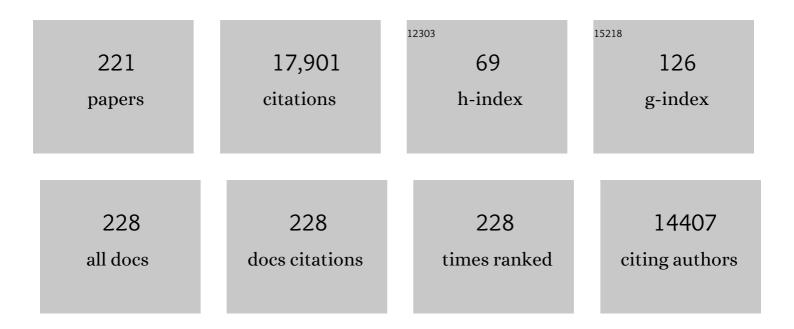
List of Publications by Year in descending order

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MADK A KNEDDED

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Identification and proteomic profiling of exosomes in human urine. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13368-13373.  | 3.3  | 1,875     |
| 2  | Aquaporins in the Kidney: From Molecules to Medicine. Physiological Reviews, 2002, 82, 205-244.  | 13.1 | 1,122     |
| 3  | Aldosterone-mediated regulation of ENaC α, β, and γ subunit proteins in rat kidney. Journal of Clinical<br>Investigation, 1999, 104, R19-R23.  | 3.9  | 660       |
| 4  | Large-Scale Proteomics and Phosphoproteomics of Urinary Exosomes. Journal of the American Society of Nephrology: JASN, 2009, 20, 363-379.  | 3.0  | 634       |
| 5  | Deep Sequencing in Microdissected Renal Tubules Identifies Nephron Segment–Specific<br>Transcriptomes. Journal of the American Society of Nephrology: JASN, 2015, 26, 2669-2677.   | 3.0  | 455       |
| 6  | Defective proximal tubular fluid reabsorption in transgenic aquaporin-1 null mice. Proceedings of the<br>National Academy of Sciences of the United States of America, 1998, 95, 9660-9664.  | 3.3  | 424       |
| 7  | Discovery of Urinary Biomarkers. Molecular and Cellular Proteomics, 2006, 5, 1760-1771.  | 2.5  | 351       |
| 8  | Quantitative phosphoproteomics of vasopressin-sensitive renal cells: Regulation of aquaporin-2<br>phosphorylation at two sites. Proceedings of the National Academy of Sciences of the United States<br>of America, 2006, 103, 7159-7164.        | 3.3  | 331       |
| 9  | Urinary concentrating defect in mice with selective deletion of phloretin-sensitive urea transporters<br>in the renal collecting duct. Proceedings of the National Academy of Sciences of the United States of<br>America, 2004, 101, 7469-7474. | 3.3  | 230       |
| 10 | Vasopressin-stimulated Increase in Phosphorylation at Ser269 Potentiates Plasma Membrane Retention of Aquaporin-2. Journal of Biological Chemistry, 2008, 283, 24617-24627.  | 1.6  | 222       |
| 11 | Molecular Physiology of Water Balance. New England Journal of Medicine, 2015, 372, 1349-1358.  | 13.9 | 210       |
| 12 | Vasopressin-mediated regulation of epithelial sodium channel abundance in rat kidney. American<br>Journal of Physiology - Renal Physiology, 2000, 279, F46-F53.  | 1.3  | 203       |
| 13 | Regulation of Aquaporin-2 Trafficking by Vasopressin in the Renal Collecting Duct. Journal of<br>Biological Chemistry, 2000, 275, 36839-36846.   | 1.6  | 202       |
| 14 | Transcriptomes of major renal collecting duct cell types in mouse identified by single-cell RNA-seq.<br>Proceedings of the National Academy of Sciences of the United States of America, 2017, 114,<br>E9989-E9998.                              | 3.3  | 198       |
| 15 | Reduced water permeability and altered ultrastructure in thin descending limb of Henle in aquaporin-1 null mice. Journal of Clinical Investigation, 1999, 103, 491-496.  | 3.9  | 195       |
| 16 | Quantitative analysis of renal medullary anatomy in rats and rabbits. Kidney International, 1977, 12, 313-323.   | 2.6  | 192       |
| 17 | Exosomes and the kidney: prospects for diagnosis and therapy of renal diseases. Kidney International, 2011, 80, 1138-1145.   | 2.6  | 182       |
| 18 | Urinary extracellular vesicles: A position paper by the Urine Task Force of the International Society for Extracellular Vesicles, Journal of Extracellular Vesicles, 2021, 10, e12093.   | 5.5  | 182       |

| #  | Article  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Vasopressin increases Na-K-2Cl cotransporter expression in thick ascending limb of Henle's loop.<br>American Journal of Physiology - Renal Physiology, 1999, 276, F96-F103.  | 1.3  | 173       |
| 20 | Mouse Models and the Urinary Concentrating Mechanism in the New Millennium. Physiological Reviews, 2007, 87, 1083-1112.  | 13.1 | 171       |
| 21 | Prospects for urinary proteomics: Exosomes as a source of urinary biomarkers (Review Article).<br>Nephrology, 2005, 10, 283-290.   | 0.7  | 168       |
| 22 | lmmunocytochemical and immunoelectron microscopic localization of α-, β-, and γ-ENaC in rat kidney.<br>American Journal of Physiology - Renal Physiology, 2001, 280, F1093-F1106.  | 1.3  | 161       |
| 23 | Quantitative phosphoproteomic analysis reveals vasopressin V2-receptor–dependent signaling pathways in renal collecting duct cells. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 3882-3887. | 3.3  | 155       |
| 24 | Large Scale Protein Identification in Intracellular Aquaporin-2 Vesicles from Renal Inner Medullary<br>Collecting Duct. Molecular and Cellular Proteomics, 2005, 4, 1095-1106.   | 2.5  | 154       |
| 25 | Altered expression of renal AQPs and Na <sup>+</sup> transporters in rats with Lithium-induced NDI.<br>American Journal of Physiology - Renal Physiology, 2000, 279, F552-F564.  | 1.3  | 144       |
| 26 | Regulation of aquaporin-2 water channel trafficking by vasopressin. Current Opinion in Cell Biology,<br>1997, 9, 560-564.  | 2.6  | 142       |
| 27 | Dynamics of aquaporin-2 serine-261 phosphorylation in response to short-term vasopressin treatment<br>in collecting duct. American Journal of Physiology - Renal Physiology, 2007, 292, F691-F700.   | 1.3  | 141       |
| 28 | Renal aquaporins. Kidney International, 1996, 49, 1712-1717.   | 2.6  | 140       |
| 29 | Acute regulation of aquaporin-2 phosphorylation at Ser-264 by vasopressin. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3134-3139.  | 3.3  | 135       |
| 30 | Rosiglitazone Activates Renal Sodium- and Water-Reabsorptive Pathways and Lowers Blood Pressure<br>in Normal Rats. Journal of Pharmacology and Experimental Therapeutics, 2004, 308, 426-433.  | 1.3  | 128       |
| 31 | Human Cortical Distal Nephron. Journal of the American Society of Nephrology: JASN, 2002, 13, 836-847.   | 3.0  | 128       |
| 32 | Serine 269 phosphorylated aquaporin-2 is targeted to the apical membrane of collecting duct principal cells. Kidney International, 2009, 75, 295-303.  | 2.6  | 124       |
| 33 | Systems-level analysis of cell-specific <i>AQP2</i> gene expression in renal collecting duct.<br>Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2441-2446.                                    | 3.3  | 117       |
| 34 | Regulation of the Abundance of Renal Sodium Transporters and Channels by Vasopressin.<br>Experimental Neurology, 2001, 171, 227-234.   | 2.0  | 116       |
| 35 | Downregulation of AQP1, -2, and -3 after ureteral obstruction is associated with a long-term<br>urine-concentrating defect. American Journal of Physiology - Renal Physiology, 2001, 281, F163-F171.                                       | 1.3  | 116       |
| 36 | Renal Phenotype of UT-A Urea Transporter Knockout Mice. Journal of the American Society of<br>Nephrology: JASN, 2005, 16, 1583-1592.   | 3.0  | 112       |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Proteomic analysis of lithium-induced nephrogenic diabetes insipidus: Mechanisms for aquaporin 2 down-regulation and cellular proliferation. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3634-3639.     | 3.3 | 110       |
| 38 | A Comprehensive Map of mRNAs and Their Isoforms across All 14 Renal Tubule Segments of Mouse.<br>Journal of the American Society of Nephrology: JASN, 2021, 32, 897-912.  | 3.0 | 110       |
| 39 | Time course of renal Na-K-ATPase, NHE3, NKCC2, NCC, and ENaC abundance changes with dietary NaCl restriction. American Journal of Physiology - Renal Physiology, 2002, 283, F648-F657.  | 1.3 | 109       |
| 40 | Decreased abundance of major Na <sup>+</sup> transporters in kidneys of rats with ischemia-induced acute renal failure. American Journal of Physiology - Renal Physiology, 2000, 278, F925-F939.  | 1.3 | 108       |
| 41 | The renal thiazide-sensitive Na-Cl cotransporter as mediator of the aldosterone-escape phenomenon.<br>Journal of Clinical Investigation, 2001, 108, 215-222.  | 3.9 | 108       |
| 42 | Concentration of solutes in the renal inner medulla: interstitial hyaluronan as a mechano-osmotic transducer. American Journal of Physiology - Renal Physiology, 2003, 284, F433-F446.  | 1.3 | 107       |
| 43 | Quantitative phosphoproteomic analysis reveals cAMP/vasopressin-dependent signaling pathways in<br>native renal thick ascending limb cells. Proceedings of the National Academy of Sciences of the United<br>States of America, 2010, 107, 15653-15658. | 3.3 | 107       |
| 44 | Concentrating defect in experimental nephrotic syndrome: Altered expression of aquaporins and thick ascending limb Na+ transporters. Kidney International, 1998, 54, 170-179.   | 2.6 | 105       |
| 45 | Ultrastructural localization of Na-K-2Cl cotransporter in thick ascending limb and macula densa of rat kidney. American Journal of Physiology - Renal Physiology, 1998, 275, F885-F893.   | 1.3 | 103       |
| 46 | Proteomics and the Kidney. Journal of the American Society of Nephrology: JASN, 2002, 13, 1398-1408.  | 3.0 | 103       |
| 47 | Vasopressin and the regulation of aquaporin-2. Clinical and Experimental Nephrology, 2013, 17, 751-764.   | 0.7 | 102       |
| 48 | Systems-level identification of PKA-dependent signaling in epithelial cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8875-E8884.   | 3.3 | 100       |
| 49 | Quantitative Proteomics of All 14 Renal Tubule Segments in Rat. Journal of the American Society of Nephrology: JASN, 2020, 31, 1255-1266.   | 3.0 | 99        |
| 50 | A selective EP4 PGE2 receptor agonist alleviates disease in a new mouse model of X-linked nephrogenic diabetes insipidus. Journal of Clinical Investigation, 2009, 119, 3115-3126.  | 3.9 | 99        |
| 51 | Non-muscle Myosin II and Myosin Light Chain Kinase Are Downstream Targets for Vasopressin<br>Signaling in the Renal Collecting Duct. Journal of Biological Chemistry, 2004, 279, 49026-49035.   | 1.6 | 97        |
| 52 | COX-2 inhibition prevents downregulation of key renal water and sodium transport proteins in response to bilateral ureteral obstruction. American Journal of Physiology - Renal Physiology, 2005, 289, F322-F333.                                       | 1.3 | 95        |
| 53 | Profiling of renal tubule Na + transporter abundances in NHE3 and NCC null mice using targeted proteomics. Journal of Physiology, 2001, 530, 359-366.   | 1.3 | 94        |
| 54 | Urea and Renal Function in the 21st Century: Insights from Knockout Mice. Journal of the American<br>Society of Nephrology: JASN, 2007, 18, 679-688.  | 3.0 | 94        |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | Transcriptional profiling of native inner medullary collecting duct cells from rat kidney.<br>Physiological Genomics, 2008, 32, 229-253.  | 1.0 | 93        |
| 56 | Proteome-Wide Measurement of Protein Half-Lives and Translation Rates in Vasopressin-Sensitive Collecting Duct Cells. Journal of the American Society of Nephrology: JASN, 2013, 24, 1793-1805. | 3.0 | 93        |
| 57 | Regulation of Thick Ascending Limb Ion Transporter Abundance in Response to Altered Acid/Base<br>Intake. Journal of the American Society of Nephrology: JASN, 1999, 10, 935-942.                | 3.0 | 93        |
| 58 | Representation and relative abundance of cell-type selective markers in whole-kidney RNA-Seq data.<br>Kidney International, 2019, 95, 787-796.  | 2.6 | 89        |
| 59 | Acute endotoxemia in rats induces down-regulation of V2 vasopressin receptors and aquaporin-2 content in the kidney medulla. Kidney International, 2004, 65, 54-62.                             | 2.6 | 86        |
| 60 | Downregulation of renal aquaporins in response to unilateral ureteral obstruction. American<br>Journal of Physiology - Renal Physiology, 2003, 284, F1066-F1079.                                | 1.3 | 85        |
| 61 | Regulation of Thick Ascending Limb Transport by Vasopressina. Journal of the American Society of<br>Nephrology: JASN, 1999, 10, 628-634.  | 3.0 | 84        |
| 62 | Targeted Proteomic Profiling of Renal Na+Transporter and Channel Abundances in Angiotensin II Type<br>1a Receptor Knockout Mice. Hypertension, 2002, 39, 470-473.                               | 1.3 | 79        |
| 63 | Renal-Tubule Epithelial Cell Nomenclature for Single-Cell RNA-Sequencing Studies. Journal of the<br>American Society of Nephrology: JASN, 2019, 30, 1358-1364.                                  | 3.0 | 79        |
| 64 | Sodium transporter abundance profiling in kidney: effect of spironolactone. American Journal of<br>Physiology - Renal Physiology, 2002, 283, F923-F933.   | 1.3 | 77        |
| 65 | Detection of Na+ Transporter Proteins in Urine. Journal of the American Society of Nephrology: JASN, 2000, 11, 2128-2132.   | 3.0 | 76        |
| 66 | Dysregulation of renal aquaporins and Na-Cl cotransporter in CCl4-induced cirrhosis. Kidney<br>International, 2000, 58, 216-228.  | 2.6 | 75        |
| 67 | Comprehensive database of human E3 ubiquitin ligases: application to aquaporin-2 regulation.<br>Physiological Genomics, 2016, 48, 502-512.  | 1.0 | 75        |
| 68 | High-throughput identification of IMCD proteins using LC-MS/MS. Physiological Genomics, 2006, 25, 263-276.  | 1.0 | 74        |
| 69 | Activation of epithelial Na channels during short-term Na deprivation. American Journal of<br>Physiology - Renal Physiology, 2001, 280, F112-F118.  | 1.3 | 72        |
| 70 | Akt and ERK1/2 pathways are components of the vasopressin signaling network in rat native IMCD.<br>American Journal of Physiology - Renal Physiology, 2008, 295, F1030-F1043.                   | 1.3 | 71        |
| 71 | cDNA array identification of genes regulated in rat renal medulla in response to vasopressin infusion.<br>American Journal of Physiology - Renal Physiology, 2003, 284, F218-F228.              | 1.3 | 70        |
| 72 | Dynamics of the G Protein-coupled Vasopressin V2 Receptor Signaling Network Revealed by<br>Quantitative Phosphoproteomics. Molecular and Cellular Proteomics, 2012, 11, M111.014613.            | 2.5 | 70        |

| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | Impaired aquaporin and urea transporter expression in rats with adriamycin-induced nephrotic syndrome11See Editorial by Berl, p 1418. Kidney International, 1998, 53, 1244-1253.  | 2.6 | 67        |
| 74 | Calmodulin Is Required for Vasopressin-stimulated Increase in Cyclic AMP Production in Inner<br>Medullary Collecting Duct. Journal of Biological Chemistry, 2005, 280, 13624-13630.   | 1.6 | 67        |
| 75 | LC-MS/MS Analysis of Apical and Basolateral Plasma Membranes of Rat Renal Collecting Duct Cells.<br>Molecular and Cellular Proteomics, 2006, 5, 2131-2145.  | 2.5 | 67        |
| 76 | Targeted Single-Cell RNA-seq Identifies Minority Cell Types of Kidney Distal Nephron. Journal of the American Society of Nephrology: JASN, 2021, 32, 886-896.   | 3.0 | 67        |
| 77 | Role of multiple phosphorylation sites in the COOH-terminal tail of aquaporin-2 for water transport:<br>evidence against channel gating. American Journal of Physiology - Renal Physiology, 2009, 296,<br>F649-F657.            | 1.3 | 66        |
| 78 | Reduced AQP1, -2, and -3 levels in kidneys of rats with CRF induced by surgical reduction in renal mass.<br>American Journal of Physiology - Renal Physiology, 1998, 275, F724-F741.  | 1.3 | 65        |
| 79 | Regulation of collecting duct AQP3 expression: response to mineralocorticoid. American Journal of<br>Physiology - Renal Physiology, 2002, 283, F1403-F1421.   | 1.3 | 65        |
| 80 | Angiotensin II mediates downregulation of aquaporin water channels and key renal sodium<br>transporters in response to urinary tract obstruction. American Journal of Physiology - Renal<br>Physiology, 2006, 291, F1021-F1032. | 1.3 | 65        |
| 81 | Increased Abundance of Distal Sodium Transporters in Rat Kidney during Vasopressin Escape. Journal of the American Society of Nephrology: JASN, 2001, 12, 207-217.  | 3.0 | 60        |
| 82 | An Automated Platform for Analysis of Phosphoproteomic Datasets:Â Application to Kidney Collecting<br>Duct Phosphoproteins. Journal of Proteome Research, 2007, 6, 3501-3508.   | 1.8 | 58        |
| 83 | Urinary exosomes: is there a future?. Nephrology Dialysis Transplantation, 2008, 23, 1799-1801.   | 0.4 | 58        |
| 84 | Identifying protein kinase target preferences using mass spectrometry. American Journal of Physiology<br>- Cell Physiology, 2012, 303, C715-C727.   | 2.1 | 58        |
| 85 | Quantitative apical membrane proteomics reveals vasopressin-induced actin dynamics in collecting<br>duct cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110,<br>17119-17124.     | 3.3 | 58        |
| 86 | Vasopressin V <sub>2</sub> -receptor-dependent regulation of AQP2 expression in Brattleboro rats.<br>American Journal of Physiology - Renal Physiology, 2000, 279, F370-F382.   | 1.3 | 56        |
| 87 | Localization of epithelial sodium channel and aquaporin-2 in rabbit kidney cortex. American Journal of<br>Physiology - Renal Physiology, 2000, 278, F530-F539.  | 1.3 | 55        |
| 88 | Increased renal ENaC subunit and sodium transporter abundances in streptozotocin-induced type 1<br>diabetes. American Journal of Physiology - Renal Physiology, 2003, 285, F1125-F1137.   | 1.3 | 55        |
| 89 | Effects of dietary fat, NaCl, and fructose on renal sodium and water transporter abundances and systemic blood pressure. American Journal of Physiology - Renal Physiology, 2004, 287, F1204-F1212.                             | 1.3 | 55        |
| 90 | Phosphoproteomic Profiling Reveals Vasopressin-Regulated Phosphorylation Sites in Collecting Duct.<br>Journal of the American Society of Nephrology: JASN, 2010, 21, 303-315.   | 3.0 | 54        |

| #   | Article   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 91  | Reduced expression of Na-K-2Cl cotransporter in medullary TAL in vitamin D-induced hypercalcemia in rats. American Journal of Physiology - Renal Physiology, 2002, 282, F34-F44.                              | 1.3 | 53        |
| 92  | Application of systems biology principles to protein biomarker discovery: Urinary exosomal proteome in renal transplantation. Proteomics - Clinical Applications, 2012, 6, 268-278.                           | 0.8 | 52        |
| 93  | Proteomic analysis of long-term vasopressin action in the inner medullary collecting duct of the<br>Brattleboro rat. American Journal of Physiology - Renal Physiology, 2004, 286, F216-F224.                 | 1.3 | 51        |
| 94  | Quantitative analysis of aquaporin-2 phosphorylation. American Journal of Physiology - Renal<br>Physiology, 2010, 298, F1018-F1023.   | 1.3 | 51        |
| 95  | Quantitative Protein and mRNA Profiling Shows Selective Post-Transcriptional Control of Protein<br>Expression by Vasopressin in Kidney Cells. Molecular and Cellular Proteomics, 2011, 10, M110.004036.       | 2.5 | 51        |
| 96  | Aquaporinâ $€$ 2 regulation in health and disease. Veterinary Clinical Pathology, 2012, 41, 455-470.  | 0.3 | 51        |
| 97  | Renal Expression of Aquaporins in Liver Cirrhosis Induced by Chronic Common Bile Duct Ligation in Rats. Journal of the American Society of Nephrology: JASN, 1999, 10, 1950-1957.                             | 3.0 | 51        |
| 98  | AQP3, p-AQP2, and AQP2 expression is reduced in polyuric rats with hypercalcemia: prevention by cAMP-PDE inhibitors. American Journal of Physiology - Renal Physiology, 2002, 283, F1313-F1325.               | 1.3 | 50        |
| 99  | Regulation of NHE3, NKCC2, and NCC abundance in kidney during aldosterone escape phenomenon: role of NO. American Journal of Physiology - Renal Physiology, 2003, 285, F843-F851.                             | 1.3 | 50        |
| 100 | Quantitative Proteomics Identifies Vasopressin-Responsive Nuclear Proteins in Collecting Duct Cells.<br>Journal of the American Society of Nephrology: JASN, 2012, 23, 1008-1018.                             | 3.0 | 50        |
| 101 | Altered expression of Na transporters NHE-3, NaPi-II, Na-K-ATPase, BSC-1, and TSC in CRF rat kidneys.<br>American Journal of Physiology - Renal Physiology, 1999, 277, F257-F270.                             | 1.3 | 49        |
| 102 | Deubiquitylation of Protein Cargo Is Not an Essential Step in Exosome Formation. Molecular and Cellular Proteomics, 2016, 15, 1556-1571.  | 2.5 | 49        |
| 103 | Treating lithium-induced nephrogenic diabetes insipidus with a COX-2 inhibitor improves polyuria via upregulation of AQP2 and NKCC2. American Journal of Physiology - Renal Physiology, 2008, 294, F702-F709. | 1.3 | 48        |
| 104 | Measurement of osmolality in kidney slices using vapor pressure osmometry. Kidney International, 1982, 21, 653-655.   | 2.6 | 47        |
| 105 | Dehydration reverses vasopressin antagonist-induced diuresis and aquaporin-2 downregulation in rats. American Journal of Physiology - Renal Physiology, 1998, 275, F400-F409.                                 | 1.3 | 47        |
| 106 | Regulation of the sodium transporters NHE3, NKCC2 and NCC in the kidney. Current Opinion in Nephrology and Hypertension, 2001, 10, 655-659.   | 1.0 | 47        |
| 107 | Role of aquaporins in water balance disorders. Current Opinion in Nephrology and Hypertension, 1997, 6, 367-371.  | 1.0 | 46        |
| 108 | SNAP-23 in rat kidney: colocalization with aquaporin-2 in collecting duct vesicles. American Journal of Physiology - Renal Physiology, 1998, 275, F752-F760.  | 1.3 | 46        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 109 | Combined Proteomics and Pathways Analysis of Collecting Duct Reveals a Protein Regulatory<br>Network Activated in Vasopressin Escape. Journal of the American Society of Nephrology: JASN, 2005,<br>16, 2852-2863. | 3.0 | 45        |
| 110 | Vasopressin regulates apical targeting of aquaporin-2 but not of UT1 urea transporter in renal collecting duct. American Journal of Physiology - Renal Physiology, 1999, 276, F559-F566.                           | 1.3 | 44        |
| 111 | Early targets of lithium in rat kidney inner medullary collecting duct include p38 and ERK1/2. Kidney<br>International, 2014, 86, 757-767.   | 2.6 | 44        |
| 112 | Effects of dietary protein restriction and glucocorticoid administration on urea excretion in rats.<br>Kidney International, 1975, 8, 303-315.   | 2.6 | 43        |
| 113 | Proteomic profiling of nuclei from native renal inner medullary collecting duct cells using LC-MS/MS. Physiological Genomics, 2010, 40, 167-183.   | 1.0 | 43        |
| 114 | Does SARS-CoV-2 Infect the Kidney?. Journal of the American Society of Nephrology: JASN, 2020, 31, 2746-2748.  | 3.0 | 43        |
| 115 | Taking aim at shotgun phosphoproteomics. Analytical Biochemistry, 2008, 375, 1-10.   | 1.1 | 42        |
| 116 | Common Sense Approaches to Urinary Biomarker Study Design. Journal of the American Society of<br>Nephrology: JASN, 2009, 20, 1175-1178.  | 3.0 | 41        |
| 117 | Effect of primary polydipsia on aquaporin and sodium transporter abundance. American Journal of<br>Physiology - Renal Physiology, 2003, 285, F965-F971.  | 1.3 | 40        |
| 118 | Gamble's "economy of water―revisited: studies in urea transporter knockout mice. American Journal<br>of Physiology - Renal Physiology, 2006, 291, F148-F154.   | 1.3 | 40        |
| 119 | Use of LC-MS/MS and Bayes' theorem to identify protein kinases that phosphorylate aquaporin-2 at<br>Ser <sup>256</sup> . American Journal of Physiology - Cell Physiology, 2014, 307, C123-C139.                   | 2.1 | 40        |
| 120 | Escape from vasopressin-induced antidiuresis: role of vasopressin resistance of the collecting duct.<br>American Journal of Physiology - Renal Physiology, 1998, 274, F1161-F1166.                                 | 1.3 | 39        |
| 121 | Increased expression of ENaC subunits and increased apical targeting of AQP2 in the kidneys of spontaneously hypertensive rats. American Journal of Physiology - Renal Physiology, 2005, 289, F957-F968.           | 1.3 | 39        |
| 122 | Phosphoinositide signaling in rat inner medullary collecting duct. American Journal of Physiology -<br>Renal Physiology, 1998, 274, F564-F572.   | 1.3 | 37        |
| 123 | Application of difference gel electrophoresis to the identification of inner medullary collecting duct proteins. American Journal of Physiology - Renal Physiology, 2004, 286, F170-F179.                          | 1.3 | 37        |
| 124 | Large-scale phosphoproteomic analysis of membrane proteins in renal proximal and distal tubule.<br>American Journal of Physiology - Cell Physiology, 2011, 300, C755-C770.   | 2.1 | 37        |
| 125 | Automated Quantification Tool for High-Throughput Proteomics Using Stable Isotope Labeling and LCâ^'MSn. Analytical Chemistry, 2006, 78, 5752-5761.  | 3.2 | 35        |
| 126 | Systems-level analysis reveals selective regulation of Aqp2 gene expression by vasopressin. Scientific Reports, 2016, 6, 34863.  | 1.6 | 35        |

| #   | Article  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 127 | Transcriptomes of Major Proximal Tubule Cell Culture Models. Journal of the American Society of Nephrology: JASN, 2021, 32, 86-97.   | 3.0 | 35        |
| 128 | COX-2 activity transiently contributes to increased water and NaCl excretion in the polyuric phase after release of ureteral obstruction. American Journal of Physiology - Renal Physiology, 2007, 292, F1322-F1333.                 | 1.3 | 34        |
| 129 | Dynamic regulation of lysine acetylation: the balance between acetyltransferase and deacetylase activities. American Journal of Physiology - Renal Physiology, 2017, 313, F842-F846.   | 1.3 | 34        |
| 130 | Renal Tubule Sodium Transporter Abundance Profiling in Rat Kidney. Annals of the New York Academy of Sciences, 2003, 986, 562-569.   | 1.8 | 33        |
| 131 | LC-MS/MS analysis of differential centrifugation fractions from native inner medullary collecting duct of rat. American Journal of Physiology - Renal Physiology, 2008, 295, F1799-F1806.  | 1.3 | 33        |
| 132 | NHLBI- <i>AbDesigner</i> : an online tool for design of peptide-directed antibodies. American Journal of<br>Physiology - Cell Physiology, 2012, 302, C154-C164.  | 2.1 | 33        |
| 133 | Regulation of AQP6 mRNA and protein expression in rats in response to altered acid-base or water balance. American Journal of Physiology - Renal Physiology, 2000, 279, F1014-F1026.   | 1.3 | 32        |
| 134 | Deep proteomic profiling of vasopressin-sensitive collecting duct cells. II. Bioinformatic analysis of vasopressin signaling. American Journal of Physiology - Cell Physiology, 2015, 309, C799-C812.                                | 2.1 | 32        |
| 135 | STRUCTURAL BIOLOGY: The Atomic Architecture of a Gas Channel. Science, 2004, 305, 1573-1574.   | 6.0 | 31        |
| 136 | Pathophysiology of Aquaporin-2 in Water Balance Disorders. American Journal of the Medical<br>Sciences, 1998, 316, 291-299.  | 0.4 | 30        |
| 137 | Sodium retention in cirrhotic rats is associated with increased renal abundance of sodium transporter proteins. Kidney International, 2005, 67, 622-630.   | 2.6 | 29        |
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