John M Arthur

List of Publications by Year
in descending order

80 papers	3,860 citations	136950 32 h-index	128289 60 g-index
82 all docs	82 docs citations	82 times ranked	4615 citing authors

#	Article	IF	Citations
1	Proteomic analysis of normal human urinary proteins isolated by acetone precipitation or ultracentrifugation. Kidney International, 2002, 62, 1461-1469.	5.2	324
2	Development and Standardization of a Furosemide Stress Test to Predict the Severity of Acute Kidney Injury. Critical Care, 2013, 17, R207.	5.8	265
3	Biomarkers of AKI. Clinical Journal of the American Society of Nephrology: CJASN, 2015, 10, 147-155.	4.5	241
4	Urine Biomarkers Predict the Cause of Glomerular Disease. Journal of the American Society of Nephrology: JASN, 2007, 18, 913-922.	6.1	205
5	Furosemide Stress Test and Biomarkers for the Prediction of AKI Severity. Journal of the American Society of Nephrology: JASN, 2015, 26, 2023-2031.	6.1	205
6	Urinary CD80 is elevated in minimal change disease but not in focal segmental glomerulosclerosis. Kidney International, 2010, 78, 296-302.	5.2	160
7	Chronic kidney disease and the gut microbiome. American Journal of Physiology - Renal Physiology, 2019, 316, F1211-F1217.	2.7	147
8	Evaluation of 32 urine biomarkers to predict the progression of acute kidney injury after cardiac surgery. Kidney International, 2014, 85, 431-438.	5.2	117
9	NELL1 is a target antigen in malignancy-associated membranous nephropathy. Kidney International, 2021, 99, 967-976.	5.2	108
10	Development of ACE2 autoantibodies after SARS-CoV-2 infection. PLoS ONE, 2021, 16, e0257016.	2.5	107
11	Neural cell adhesion molecule 1 is a novel autoantigen in membranous lupus nephritis. Kidney International, 2021, 100, 171-181.	5.2	94
12	Urinary mitochondrial DNA is a biomarker of mitochondrial disruption and renal dysfunction in acute kidney injury. Kidney International, 2015, 88, 1336-1344.	5.2	84
13	Characterization of renin-angiotensin system enzyme activities in cultured mouse podocytes. American Journal of Physiology - Renal Physiology, 2007, 293, F398-F407.	2.7	83
14	Quantitative Analysis of Formyl Peptide Receptor Coupling to GiÎ±1, GiÎ±2, and GiÎ±3. Journal of Biological Chemistry, 1999, 274, 33259-33266.	3.4	78
15	Intravenous conivaptan for the treatment of hyponatraemia caused by the syndrome of inappropriate secretion of antidiuretic hormone in hospitalized patients: a single-centre experience. Nephrology Dialysis Transplantation, 2010, 25, 1524-1531.	0.7	68
16	Proteomic Analysis Reveals Alterations in the Renal Kallikrein Pathway during Hypoxia-Induced Hypertension. Journal of Biological Chemistry, 2002, 277, 34708-34716.	3.4	65
17	Prediction of urinary protein markers in lupus nephritis. Kidney International, 2005, 68, 2588-2592.	5.2	65
18	Urine haptoglobin levels predict early renal functional decline in patients with type 2 diabetes. Kidney International, 2013, 83, 1136-1143.	5.2	63

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19	Differential expression of proteins in renal cortex and medulla: A proteomic approach11See Editorial by Bonventre, p. 1470.. Kidney International, 2002, 62, 1314-1321.	5.2	62
20	Urinary Angiotensinogen and Risk of Severe AKI. Clinical Journal of the American Society of Nephrology: CJASN, 2013, 8, 184-193.	4.5	62
21	Normalization and analysis of residual variation in two-dimensional gel electrophoresis for quantitative differential proteomics. Proteomics, 2005, 5, 1242-1249.	2.2	58
22	The calcium-sensing receptor regulates calcium absorption in MDCK cells by inhibition of PMCA. American Journal of Physiology - Renal Physiology, 2001, 280, F815-F822.	2.7	53
23	Proteomics in renal research. American Journal of Physiology - Renal Physiology, 2007, 292, F501-F512.	2.7	51
24	Angiotensin I Is Largely Converted to Angiotensin (1-7) and Angiotensin (2-10) by Isolated Rat Glomeruli. Hypertension, 2009, 53, 790-797.	2.7	50
25	Kidney glycosphingolipids are elevated early in diabetic nephropathy and mediate hypertrophy of mesangial cells. American Journal of Physiology - Renal Physiology, 2015, 309, F204-F215.	2.7	48
26	Proteomic Identification of a Large Complement of Rat Urinary Proteins. Nephron Experimental Nephrology, 2003, 95, e69-e78.	2.2	43
27	Sodium loading changes urinary protein excretion: a proteomic analysis. American Journal of Physiology - Renal Physiology, 2003, 284, F1155-F1163.	2.7	42
28	Development of Biomarker Models to Predict Outcomes in Lupus Nephritis. Arthritis and Rheumatology, 2016, 68, 1955-1963.	5.6	42
29	Enzymatic processing of angiotensin peptides by human glomerular endothelial cells. American Journal of Physiology - Renal Physiology, 2012, 302, F1583-F1594.	2.7	38
30	The Calcium-Sensing Receptor Stimulates JNK in MDCK Cells. Biochemical and Biophysical Research Communications, 2000, 275, 538-541.	2.1	37
31	An XML standard for the dissemination of annotated 2D gel electrophoresis data complemented with mass spectrometry results. BMC Bioinformatics, 2004, 5, 9.	2.6	36
32	Perfluoroalkyl substances and kidney function in chronic kidney disease, anemia, and diabetes. Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2018, Volume 11, 707-716.	2.4	36
33	Identification of Proteins in Slow Continuous Ultrafiltrate by Reversed-Phase Chromatography and Proteomics. Journal of Proteome Research, 2004, 3, 1254-1260.	3.7	35
34	Overcoming the Effects of Matrix Interference in the Measurement of Urine Protein Analytes. Biomarker Insights, 2012, 7, BMI.S8703.	2.5	34
35	Partial agonist properties of rauwolscine and yohimbine for the inhibition of adenylyl cyclase by recombinant human 5-HT1A receptors. Biochemical Pharmacology, 1993, 45, 2337-2341.	4.4	33
36	Association of Elevated Urinary Concentration of Renin-Angiotensin System Components and Severe AKI. Clinical Journal of the American Society of Nephrology: CJASN, 2013, 8, 2043-2052.	4.5	30

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37	Transforming Growth Factor Beta Receptor 3 (TGFBR3)â€“Associated Membranous Nephropathy. Kidney360, 2021, 2, 1275-1286.	2.1	30
38	Diabetes-Induced Renal Injury in Rats Is Attenuated by Suramin. Journal of Pharmacology and Experimental Therapeutics, 2012, 343, 34-43.	2.5	28
39	Urinary angiotensinogen predicts adverse outcomes among acute kidney injury patients in the intensive care unit. Critical Care, 2013, 17, R69.	5.8	28
40	Metaproteomics reveals potential mechanisms by which dietary resistant starch supplementation attenuates chronic kidney disease progression in rats. PLoS ONE, 2019, 14, e0199274.	2.5	25
41	Glycosylated sphingolipids and progression to kidney dysfunction in type 1 diabetes. Journal of Clinical Lipidology, 2019, 13, 481-491.e1.	1.5	25
42	Interaction of cyclosporine and FK506 with diuretics in transplant patients. Kidney International, 2000, 58, 325-330.	5.2	24
43	Network Modeling Reveals Steps in Angiotensin Peptide Processing. Hypertension, 2013, 61, 690-700.	2.7	24
44	Renal cold storage followed by transplantation impairs expression of key mitochondrial fission and fusion proteins. PLoS ONE, 2017, 12, e0185542.	2.5	24
45	Proteomics. Current Opinion in Nephrology and Hypertension, 2003, 12, 423-430.	2.0	23
46	Comparison of the Rate of Renal Function Decline in NonProteinuric Patients With and Without Diabetes. American Journal of the Medical Sciences, 2015, 350, 447-452.	1.1	23
47	Sources of variability among replicate samples separated by two-dimensional gel electrophoresis. Journal of Biomolecular Techniques, 2010, 21, 3-8.	1.5	23
48	A Novel CLCN5 Mutation Associated WithÂFocal Segmental Glomerulosclerosis andÂPodocyte Injury. Kidney International Reports, 2018, 3, 1443-1453.	0.8	22
49	An open-source representation for 2-DE-centric proteomics and support infrastructure for data storage and analysis. BMC Bioinformatics, 2008, 9, 4.	2.6	21
50	AGML Central: web based gel proteomic infrastructure. Bioinformatics, 2005, 21, 1754-1757.	4.1	18
51	Home runâ€”results of a chronic kidney disease Telemedicine Patient Education Study. CKJ: Clinical Kidney Journal, 2020, 13, 867-872.	2.9	18
52	Proteomic analysis of cerebrospinal fluid in California sea lions (Zalophus californianus) with domoic acid toxicosis identifies proteins associated with neurodegeneration. Proteomics, 2015, 15, 4051-4063.	2.2	17
53	Resistant starch slows the progression of CKD in the 5/6 nephrectomy mouse model. Physiological Reports, 2020, 8, e14610.	1.7	15
54	Activation of Mitogen-activated Protein Kinases by Formyl Peptide Receptors Is Regulated by the Cytoplasmic Tail. Journal of Biological Chemistry, 1998, 273, 20916-20923.	3.4	14

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55	Identification of Diagnostic Urinary Biomarkers for Acute Kidney Injury. Journal of Investigative Medicine, 2010, 58, 612-620.	1.6	14
56	Serum amyloid P deposition is a sensitive and specific feature of membranous-like glomerulopathy with masked IgG kappa deposits. Kidney International, 2020, 97, 602-608.	5.2	14
57	Ratiometric Measurements of Adiponectin by Mass Spectrometry in Bottlenose Dolphins (Tursiops) Tj ETQq1 1 0.784314 rgBT /Overlock in Endocrinology, 2013, 4, 132.	3.5	13
58	Urinary ATP Synthase Subunit Î² Is a Novel Biomarker of Renal Mitochondrial Dysfunction in Acute Kidney Injury. Toxicological Sciences, 2015, 145, 108-117.	3.1	13
59	Proteomic Analysis of Plasma from California Sea Lions (Zalophus californianus) Reveals Apolipoprotein E as a Candidate Biomarker of Chronic Domoic Acid Toxicosis. PLoS ONE, 2015, 10, e0123295.	2.5	13
60	Deficiency of the Angiotensinase Aminopeptidase A Increases Susceptibility to Glomerular Injury. Journal of the American Society of Nephrology: JASN, 2017, 28, 2119-2132.	6.1	12
61	Efficient adenylyl cyclase activation by a Î²2-adrenoceptor-GiÎ±2 fusion protein. Biochemical and Biophysical Research Communications, 2002, 298, 824-828.	2.1	11
62	Diagnostic and Prognostic Biomarkers in Acute Renal Failure. , 2008, 160, 53-64.		10
63	Changes in protein profiles during course of experimental glomerulonephritis. American Journal of Physiology - Renal Physiology, 2009, 296, F186-F193.	2.7	10
64	Changes in protein expression in Burkholderia vietnamiensis PR1301 at pHâ€…5 and 7 with and without nickel. Microbiology (United Kingdom), 2008, 154, 3813-3824.	1.8	8
65	Effect of loading dose and formulation on safety and efficacy of conivaptan in treatment of euvolemic and hypervolemic hyponatremia. American Journal of Health-System Pharmacy, 2011, 68, 590-598.	1.0	8
66	APOL1 Risk Variants and Acute Kidney Injury in Black Americans with COVID-19. Clinical Journal of the American Society of Nephrology: CJASN, 2021, 16, 1790-1796.	4.5	8
67	Deficient homologous desensitization of formyl peptide receptors stably expressed in undifferentiated HL-60 cells. Biochemical Pharmacology, 2000, 60, 179-187.	4.4	7
68	Cilia movement regulates expression of the Raf-1 kinase inhibitor protein. American Journal of Physiology - Renal Physiology, 2011, 300, F1163-F1170.	2.7	7
69	Proteomic Analysis for Identification of Biomarkers that Predict Severe Acute Kidney Injury. Nephron, 2018, 140, 129-133.	1.8	7
70	Proteomic analysis of murine bone marrow niche microenvironment identifies thioredoxin as a novel agent for radioprotection and for enhancing donor cell reconstitution. Experimental Hematology, 2013, 41, 944-956.	0.4	6
71	Vancomycin-Associated Acute Kidney Injury with a Steep Rise in Serum Creatinine. Nephron, 2018, 139, 131-142.	1.8	6
72	Lack of Renoprotective Effect of Chronic Intravenous Angiotensin-(1-7) or Angiotensin-(2-10) in a Rat Model of Focal Segmental Glomerulosclerosis. PLoS ONE, 2014, 9, e110083.	2.5	6

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73	Identification of diagnostic urinary biomarkers for acute kidney injury. Journal of Investigative Medicine, 2010, 58, 612-20.	1.6	5
74	Role of medullary lateral reticular formation in baroreflex coronary vasoconstriction. Brain Research, 1991, 557, 202-209.	2.2	4
75	Implications of renal ACE2 expression in the age of COVID-19. European Heart Journal, 2020, 41, 4589-4591.	2.2	3
76	Proteomics in CKD. Advances in Chronic Kidney Disease, 2010, 17, 453-454.	1.4	1
77	Biomarkers in Glomerular Disease. , 2011, , 367-383.		1
78	Letter to the editor: â€œConcern regarding quantification of urinary nephrin by a commercially available ELISAâ€• American Journal of Physiology - Renal Physiology, 2015, 309, F269-F270.	2.7	1
79	Proteomics and Acute Renal Failure. , 2009, , 465-469.		0
80	Are Undergraduates Familiar with Nephrology as a Medical Specialty? - A Single Site Survey of Undergraduate Students. Kidney360, 0, 3, 10.34067/KID.0002472022.	2.1	0