healthy and Nephrotic Wild Type Mice. <i>FASEB Journal</i> , 2021, 35, .  | 0.5 | 0         |
| 15 | Intraperitoneal extension of the peritoneal dialysis catheter—a new technique for catheter implantation in patients with obesity. <i>Journal of Nephrology</i> , 2021, , 1.   | 2.0 | 1         |
| 16 | Role of mTOR Signaling for Tubular Function and Disease. <i>Physiology</i> , 2021, 36, 350-358.   | 3.1 | 4         |
| 17 | Proteinuric chronic kidney disease is associated with altered red blood cell lifespan, deformability and metabolism. <i>Kidney International</i> , 2021, 100, 1227-1239.  | 5.2 | 37        |
| 18 | Essential role of DNA-PKcs and plasminogen for the development of doxorubicin-induced glomerular injury in mice. <i>DMM Disease Models and Mechanisms</i> , 2021, 14, .   | 2.4 | 4         |

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|----|--|-----|-----------|
| 19 | Experimental nephrotic syndrome leads to proteolytic activation of the epithelial Na <sup>+</sup> channel in the mouse kidney. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, F480-F493.                  | 2.7 | 13        |
| 20 | Uncovering the Mechanisms Behind Nephrotic Syndrome to Develop Novel Therapeutics. , 2021, , .   |     | 0         |
| 21 | Rebuttal to editorial: Sodium retention by uPA in nephrotic syndrome?. <i>Acta Physiologica</i> , 2020, 228, e13427.   | 3.8 | 3         |
| 22 | Kidney-derived PCSK9 a new driver of hyperlipidemia in nephrotic syndrome?. <i>Kidney International</i> , 2020, 98, 1393-1395.   | 5.2 | 13        |
| 23 | MO061 PLASMINOGEN DEFICIENCY DOES NOT PROTECT MICE FROM SODIUM RETENTION IN EXPERIMENTAL NEPHROTIC SYNDROME. <i>Nephrology Dialysis Transplantation</i> , 2020, 35, .  | 0.7 | 0         |
| 24 | Thrombospondin-1/CD47 signaling modulates transmembrane cation conductance, survival, and deformability of human red blood cells. <i>Cell Communication and Signaling</i> , 2020, 18, 155.                                       | 6.5 | 14        |
| 25 | Overhydration Measured by Bioimpedance Spectroscopy and Urinary Serine Protease Activity Are Risk Factors for Progression of Chronic Kidney Disease. <i>Kidney and Blood Pressure Research</i> , 2020, 45, 955-968.              | 2.0 | 5         |
| 26 | Beta-Glycerophosphate-Induced ORAI1 Expression and Store Operated Ca <sup>2+</sup> Entry in Megakaryocytes. <i>Scientific Reports</i> , 2020, 10, 1728.  | 3.3 | 9         |
| 27 | After ten years of follow-up, no difference between supportive care plus immunosuppression and supportive care alone in IgA nephropathy. <i>Kidney International</i> , 2020, 98, 1044-1052.                                      | 5.2 | 103       |
| 28 | Proteolytic Activation of the Epithelial Sodium Channel in Nephrotic Syndrome by Proteasuria: Concept and Therapeutic Potential. <i>Turkish Journal of Nephrology</i> , 2020, 29, 59-65.   | 0.1 | 5         |
| 29 | Population data provide evidence against the presence of a set point for hemoglobin levels or tissue oxygen delivery. <i>Physiological Reports</i> , 2019, 7, e14153.  | 1.7 | 5         |
| 30 | Implementation of Urgent Start Peritoneal Dialysis Reduces Hemodialysis Catheter Use and Hospital Stay in Patients with Unplanned Dialysis Start. <i>Kidney and Blood Pressure Research</i> , 2019, 44, 1383-1391.               | 2.0 | 9         |
| 31 | Retrobulbar Sinus Injection of Doxorubicin is More Efficient Than Lateral Tail Vein Injection at Inducing Experimental Nephrotic Syndrome in Mice: A Pilot Study. <i>Laboratory Animals</i> , 2019, 53, 564-576.                 | 1.0 | 8         |
| 32 | Urokinase-type plasminogen activator (uPA) is not essential for epithelial sodium channel (ENaC)-mediated sodium retention in experimental nephrotic syndrome. <i>Acta Physiologica</i> , 2019, 227, e13286.                     | 3.8 | 36        |
| 33 | Performance of a novel high sensitivity cardiac troponin I assay in asymptomatic hemodialysis patients – evidence for sex-specific differences. <i>Clinical Chemistry and Laboratory Medicine</i> , 2019, 57, 1261-1270.         | 2.3 | 6         |
| 34 | Effect of SGLT2 inhibitors on body composition, fluid status and renin-angiotensin-aldosterone system in type 2 diabetes: a prospective study using bioimpedance spectroscopy. <i>Cardiovascular Diabetology</i> , 2019, 18, 46. | 6.8 | 146       |
| 35 | Elimination of Contrast Agent Gadobutrol with Sustained Low Efficiency Daily Dialysis Compared to Intermittent Hemodialysis. <i>Kidney and Blood Pressure Research</i> , 2019, 44, 1363-1371.                                    | 2.0 | 1         |
| 36 | Proteasuria – The impact of active urinary proteases on sodium retention in nephrotic syndrome. <i>Acta Physiologica</i> , 2019, 225, e13249.  | 3.8 | 43        |

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|----|--|-----|-----------|
| 37 | Phosphate-induced ORAI1 Expression and Store Operated Ca <sup>2+</sup> Entry in Megakaryocytes. , 2019, 39, .  |     | 1         |
| 38 | Systemic haemodynamics in haemodialysis: intradialytic changes and prognostic significance. Nephrology Dialysis Transplantation, 2018, 33, 1419-1427.  | 0.7 | 11        |
| 39 | Plasma kallikrein activates the epithelial sodium channel in vitro but is not essential for volume retention in nephrotic mice. Acta Physiologica, 2018, 224, e13060.  | 3.8 | 32        |
| 40 | Aprotinin prevents proteolytic epithelial sodium channel (ENaC) activation and volume retention in nephrotic syndrome. Kidney International, 2018, 93, 159-172.  | 5.2 | 77        |
| 41 | FP278 CHARACTERIZATION AND QUANTIFICATION OF PROTEASURIA IN NEPHROTIC SYNDROME. Nephrology Dialysis Transplantation, 2018, 33, i125-i125.  | 0.7 | 1         |
| 42 | Induction of Nephrotic Syndrome in Mice by Retrobulbar Injection of Doxorubicin and Prevention of Volume Retention by Sustained Release Aprotinin. Journal of Visualized Experiments, 2018, , .  | 0.3 | 6         |
| 43 | mTOR Regulates Endocytosis and Nutrient Transport in Proximal Tubular Cells. Journal of the American Society of Nephrology: JASN, 2017, 28, 230-241.   | 6.1 | 79        |
| 44 | Ostéomalacie provoquée par une tumeur mésenchymateuse productrice de FGF23: ablation par radiofréquence suivie de guérison. Revue Du Rhumatisme (Edition Française), 2017, 84, 361-362.  | 0.0 | 0         |
| 45 | Apparent Treatment-Resistant Hypertension and Chronic Kidney Disease: Another Cardiovascular "Renal Syndrome"? , 2017, , 25-38.  |     | 1         |
| 46 | Routine Monitoring of Sodium and Phosphorus Removal in Peritoneal Dialysis (PD) Patients Treated with Continuous Ambulatory PD (CAPD), Automated PD (APD) or Combined CAPD+APD. Kidney and Blood Pressure Research, 2017, 42, 257-266. | 2.0 | 11        |
| 47 | Eryptosis - the Neglected Cause of Anemia in End Stage Renal Disease. Kidney and Blood Pressure Research, 2017, 42, 749-760.   | 2.0 | 40        |
| 48 | Obesity and renal disease: not all fat is created equal and not all obesity is harmful to the kidneys. Nephrology Dialysis Transplantation, 2016, 31, 726-730.   | 0.7 | 40        |
| 49 | SP514 HEMODYNAMIC MONITORING OF HEMODIALYSIS PATIENTS AND PREDICTORS OF DROP IN CARDIAC INDEX DURING HEMODIALYSIS. Nephrology Dialysis Transplantation, 2016, 31, i264-i265.   | 0.7 | 0         |
| 50 | Reduced Erythrocyte Survival in Uremic Patients Under Hemodialysis or Peritoneal Dialysis. Kidney and Blood Pressure Research, 2016, 41, 966-977.  | 2.0 | 46        |
| 51 | Association of Plasminuria with Overhydration in Patients with CKD. Clinical Journal of the American Society of Nephrology: CJASN, 2016, 11, 761-769.  | 4.5 | 46        |
| 52 | The impact of insulin resistance on the kidney and vasculature. Nature Reviews Nephrology, 2016, 12, 721-737.  | 9.6 | 241       |
| 53 | Osteomalacia by a mesenchymal-FGF23-producing tumour: Successful treatment with radiofrequency ablation. A case report. Joint Bone Spine, 2016, 83, 603-604.   | 1.6 | 4         |
| 54 | mTORC2 critically regulates renal potassium handling. Journal of Clinical Investigation, 2016, 126, 1773-1782.   | 8.2 | 37        |

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|----|--|-----|-----------|
| 55 | Wie viel Kochsalz in der Nahrung ist zu viel?. Nieren- Und Hochdruckkrankheiten, 2016, 45, 455-460.  | 0.0 | 0         |
| 56 | Urinary Neutrophil Gelatinase-Associated Lipocalin (NGAL) and proteinuria predict severity of acute kidney injury in Puumala virus infection. BMC Infectious Diseases, 2015, 15, 464.  | 2.9 | 22        |
| 57 | Sclerostin Quo Vadis? - Is This a Useful Long-Term Mortality Parameter in Prevalent Hemodialysis Patients?. Kidney and Blood Pressure Research, 2015, 40, 266-276.   | 2.0 | 19        |
| 58 | Impact of Phosphorus Restriction and Vitamin D-Substitution on Secondary Hyperparathyroidism in a Proteinuric Mouse Model. Kidney and Blood Pressure Research, 2015, 40, 153-165.  | 2.0 | 21        |
| 59 | Determination of Procalcitonin Levels in Patients with Nephropathia Epidemica - A Useful Tool or an Unnecessary Diagnostic Procedure?. Kidney and Blood Pressure Research, 2015, 40, 22-30.  | 2.0 | 9         |
| 60 | Polyuria in Hantavirus Infection Reflects Disease Severity and Is Associated with Prolonged Hospital Stay: A Systematic Analysis of 335 Patients from Southern Germany. Nephron Experimental Nephrology, 2015, 128, 111-115.             | 2.2 | 4         |
| 61 | Evaluation of lipase levels in patients with nephropathia epidemica - no evidence for acute pancreatitis. BMC Infectious Diseases, 2015, 15, 286.  | 2.9 | 7         |
| 62 | Removal of Dabigatran Is Superior by Sustained Low Efficient Dialysis (SLED) Compared to Intermittent Hemodialysis. Blood Purification, 2015, 39, 331-332.   | 1.8 | 7         |
| 63 | Severe thrombocytopenia in hantavirus-induced nephropathia epidemica. Infection, 2015, 43, 83-87.  | 4.7 | 19        |
| 64 | Plasma Concentrations of the Vasoactive Peptide Fragments Mid-Regional Pro-Adrenomedullin, C-Terminal Pro-Endothelin 1 and Copeptin in Hemodialysis Patients: Associated Factors and Prediction of Mortality. PLoS ONE, 2014, 9, e86148. | 2.5 | 17        |
| 65 | Prognostic Value and Link to Atrial Fibrillation of Soluble Klotho and FGF23 in Hemodialysis Patients. PLoS ONE, 2014, 9, e100688.   | 2.5 | 62        |
| 66 | mTORC1 maintains renal tubular homeostasis and is essential in response to ischemic stress. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E2817-26.  | 7.1 | 82        |
| 67 | Mineralocorticoid and SGK1-Sensitive Inflammation and Tissue Fibrosis. Nephron Physiology, 2014, 128, 35-39.   | 1.2 | 31        |
| 68 | Mortality Prediction Using Modern Peptide Biomarkers in Hemodialysis Patients - A Comparative Analysis. Kidney and Blood Pressure Research, 2014, 39, 563-572.   | 2.0 | 23        |
| 69 | Suicidal erythrocyte death in end-stage renal disease. Journal of Molecular Medicine, 2014, 92, 871-879.   | 3.9 | 113       |
| 70 | Differential cystine and dibasic amino acid handling after loss of function of the amino acid transporter b <sup>0,+</sup> AT (Slc7a9) in mice. American Journal of Physiology - Renal Physiology, 2013, 305, F1645-F1655.               | 2.7 | 13        |
| 71 | Novel epithelial cell models. Nephrology Dialysis Transplantation, 2013, 28, i61-i61.  | 0.7 | 0         |
| 72 | Comparison of the Diagnostic Performance of Three Natriuretic Peptides in Hemodialysis Patients: Which is the Appropriate Biomarker?. Kidney and Blood Pressure Research, 2012, 36, 172-181.   | 2.0 | 14        |

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|----|---|------|-----------|
| 73 | The Case   Unusual cause of chronic renal failure with elevated liver enzymes. <i>Kidney International</i> , 2012, 82, 1239-1240.   | 5.2  | 0         |
| 74 | Sensitive Troponins â€œ Which Suits Better for Hemodialysis Patients? Associated Factors and Prediction of Mortality. <i>PLoS ONE</i> , 2012, 7, e47610.  | 2.5  | 50        |
| 75 | FAN1 mutations cause karyomegalic interstitial nephritis, linking chronic kidney failure to defective DNA damage repair. <i>Nature Genetics</i> , 2012, 44, 910-915.  | 21.4 | 205       |
| 76 | MRI to assess renal structure and function. <i>Current Opinion in Nephrology and Hypertension</i> , 2011, 20, 669-675.  | 2.0  | 23        |
| 77 | Measurement of glomerular filtration rate using dynamic magnetic resonance imaging in patients with chronic kidney disease. <i>Journal of Nephrology</i> , 2011, 24, 482-489.   | 2.0  | 8         |
| 78 | Gastrointestinal: Hepatic portal venous gas after cardiogenic shock and intraaortic ballon pulsation therapy. <i>Journal of Gastroenterology and Hepatology (Australia)</i> , 2010, 25, 644-644.                                    | 2.8  | 2         |
| 79 | Simultaneous evaluation of renal morphology and function in live kidney donors using dynamic magnetic resonance imaging. <i>Nephrology Dialysis Transplantation</i> , 2010, 25, 1986-1991.  | 0.7  | 19        |
| 80 | Responses to Diuretic Treatment in Gene-Targeted Mice Lacking Serum- and Glucocorticoid-Inducible Kinase 1. <i>Kidney and Blood Pressure Research</i> , 2009, 32, 119-127.  | 2.0  | 16        |
| 81 | The physiological impact of the serum and glucocorticoid-inducible kinase SGK1. <i>Current Opinion in Nephrology and Hypertension</i> , 2009, 18, 439-448.  | 2.0  | 125       |
| 82 | Comprehensive Assessment of Renal Function and Vessel Morphology in Potential Living Kidney Donors. <i>Investigative Radiology</i> , 2009, 44, 705-711.   | 6.2  | 17        |
| 83 | Lack of the serum and glucocorticoid-inducible kinase SGK1 attenuates the volume retention after treatment with the PPAR $\gamma$ agonist pioglitazone. <i>Pflugers Archiv European Journal of Physiology</i> , 2008, 456, 425-436. | 2.8  | 28        |
| 84 | Serum- and glucocorticoid-inducible kinase 1 in doxorubicin-induced nephrotic syndrome. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, F1624-F1634.  | 2.7  | 31        |
| 85 | Effects of tetrahydrobiopterin on nitric oxide bioavailability and renal hemodynamics in healthy volunteers. <i>Journal of Nephrology</i> , 2008, 21, 850-60.   | 2.0  | 7         |
| 86 | Serum erythropoietin concentrations and responses to anaemia in patients with or without chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2007, 22, 2900-2908.  | 0.7  | 105       |
| 87 | Quantitative Assessment of Glomerular Filtration Rate with MR Gadolinium Slope Clearance Measurements: A Phase I Trial. <i>Radiology</i> , 2007, 242, 783-790.  | 7.3  | 43        |
| 88 | Dynamic Magnetic Resonance Nephrography. <i>Investigative Radiology</i> , 2007, 42, 256-262.  | 6.2  | 12        |
| 89 | Impaired intestinal and renal glucose transport in PDK-1 hypomorphic mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R1533-R1538.                                      | 1.8  | 12        |
| 90 | Blunted DOCA/high salt induced albuminuria and renal tubulointerstitial damage in gene-targeted mice lacking SGK1. <i>Journal of Molecular Medicine</i> , 2006, 84, 737-746.  | 3.9  | 49        |