

Mark A Knepper

List of Publications by Year in descending order

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221
papers

17,901
citations

12303

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228
docs citations

228
times ranked

14407
citing authors

#	ARTICLE	IF	CITATIONS
1	Systems Biology of the Vasopressin V2 Receptor: New Tools for Discovery of Molecular Actions of a GPCR. <i>Annual Review of Pharmacology and Toxicology</i> , 2022, 62, 595-616.	4.2	5
2	â€œADPKD-omicsâ€ determinants of cyclic AMP levels in renal epithelial cells. <i>Kidney International</i> , 2022, 101, 47-62.	2.6	5
3	Fortyâ€five Vasopressinâ€Regulated Phosphoproteins Involved in Control of Collecting Duct Water Transport. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
4	Bayesian analysis of dynamic phosphoproteomic data identifies protein kinases mediating GPCR responses. <i>Cell Communication and Signaling</i> , 2022, 20, .	2.7	7
5	Maurice B. Burg (1931â€2022), discoverer of kidney transport mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	0
6	Phosphoproteomic Identification of Vasopressin/cAMP/Protein Kinase Aâ€Dependent Signaling in Kidney. <i>Molecular Pharmacology</i> , 2021, 99, 358-369.	1.0	15
7	Transcriptomes of Major Proximal Tubule Cell Culture Models. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 86-97.	3.0	35
8	Phosphoproteomic identification of vasopressinâ€regulated protein kinases in collecting duct cells. <i>British Journal of Pharmacology</i> , 2021, 178, 1426-1444.	2.7	15
9	A Comprehensive Map of mRNAs and Their Isoforms across All 14 Renal Tubule Segments of Mouse. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 897-912.	3.0	110
10	Targeted Single-Cell RNA-seq Identifies Minority Cell Types of Kidney Distal Nephron. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 886-896.	3.0	67
11	Urinary extracellular vesicles: A position paper by the Urine Task Force of the International Society for Extracellular Vesicles. <i>Journal of Extracellular Vesicles</i> , 2021, 10, e12093.	5.5	182
12	GPCRâ€omics of the Nephron: Mapping Receptors Along the Renal Tubule. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
13	Landscape of GPCR expression along the mouse nephron. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, F50-F68.	1.3	11
14	â€œSLC-omicsâ€ of the kidney: solute transporters along the nephron. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C507-C518.	2.1	22
15	Bayesian identification of candidate transcription factors for the regulation of <i>Aqp2</i> gene expression. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, F389-F401.	1.3	12
16	CRISPR-Cas9/phosphoproteomics identifies multiple noncanonical targets of myosin light chain kinase. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, F600-F616.	1.3	21
17	Does SARS-CoV-2 Infect the Kidney?. <i>Journal of the American Society of Nephrology: JASN</i> , 2020, 31, 2746-2748.	3.0	43
18	Protein kinase A catalytic-Î± and catalytic-Î² proteins have nonredundant regulatory functions. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, F848-F862.	1.3	12

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19	NGS-Integrator: An efficient tool for combining multiple NGS data tracks using minimum Bayesâ€™ factors. BMC Genomics, 2020, 21, 806.	1.2	3
20	An integrative proteogenomics approach reveals peptides encoded by annotated lincRNA in the mouse kidney inner medulla. Physiological Genomics, 2020, 52, 485-491.	1.0	6
21	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
22	PKA-independent vasopressin signaling in renal collecting duct. FASEB Journal, 2020, 34, 6129-6146.	0.2	24
23	PTM-Logo: a program for generation of sequence logos based on position-specific background amino-acid probabilities. Bioinformatics, 2019, 35, 5313-5314.	1.8	11
24	Phosphoproteomic identification of vasopressin V2 receptor-dependent signaling in the renal collecting duct. American Journal of Physiology - Renal Physiology, 2019, 317, F789-F804.	1.3	22
25	Renal-Tubule Epithelial Cell Nomenclature for Single-Cell RNA-Sequencing Studies. Journal of the American Society of Nephrology: JASN, 2019, 30, 1358-1364.	3.0	79
26	Sickle cell disease up-regulates vasopressin, aquaporin 2, urea transporter A1, Na-Cl cotransporter 2, and epithelial Na channels in the mouse kidney medulla despite compromising urinary concentration ability. Physiological Reports, 2019, 7, e14066.	0.7	6
27	RNA-Seq and protein mass spectrometry in microdissected kidney tubules reveal signaling processes initiating lithium-induced nephrogenic diabetes insipidus. Kidney International, 2019, 96, 363-377.	2.6	27
28	Representation and relative abundance of cell-type selective markers in whole-kidney RNA-Seq data. Kidney International, 2019, 95, 787-796.	2.6	89
29	Phosphorylation Changes in Response to Kinase Inhibitor H89 in PKA-Null Cells. Scientific Reports, 2019, 9, 2814.	1.6	24
30	Prioritizing Functional Goals as We Rebuild the Kidney. Journal of the American Society of Nephrology: JASN, 2019, 30, 2287-2288.	3.0	5
31	AbDesigner3D: a structure-guided tool for peptide-based antibody production. Bioinformatics, 2018, 34, 2158-2160.	1.8	3
32	Single-tubule RNA-Seq uncovers signaling mechanisms that defend against hyponatremia in SIADH. Kidney International, 2018, 93, 128-146.	2.6	23
33	Reply to Edemir: Physiological regulation and single-cell RNA sequencing. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E351-E352.	3.3	1
34	Genome-Wide Mapping of DNA Accessibility and Binding Sites for CREB and C/EBPÎ² in Vasopressin-Sensitive Collecting Duct Cells. Journal of the American Society of Nephrology: JASN, 2018, 29, 1490-1500.	3.0	29
35	Identification of UT-A1- and AQP2-interacting proteins in rat inner medullary collecting duct. American Journal of Physiology - Cell Physiology, 2018, 314, C99-C117.	2.1	15
36	Sequence-based searching of custom proteome and transcriptome databases. Physiological Reports, 2018, 6, e13846.	0.7	0

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37	Modulation of Cl ⁻ signaling and ion transport by recruitment of kinases and phosphatases mediated by the regulatory protein IRBIT. <i>Science Signaling</i> , 2018, 11, .	1.6	16
38	From Molecules to Mechanisms: Functional Proteomics and Its Application to Renal Tubule Physiology. <i>Physiological Reviews</i> , 2018, 98, 2571-2606.	13.1	27
39	Proteomic determination of the lysine acetylome and phosphoproteome in the rat native inner medullary collecting duct. <i>Physiological Genomics</i> , 2018, 50, 669-679.	1.0	8
40	Protein Mass Spectrometry Made Simple. <i>Journal of the American Society of Nephrology: JASN</i> , 2018, 29, 1585-1587.	3.0	2
41	Flow resistance along the rat renal tubule. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, F1398-F1405.	1.3	18
42	Proteomic Determination of the Rat Native Inner Medullary Collecting Duct Lysine Acetylome and Phosphoproteome. <i>FASEB Journal</i> , 2018, 32, 850.3.	0.2	0
43	Roflumilast and aquaporin-2 regulation in rat renal inner medullary collecting duct. <i>Physiological Reports</i> , 2017, 5, e13121.	0.7	3
44	Serine/threonine phosphatases and aquaporin-2 regulation in renal collecting duct. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F84-F95.	1.3	9
45	From 20th century metabolic wall charts to 21st century systems biology: database of mammalian metabolic enzymes. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F533-F542.	1.3	21
46	Vasopressin-induced serine 269 phosphorylation reduces Sipal11 (signal-induced) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (proliferation) 2017, 292, 7984-7993.	1.6	23
47	Data integration in physiology using Bayes' rule and minimum Bayes' factors: deubiquitylating enzymes in the renal collecting duct. <i>Physiological Genomics</i> , 2017, 49, 151-159.	1.0	9
48	Identification of β -catenin-interacting proteins in nuclear fractions of native rat collecting duct cells. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F30-F46.	1.3	13
49	Transcriptomes of major renal collecting duct cell types in mouse identified by single-cell RNA-seq. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E9989-E9998.	3.3	198
50	Systems-level identification of PKA-dependent signaling in epithelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8875-E8884.	3.3	100
51	Dynamic regulation of lysine acetylation: the balance between acetyltransferase and deacetylase activities. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, F842-F846.	1.3	34
52	Expression and functional implications of the renal apelinergic system in rodents. <i>PLoS ONE</i> , 2017, 12, e0183094.	1.1	17
53	Comprehensive database of human E3 ubiquitin ligases: application to aquaporin-2 regulation. <i>Physiological Genomics</i> , 2016, 48, 502-512.	1.0	75
54	Proteomic profiling of nuclear fractions from native renal inner medullary collecting duct cells. <i>Physiological Genomics</i> , 2016, 48, 154-166.	1.0	13

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55	Systems-level analysis reveals selective regulation of Aqp2 gene expression by vasopressin. <i>Scientific Reports</i> , 2016, 6, 34863.	1.6	35
56	BIG: a large-scale data integration tool for renal physiology. <i>American Journal of Physiology - Renal Physiology</i> , 2016, 311, F787-F792.	1.3	20
57	Deubiquitylation of Protein Cargo Is Not an Essential Step in Exosome Formation. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1556-1571.	2.5	49
58	Peptide Labeling Using Isobaric Tagging Reagents for Quantitative Phosphoproteomics. <i>Methods in Molecular Biology</i> , 2016, 1355, 53-70.	0.4	10
59	Deep proteomic profiling of vasopressin-sensitive collecting duct cells. I. Virtual Western blots and molecular weight distributions. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 309, C785-C798.	2.1	27
60	Deep Sequencing in Microdissected Renal Tubules Identifies Nephron Segment-Specific Transcriptomes. <i>Journal of the American Society of Nephrology: JASN</i> , 2015, 26, 2669-2677.	3.0	455
61	Deep proteomic profiling of vasopressin-sensitive collecting duct cells. II. Bioinformatic analysis of vasopressin signaling. <i>American Journal of Physiology - Cell Physiology</i> , 2015, 309, C799-C812.	2.1	32
62	Systems biology of diuretic resistance. <i>Journal of Clinical Investigation</i> , 2015, 125, 1793-1795.	3.9	13
63	Molecular Physiology of Water Balance. <i>New England Journal of Medicine</i> , 2015, 372, 1349-1358.	13.9	210
64	Activation of EP3 receptors suppresses COX-2 in thick ascending limb (TAL) and inhibits water excretion. <i>FASEB Journal</i> , 2015, 29, 809.21.	0.2	0
65	Integrated Design of Antibodies for Systems Biology Using Ab Designer. <i>Journal of Proteomics and Bioinformatics</i> , 2014, 07, 088-94.	0.4	2
66	Early targets of lithium in rat kidney inner medullary collecting duct include p38 and ERK1/2. <i>Kidney International</i> , 2014, 86, 757-767.	2.6	44
67	Use of LC-MS/MS and Bayes' theorem to identify protein kinases that phosphorylate aquaporin-2 at Ser²⁵⁶. <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C123-C139.	2.1	40
68	Letter to the editor: "Systems biology versus reductionism in cell physiology". <i>American Journal of Physiology - Cell Physiology</i> , 2014, 307, C308-C309.	2.1	1
69	Tolvaptan as a tool in renal physiology. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F359-F366.	1.3	24
70	Global analysis of the effects of the V2 receptor antagonist satavaptan on protein phosphorylation in collecting duct. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, 410-421.	1.3	13
71	Proteomic pearl diving versus systems biology in cell physiology. Focus on "Proteomic mapping of proteins released during necrosis and apoptosis from cultured neonatal cardiac myocytes". <i>American Journal of Physiology - Cell Physiology</i> , 2014, 306, C634-C635.	2.1	3
72	Four-dimensional MRI of renal function in the developing mouse. <i>NMR in Biomedicine</i> , 2014, 27, 1094-1102.	1.6	5

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73	A knowledge base of vasopressin actions in the kidney. American Journal of Physiology - Renal Physiology, 2014, 307, F747-F755.	1.3	10
74	Exploiting thread-level and instruction-level parallelism to cluster mass spectrometry data using multicore architectures. Network Modeling Analysis in Health Informatics and Bioinformatics, 2014, 3, 54.	1.2	1
75	Database of osmoregulated proteins in mammalian cells. Physiological Reports, 2014, 2, e12180.	0.7	12
76	Quantitative apical membrane proteomics reveals vasopressin-induced actin dynamics in collecting duct cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17119-17124.	3.3	58
77	Vasopressin and the regulation of aquaporin-2. Clinical and Experimental Nephrology, 2013, 17, 751-764.	0.7	102
78	Vasopressin inhibits apoptosis in renal collecting duct cells. American Journal of Physiology - Renal Physiology, 2013, 304, F177-F188.	1.3	29
79	Urea channel inhibitors: a new functional class of aquaretics. Kidney International, 2013, 83, 991-993.	2.6	21
80	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
81	Endogenous Carbamylation of Renal Medullary Proteins. PLoS ONE, 2013, 8, e82655.	1.1	13
82	Identifying protein kinase target preferences using mass spectrometry. American Journal of Physiology - Cell Physiology, 2012, 303, C715-C727.	2.1	58
83	An online tool for calculation of free-energy balance for the renal inner medulla. American Journal of Physiology - Renal Physiology, 2012, 303, F366-F372.	1.3	3
84	Quantitative phosphoproteomics in nuclei of vasopressin-sensitive renal collecting duct cells. American Journal of Physiology - Cell Physiology, 2012, 303, C1006-C1020.	2.1	26
85	Large-scale phosphotyrosine proteomic profiling of rat renal collecting duct epithelium reveals predominance of proteins involved in cell polarity determination. American Journal of Physiology - Cell Physiology, 2012, 302, C27-C45.	2.1	11
86	Gene expression databases for kidney epithelial cells. American Journal of Physiology - Renal Physiology, 2012, 302, F401-F407.	1.3	27
87	NHLBI-AbDesigner: an online tool for design of peptide-directed antibodies. American Journal of Physiology - Cell Physiology, 2012, 302, C154-C164.	2.1	33
88	An efficient dynamic programming algorithm for phosphorylation site assignment of large-scale mass spectrometry data. , 2012, , 618-625.		13
89	Dynamics of the G Protein-coupled Vasopressin V2 Receptor Signaling Network Revealed by Quantitative Phosphoproteomics. Molecular and Cellular Proteomics, 2012, 11, M111.014613.	2.5	70
90	Systems biology in physiology: the vasopressin signaling network in kidney. American Journal of Physiology - Cell Physiology, 2012, 303, C1115-C1124.	2.1	26

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91	Aquaporin-2 regulation in health and disease. <i>Veterinary Clinical Pathology</i> , 2012, 41, 455-470.	0.3	51
92	Quantitative Proteomics Identifies Vasopressin-Responsive Nuclear Proteins in Collecting Duct Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 1008-1018.	3.0	50
93	Application of systems biology principles to protein biomarker discovery: Urinary exosomal proteome in renal transplantation. <i>Proteomics - Clinical Applications</i> , 2012, 6, 268-278.	0.8	52
94	Identification of proteins regulated by 24-hour aldosterone treatment in late distal convoluted tubules, connecting tubules and initial cortical collecting ducts. <i>FASEB Journal</i> , 2012, 26, 885.9.	0.2	0
95	Exosomes and the kidney: prospects for diagnosis and therapy of renal diseases. <i>Kidney International</i> , 2011, 80, 1138-1145.	2.6	182
96	Quantitative Protein and mRNA Profiling Shows Selective Post-Transcriptional Control of Protein Expression by Vasopressin in Kidney Cells. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.004036.	2.5	51
97	Phosphoproteomics of vasopressin signaling in the kidney. <i>Expert Review of Proteomics</i> , 2011, 8, 157-163.	1.3	18
98	Large-scale phosphoproteomic analysis of membrane proteins in renal proximal and distal tubule. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C755-C770.	2.1	37
99	Mapping-based temporal pattern mining algorithm (MTPMA) identifies unique clusters of phosphopeptides regulated by vasopressin in collecting duct. <i>FASEB Journal</i> , 2011, 25, 921.4.	0.2	0
100	Proteomic profiling of nuclei from native renal inner medullary collecting duct cells using LC-MS/MS. <i>Physiological Genomics</i> , 2010, 40, 167-183.	1.0	43
101	Phosphoproteomic Profiling Reveals Vasopressin-Regulated Phosphorylation Sites in Collecting Duct. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 303-315.	3.0	54
102	Quantitative analysis of aquaporin-2 phosphorylation. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, F1018-F1023.	1.3	51
103	Quantitative phosphoproteomic analysis reveals cAMP/vasopressin-dependent signaling pathways in native renal thick ascending limb cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15653-15658.	3.3	107
104	Quantitative phosphoproteomic analysis reveals vasopressin V2-receptor-dependent signaling pathways in renal collecting duct cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 3882-3887.	3.3	155
105	Vasopressin increases phosphorylation of Ser84 and Ser486 in Slc14a2 collecting duct urea transporters. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 299, F559-F567.	1.3	28
106	Serine 269 phosphorylated aquaporin-2 is targeted to the apical membrane of collecting duct principal cells. <i>Kidney International</i> , 2009, 75, 295-303.	2.6	124
107	Role of multiple phosphorylation sites in the COOH-terminal tail of aquaporin-2 for water transport: evidence against channel gating. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, F649-F657.	1.3	66
108	Common Sense Approaches to Urinary Biomarker Study Design. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 1175-1178.	3.0	41

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109	Molecular coin slots for urea. <i>Nature</i> , 2009, 462, 733-734.	13.7	16
110	Systems-level analysis of cell-specific <i>AQP2</i> gene expression in renal collecting duct. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 2441-2446.	3.3	117
111	Large-Scale Proteomics and Phosphoproteomics of Urinary Exosomes. <i>Journal of the American Society of Nephrology: JASN</i> , 2009, 20, 363-379.	3.0	634
112	A selective EP4 PGE2 receptor agonist alleviates disease in a new mouse model of X-linked nephrogenic diabetes insipidus. <i>Journal of Clinical Investigation</i> , 2009, 119, 3115-3126.	3.9	99
113	Taking aim at shotgun phosphoproteomics. <i>Analytical Biochemistry</i> , 2008, 375, 1-10.	1.1	42
114	Courier service for ammonia. <i>Nature</i> , 2008, 456, 336-337.	13.7	4
115	Vasopressin: friend or foe?. <i>Nature Medicine</i> , 2008, 14, 14-16.	15.2	16
116	Proteomic Approaches for the Study of Cell Signaling in the Renal Collecting Duct. , 2008, 160, 172-185.		8
117	Vasopressin-stimulated Increase in Phosphorylation at Ser269 Potentiates Plasma Membrane Retention of Aquaporin-2. <i>Journal of Biological Chemistry</i> , 2008, 283, 24617-24627.	1.6	222
118	Akt and ERK1/2 pathways are components of the vasopressin signaling network in rat native IMCD. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, F1030-F1043.	1.3	71
119	Transcriptional profiling of native inner medullary collecting duct cells from rat kidney. <i>Physiological Genomics</i> , 2008, 32, 229-253.	1.0	93
120	Roles of basolateral solute uptake via NKCC1 and of myosin II in vasopressin-induced cell swelling in inner medullary collecting duct. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, F192-F201.	1.3	29
121	Treating lithium-induced nephrogenic diabetes insipidus with a COX-2 inhibitor improves polyuria via upregulation of AQP2 and NKCC2. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, F702-F709.	1.3	48
122	LC-MS/MS analysis of differential centrifugation fractions from native inner medullary collecting duct of rat. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 295, F1799-F1806.	1.3	33
123	Acute regulation of aquaporin-2 phosphorylation at Ser-264 by vasopressin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3134-3139.	3.3	135
124	Proteomic analysis of lithium-induced nephrogenic diabetes insipidus: Mechanisms for aquaporin 2 down-regulation and cellular proliferation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 3634-3639.	3.3	110
125	Urinary exosomes: is there a future?. <i>Nephrology Dialysis Transplantation</i> , 2008, 23, 1799-1801.	0.4	58
126	COX-2 activity transiently contributes to increased water and NaCl excretion in the polyuric phase after release of ureteral obstruction. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, F1322-F1333.	1.3	34

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127	Dynamics of aquaporin-2 serine-261 phosphorylation in response to short-term vasopressin treatment in collecting duct. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, F691-F700.	1.3	141
128	Tandem Mass Spectrometry in Physiology. <i>Physiology</i> , 2007, 22, 390-400.	1.6	23
129	Urea and Renal Function in the 21st Century: Insights from Knockout Mice. <i>Journal of the American Society of Nephrology: JASN</i> , 2007, 18, 679-688.	3.0	94
130	An Automated Platform for Analysis of Phosphoproteomic Datasets: Application to Kidney Collecting Duct Phosphoproteins. <i>Journal of Proteome Research</i> , 2007, 6, 3501-3508.	1.8	58
131	Mouse Models and the Urinary Concentrating Mechanism in the New Millennium. <i>Physiological Reviews</i> , 2007, 87, 1083-1112.	13.1	171
132	Automated Quantification Tool for High-Throughput Proteomics Using Stable Isotope Labeling and LC-MS/MS. <i>Analytical Chemistry</i> , 2006, 78, 5752-5761.	3.2	35
133	Discovery of Urinary Biomarkers. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1760-1771.	2.5	351
134	High-throughput identification of IMCD proteins using LC-MS/MS. <i>Physiological Genomics</i> , 2006, 25, 263-276.	1.0	74
135	In vacuo isotope coded alkylation technique (IVICAT); an N-terminal stable isotopic label for quantitative liquid chromatography/mass spectrometry proteomics. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 2463-2477.	0.7	28
136	Angiotensin II mediates downregulation of aquaporin water channels and key renal sodium transporters in response to urinary tract obstruction. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 291, F1021-F1032.	1.3	65
137	LC-MS/MS Analysis of Apical and Basolateral Plasma Membranes of Rat Renal Collecting Duct Cells. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 2131-2145.	2.5	67
138	Effect of peristaltic contractions of the renal pelvic wall on solute concentrations of the renal inner medulla in the hamster. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 290, F892-F896.	1.3	17
139	Gamble's "economy of water" revisited: studies in urea transporter knockout mice. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 291, F148-F154.	1.3	40
140	The Application of DIGE-Based Proteomics to Renal Physiology. <i>Nephron Physiology</i> , 2006, 104, p61-p72.	1.5	26
141	Quantitative phosphoproteomics of vasopressin-sensitive renal cells: Regulation of aquaporin-2 phosphorylation at two sites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 7159-7164.	3.3	331
142	Sodium retention in cirrhotic rats is associated with increased renal abundance of sodium transporter proteins. <i>Kidney International</i> , 2005, 67, 622-630.	2.6	29
143	Prospects for urinary proteomics: Exosomes as a source of urinary biomarkers (Review Article). <i>Nephrology</i> , 2005, 10, 283-290.	0.7	168
144	COX-2 inhibition prevents downregulation of key renal water and sodium transport proteins in response to bilateral ureteral obstruction. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 289, F322-F333.	1.3	95

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145	Increased expression of ENaC subunits and increased apical targeting of AQP2 in the kidneys of spontaneously hypertensive rats. <i>American Journal of Physiology - Renal Physiology</i> , 2005, 289, F957-F968.	1.3	39
146	Combined Proteomics and Pathways Analysis of Collecting Duct Reveals a Protein Regulatory Network Activated in Vasopressin Escape. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 2852-2863.	3.0	45
147	Large Scale Protein Identification in Intracellular Aquaporin-2 Vesicles from Renal Inner Medullary Collecting Duct. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1095-1106.	2.5	154
148	Molecular Physiology of Renal Aquaporins and Sodium Transporters: Exciting Approaches to Understand Regulation of Renal Water Handling. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 2827-2829.	3.0	10
149	Calmodulin Is Required for Vasopressin-stimulated Increase in Cyclic AMP Production in Inner Medullary Collecting Duct. <i>Journal of Biological Chemistry</i> , 2005, 280, 13624-13630.	1.6	67
150	Renal Phenotype of UT-A Urea Transporter Knockout Mice. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 1583-1592.	3.0	112
151	Diuretics: Mechanisms of Action. , 2005, , 638-652.		1
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