David J Kennedy

List of Publications by Year in descending order

70 papers	3,391 citations	159585 30 h-index	144013 57 g-index
75 all docs	75 docs citations	75 times ranked	4797 citing authors

#	Article	IF	Citations
1	Gut Microbiota-Dependent Trimethylamine N -Oxide (TMAO) Pathway Contributes to Both Development of Renal Insufficiency and Mortality Risk in Chronic Kidney Disease. Circulation Research, 2015, 116, 448-455.	4.5	898
2	Central Role for the Cardiotonic Steroid Marinobufagenin in the Pathogenesis of Experimental Uremic Cardiomyopathy. Hypertension, 2006, 47, 488-495.	2.7	246
3	A CD36-dependent pathway enhances macrophage and adipose tissue inflammation and impairs insulin signalling. Cardiovascular Research, 2011, 89, 604-613.	3.8	158
4	Marinobufagenin Stimulates Fibroblast Collagen Production and Causes Fibrosis in Experimental Uremic Cardiomyopathy. Hypertension, 2007, 49, 215-224.	2.7	145
5	Renal insufficiency as a predictor of adverse events and mortality after renal artery stent placement. American Journal of Kidney Diseases, 2003, 42, 926-935.	1.9	97
6	Partial nephrectomy as a model for uremic cardiomyopathy in the mouse. American Journal of Physiology - Renal Physiology, 2008, 294, F450-F454.	2.7	96
7	CD36 and Na/K-ATPase-Î±1 Form a Proinflammatory Signaling Loop in Kidney. Hypertension, 2013, 61, 216-224.	2.7	84
8	Monoclonal antibody against marinobufagenin reverses cardiac fibrosis in rats with chronic renal failure. American Journal of Hypertension, 2012, 25, 690-696.	2.0	82
9	Effect of Chronic Renal Failure on Cardiac Contractile Function, Calcium Cycling, and Gene Expression of Proteins Important for Calcium Homeostasis in the Rat. Journal of the American Society of Nephrology: JASN, 2003, 14, 90-97.	6.1	77
10	Oxidized LDLâ€“bound CD36 recruits an Na ⁺ /K ⁺ -ATPaseâ€“Lyn complex in macrophages that promotes atherosclerosis. Science Signaling, 2015, 8, ra91.	3.6	73
11	Endogenous cardiotonic steroids in chronic renal failure. Nephrology Dialysis Transplantation, 2011, 26, 2912-2919.	0.7	68
12	Hematopoietic Cellâ€“Restricted Deletion of CD36 Reduces High-Fat Dietâ€“Induced Macrophage Infiltration and Improves Insulin Signaling in Adipose Tissue. Diabetes, 2011, 60, 1100-1110.	0.6	65
13	The cardiotonic steroid hormone marinobufagenin induces renal fibrosis: implication of epithelial-to-mesenchymal transition. American Journal of Physiology - Renal Physiology, 2009, 296, F922-F934.	2.7	61
14	Diminished Antioxidant Activity of High-Density Lipoprotein-Associated Proteins in Chronic Kidney Disease. Journal of the American Heart Association, 2013, 2, e000104-e000104.	3.7	61
15	Reactive Oxygen Species Modulation of Na/K-ATPase Regulates Fibrosis and Renal Proximal Tubular Sodium Handling. International Journal of Nephrology, 2012, 2012, 1-14.	1.3	52
16	Attenuation of Na/K-ATPase Mediated Oxidant Amplification with pNaKtide Ameliorates Experimental Uremic Cardiomyopathy. Scientific Reports, 2016, 6, 34592.	3.3	51
17	The Effect of Electronic-Cigarette Vaping on Cardiac Function and Angiogenesis in Mice. Scientific Reports, 2019, 9, 4085.	3.3	51
18	Elevated Plasma Marinobufagenin, An Endogenous Cardiotonic Steroid, Is Associated With Right Ventricular Dysfunction and Nitrative Stress in Heart Failure. Circulation: Heart Failure, 2015, 8, 1068-1076.	3.9	48

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19	Na/K-ATPase signaling regulates collagen synthesis through microRNA-29b-3p in cardiac fibroblasts. Physiological Genomics, 2016, 48, 220-229.	2.3	47
20	Pathogenic Role of Scavenger Receptor CD36 in the Metabolic Syndrome and Diabetes. Metabolic Syndrome and Related Disorders, 2011, 9, 239-245.	1.3	45
21	CD36 mediates proximal tubular binding and uptake of albumin and is upregulated in proteinuric nephropathies. American Journal of Physiology - Renal Physiology, 2012, 303, F1006-F1014.	2.7	40
22	Regulation of Cardiac Remodeling by Cardiac Na+/K+-ATPase Isoforms. Frontiers in Physiology, 2016, 7, 382.	2.8	38
23	CD36/SR-B2-TLR2 Dependent Pathways Enhance Porphyromonas gingivalis Mediated Atherosclerosis in the Ldlr KO Mouse Model. PLoS ONE, 2015, 10, e0125126.	2.5	37
24	Na/K-ATPase signaling mediates miR-29b-3p regulation and cardiac fibrosis formation in mice with chronic kidney disease. PLoS ONE, 2018, 13, e0197688.	2.5	36
25	Mitochondrial impairment in the five-sixth nephrectomy model of chronic renal failure: proteomic approach. BMC Nephrology, 2013, 14, 209.	1.8	35
26	CD36 Enhances Vascular Smooth Muscle Cell Proliferation and Development of Neointimal Hyperplasia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 263-275.	2.4	35
27	As We Drink and Breathe: Adverse Health Effects of Microcystins and Other Harmful Algal Bloom Toxins in the Liver, Gut, Lungs and Beyond. Life, 2022, 12, 418.	2.4	35
28	Vascular Calcification in Chronic Kidney Disease: Diversity in the Vessel Wall. Biomedicines, 2021, 9, 404.	3.2	34
29	Rapamycin Attenuates Cardiac Fibrosis in Experimental Uremic Cardiomyopathy by Reducing Marinobufagenin Levels and Inhibiting Downstream Proâ€Fibrotic Signaling. Journal of the American Heart Association, 2016, 5, .	3.7	33
30	Protein Carbonylation of an Amino Acid Residue of the Na/Kâ€ATPase Î±1 Subunit Determines Na/Kâ€ATPase Signaling and Sodium Transport in Renal Proximal Tubular Cells. Journal of the American Heart Association, 2016, 5, .	3.7	32
31	Cardiotonic Steroids and the Sodium Trade Balance: New Insights into Trade-Off Mechanisms Mediated by the Na+/K+-ATPase. International Journal of Molecular Sciences, 2018, 19, 2576.	4.1	32
32	Ouabain decreases sarco(endo)plasmic reticulum calcium ATPase activity in rat hearts by a process involving protein oxidation. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H3003-H3011.	3.2	31
33	Chronic Low Dose Oral Exposure to Microcystin-LR Exacerbates Hepatic Injury in a Murine Model of Non-Alcoholic Fatty Liver Disease. Toxins, 2019, 11, 486.	3.4	30
34	Exposure to the Harmful Algal Bloom (HAB) Toxin Microcystin-LR (MC-LR) Prolongs and Increases Severity of Dextran Sulfate Sodium (DSS)-Induced Colitis. Toxins, 2019, 11, 371.	3.4	29
35	Development and applications of solid-phase extraction and liquid chromatography-mass spectrometry methods for quantification of microcystins in urine, plasma, and serum. Journal of Chromatography A, 2018, 1573, 66-77.	3.7	27
36	Diminished Antioxidant Activity of Highâ€Density Lipoproteinâ€“Associated Proteins in Chronic Kidney Disease. Journal of the American Heart Association, 2013, 2, .	3.7	26

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37	Increasing Serum Soluble Angiotensin-Converting Enzyme 2 Activity After Intensive Medical Therapy Is Associated With Better Prognosis in Acute Decompensated Heart Failure. Journal of Cardiac Failure, 2013, 19, 605-610.	1.7	25
38	Assessment of diagnostic biomarkers of liver injury in the setting of microcystin-LR (MC-LR) hepatotoxicity. Chemosphere, 2020, 257, 127111.	8.2	22
39	Cigarette smoking causes epigenetic changes associated with cardiorenal fibrosis. Physiological Genomics, 2016, 48, 950-960.	2.3	21
40	Telocinobufagin, a Novel Cardiotonic Steroid, Promotes Renal Fibrosis via Na+/K+-ATPase Profibrotic Signaling Pathways. International Journal of Molecular Sciences, 2018, 19, 2566.	4.1	21
41	Paraoxonase 2 prevents the development of heart failure. Free Radical Biology and Medicine, 2018, 121, 117-126.	2.9	21
42	Plasma Ceruloplasmin, a Regulator of Nitric Oxide Activity, and Incident Cardiovascular Risk in Patients with CKD. Clinical Journal of the American Society of Nephrology: CJASN, 2014, 9, 462-467.	4.5	18
43	Impact of Comorbidities on SARS-CoV-2 Viral Entry-Related Genes. Journal of Personalized Medicine, 2020, 10, 146.	2.5	17
44	Circulating Lactonase Activity but Not Protein Level of PON-1 Predicts Adverse Outcomes in Subjects with Chronic Kidney Disease. Journal of Clinical Medicine, 2019, 8, 1034.	2.4	16
45	Hyperglycemia induces key genetic and phenotypic changes in human liver epithelial HepG2 cells which parallel the Leprdb/J mouse model of non-alcoholic fatty liver disease (NAFLD). PLoS ONE, 2019, 14, e0225604.	2.5	16
46	Na/K-ATPase/src complex mediates regulation of CD40 in renal parenchyma. Nephrology Dialysis Transplantation, 2018, 33, 1138-1149.	0.7	15
47	Platelet Activation in Patients with Atherosclerotic Renal Artery Stenosis Undergoing Stent Revascularization. Clinical Journal of the American Society of Nephrology: CJASN, 2011, 6, 2185-2191.	4.5	13
48	Development and Application of Extraction Methods for LC-MS Quantification of Microcystins in Liver Tissue. Toxins, 2020, 12, 263.	3.4	13
49	Renal Fibrosis Is Significantly Attenuated Following Targeted Disruption of Cd40 in Experimental Renal Ischemia. Journal of the American Heart Association, 2020, 9, e014072.	3.7	11
50	A PON for All Seasons: Comparing Paraoxonase Enzyme Substrates, Activity and Action including the Role of PON3 in Health and Disease. Antioxidants, 2022, 11, 590.	5.1	10
51	CD40 Receptor Knockout Protects against Microcystin-LR (MC-LR) Prolongation and Exacerbation of Dextran Sulfate Sodium (DSS)-Induced Colitis. Biomedicines, 2020, 8, 149.	3.2	9
52	Epithelial and Endothelial Adhesion of Immune Cells Is Enhanced by Cardiotonic Steroid Signaling Through Na ⁺ /K ⁺ â€ATPaseâ€Îąâ€1. Journal of the American Heart Association, 2020, 9, e013933.	3.7	9
53	Regulation of Na/K-ATPase expression by cholesterol: isoform specificity and the molecular mechanism. American Journal of Physiology - Cell Physiology, 2020, 319, C1107-C1119.	4.6	8
54	A strategic expression method of miR-29b and its anti-fibrotic effect based on RNA-sequencing analysis. PLoS ONE, 2020, 15, e0244065.	2.5	8

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55	Proinflammatory Effects of Cardiotonic Steroids Mediated by NKA Î±-1 (Na+/K+-ATPase Î±-1)/Src Complex in Renal Epithelial Cells and Immune Cells. Hypertension, 2019, 74, 73-82.	2.7	7
56	Paraoxonase-1 Regulation of Renal Inflammation and Fibrosis in Chronic Kidney Disease. Antioxidants, 2022, 11, 900.	5.1	7
57	Budget constrained machine learning for early prediction of adverse outcomes for COVID-19 patients. Scientific Reports, 2021, 11, 19543.	3.3	6
58	Harmful Algal Bloom Toxicity in Lithobates catesbeiana Tadpoles. Toxins, 2020, 12, 378.	3.4	5
59	Microcystin-LR (MC-LR) Triggers Inflammatory Responses in Macrophages. International Journal of Molecular Sciences, 2021, 22, 9939.	4.1	5
60	Dirty Jobs: Macrophages at the Heart of Cardiovascular Disease. Biomedicines, 2022, 10, 1579.	3.2	4
61	Quality of Life Improves After Renal Artery Stenting. Biological Research for Nursing, 2006, 8, 129-137.	1.9	3
62	Getting to the Heart and Soul of Chronic Kidney Disease. Journal of the American Heart Association, 2020, 9, e017427.	3.7	3
63	Toward Revealing Microcystin Distribution in Mouse Liver Tissue Using MALDI-MS Imaging. Toxins, 2021, 13, 709.	3.4	3
64	Abstract 17746: Telecinobufagin, a Novel Cardiotonic Steroid, Promotes Myocardial and Renal Fibrosis via Na/K-ATPase Profibrotic Signalling Pathways. Circulation, 2014, 130, .	1.6	2
65	Cardiotonic Steroids and Sodium Excretion in Heart Failure with Preserved Ejection Fraction. Journal of Cardiac Failure, 2014, 20, S79-S80.	1.7	1
66	Abstract 16835: Targeted Disruption of Paraoxonase 3 in a Dahl Salt-Sensitive Rat Model of Chronic Kidney Disease Increases Renal Cortical Pro-Inflammatory Eicosanoids. Circulation, 2020, 142, .	1.6	1
67	Dynamic modeling of hospitalized COVID-19 patients reveals disease stateâ€“dependent risk factors. Journal of the American Medical Informatics Association: JAMIA, 2022, 29, 864-872.	4.4	1
68	Use of Surface-Enhanced Laser Desorption/Ionization with Time of Flight (SELDI-TOF) of the Urine in the Assessment of Acute Kidney Injury (AKI). Marshall Journal of Medicine, 2016, 2, .	0.1	0
69	Paraoxonaseâ€1 regulation of Na/Kâ€ATPase alphaâ€1 Src signaling in Chronic Kidney Disease. FASEB Journal, 2020, 34, 1-1.	0.5	0
70	Abstract 16965: Paraoxanase-1 Modulates Cardiotonic Steroid Induced Cardiac Inflammation and Fibrosis in Dahl Salt Sensitive Model of Chronic Kidney Disease. Circulation, 2020, 142, .	1.6	0