

# David J Kennedy

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

3,391  
citations

159358

30  
h-index

143772

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. <i>Circulation Research</i> , 2015, 116, 448-455.                         | 2.0 | 898       |
| 2  | Central Role for the Cardiotonic Steroid Marinobufagenin in the Pathogenesis of Experimental Uremic Cardiomyopathy. <i>Hypertension</i> , 2006, 47, 488-495.  | 1.3 | 246       |
| 3  | A CD36-dependent pathway enhances macrophage and adipose tissue inflammation and impairs insulin signalling. <i>Cardiovascular Research</i> , 2011, 89, 604-613.  | 1.8 | 158       |
| 4  | Marinobufagenin Stimulates Fibroblast Collagen Production and Causes Fibrosis in Experimental Uremic Cardiomyopathy. <i>Hypertension</i> , 2007, 49, 215-224.   | 1.3 | 145       |
| 5  | Renal insufficiency as a predictor of adverse events and mortality after renal artery stent placement. <i>American Journal of Kidney Diseases</i> , 2003, 42, 926-935.  | 2.1 | 97        |
| 6  | Partial nephrectomy as a model for uremic cardiomyopathy in the mouse. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, F450-F454.   | 1.3 | 96        |
| 7  | CD36 and Na/K-ATPase- $\beta$ 1 Form a Proinflammatory Signaling Loop in Kidney. <i>Hypertension</i> , 2013, 61, 216-224.   | 1.3 | 84        |
| 8  | Monoclonal antibody against marinobufagenin reverses cardiac fibrosis in rats with chronic renal failure. <i>American Journal of Hypertension</i> , 2012, 25, 690-696.  | 1.0 | 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. <i>Journal of the American Society of Nephrology: JASN</i> , 2003, 14, 90-97. | 3.0 | 77        |
| 10 | Oxidized LDL-bound CD36 recruits an Na <sup>+</sup> /K <sup>+</sup> -ATPase-Lyn complex in macrophages that promotes atherosclerosis. <i>Science Signaling</i> , 2015, 8, ra91.   | 1.6 | 73        |
| 11 | Endogenous cardiotonic steroids in chronic renal failure. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 2912-2919.   | 0.4 | 68        |
| 12 | Hematopoietic Cell-Restricted Deletion of CD36 Reduces High-Fat Diet-Induced Macrophage Infiltration and Improves Insulin Signaling in Adipose Tissue. <i>Diabetes</i> , 2011, 60, 1100-1110.   | 0.3 | 65        |
| 13 | The cardiotonic steroid hormone marinobufagenin induces renal fibrosis: implication of epithelial-to-mesenchymal transition. <i>American Journal of Physiology - Renal Physiology</i> , 2009, 296, F922-F934.                                 | 1.3 | 61        |
| 14 | Diminished Antioxidant Activity of High-Density Lipoprotein-Associated Proteins in Chronic Kidney Disease. <i>Journal of the American Heart Association</i> , 2013, 2, e000104-e000104.   | 1.6 | 61        |
| 15 | Reactive Oxygen Species Modulation of Na/K-ATPase Regulates Fibrosis and Renal Proximal Tubular Sodium Handling. <i>International Journal of Nephrology</i> , 2012, 2012, 1-14.   | 0.7 | 52        |
| 16 | Attenuation of Na/K-ATPase Mediated Oxidant Amplification with pNaKtide Ameliorates Experimental Uremic Cardiomyopathy. <i>Scientific Reports</i> , 2016, 6, 34592.   | 1.6 | 51        |
| 17 | The Effect of Electronic-Cigarette Vaping on Cardiac Function and Angiogenesis in Mice. <i>Scientific Reports</i> , 2019, 9, 4085.  | 1.6 | 51        |
| 18 | Elevated Plasma Marinobufagenin, An Endogenous Cardiotonic Steroid, Is Associated With Right Ventricular Dysfunction and Nitrate Stress in Heart Failure. <i>Circulation: Heart Failure</i> , 2015, 8, 1068-1076.                             | 1.6 | 48        |

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|----|---|-----|-----------|
| 19 | Na/K-ATPase signaling regulates collagen synthesis through microRNA-29b-3p in cardiac fibroblasts. <i>Physiological Genomics</i> , 2016, 48, 220-229.   | 1.0 | 47        |
| 20 | Pathogenic Role of Scavenger Receptor CD36 in the Metabolic Syndrome and Diabetes. <i>Metabolic Syndrome and Related Disorders</i> , 2011, 9, 239-245.  | 0.5 | 45        |
| 21 | CD36 mediates proximal tubular binding and uptake of albumin and is upregulated in proteinuric nephropathies. <i>American Journal of Physiology - Renal Physiology</i> , 2012, 303, F1006-F1014.  | 1.3 | 40        |
| 22 | Regulation of Cardiac Remodeling by Cardiac Na <sup>+</sup> /K <sup>+</sup> -ATPase Isoforms. <i>Frontiers in Physiology</i> , 2016, 7, 382.  | 1.3 | 38        |
| 23 | CD36/SR-B2-TLR2 Dependent Pathways Enhance Porphyromonas gingivalis Mediated Atherosclerosis in the Ldlr KO Mouse Model. <i>PLoS ONE</i> , 2015, 10, e0125126.  | 1.1 | 37        |
| 24 | Na/K-ATPase signaling mediates miR-29b-3p regulation and cardiac fibrosis formation in mice with chronic kidney disease. <i>PLoS ONE</i> , 2018, 13, e0197688.  | 1.1 | 36        |
| 25 | Mitochondrial impairment in the five-sixth nephrectomy model of chronic renal failure: proteomic approach. <i>BMC Nephrology</i> , 2013, 14, 209.   | 0.8 | 35        |
| 26 | CD36 Enhances Vascular Smooth Muscle Cell Proliferation and Development of Neointimal Hyperplasia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 263-275.   | 1.1 | 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. <i>Life</i> , 2022, 12, 418.  | 1.1 | 35        |
| 28 | Vascular Calcification in Chronic Kidney Disease: Diversity in the Vessel Wall. <i>Biomedicines</i> , 2021, 9, 404.   | 1.4 | 34        |
| 29 | Rapamycin Attenuates Cardiac Fibrosis in Experimental Uremic Cardiomyopathy by Reducing Marinobufagenin Levels and Inhibiting Downstream Pro-fibrotic Signaling. <i>Journal of the American Heart Association</i> , 2016, 5, .            | 1.6 | 33        |
| 30 | Protein Carbonylation of an Amino Acid Residue of the Na/K-ATPase $\alpha$ 1 Subunit Determines Na/K-ATPase Signaling and Sodium Transport in Renal Proximal Tubular Cells. <i>Journal of the American Heart Association</i> , 2016, 5, . | 1.6 | 32        |
| 31 | Cardiotonic Steroids and the Sodium Trade Balance: New Insights into Trade-Off Mechanisms Mediated by the Na <sup>+</sup> /K <sup>+</sup> -ATPase. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2576.                   | 1.8 | 32        |
| 32 | Ouabain decreases sarco(endo)plasmic reticulum calcium ATPase activity in rat hearts by a process involving protein oxidation. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H3003-H3011.         | 1.5 | 31        |
| 33 | Chronic Low Dose Oral Exposure to Microcystin-LR Exacerbates Hepatic Injury in a Murine Model of Non-Alcoholic Fatty Liver Disease. <i>Toxins</i> , 2019, 11, 486.  | 1.5 | 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. <i>Toxins</i> , 2019, 11, 371.  | 1.5 | 29        |
| 35 | Development and applications of solid-phase extraction and liquid chromatography-mass spectrometry methods for quantification of microcystins in urine, plasma, and serum. <i>Journal of Chromatography A</i> , 2018, 1573, 66-77.        | 1.8 | 27        |
| 36 | Diminished Antioxidant Activity of High-Density Lipoprotein-Associated Proteins in Chronic Kidney Disease. <i>Journal of the American Heart Association</i> , 2013, 2, .  | 1.6 | 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. <i>Journal of Cardiac Failure</i> , 2013, 19, 605-610. | 0.7 | 25        |
| 38 | Assessment of diagnostic biomarkers of liver injury in the setting of microcystin-LR (MC-LR) hepatotoxicity. <i>Chemosphere</i> , 2020, 257, 127111.   | 4.2 | 22        |
| 39 | Cigarette smoking causes epigenetic changes associated with cardiorenal fibrosis. <i>Physiological Genomics</i> , 2016, 48, 950-960.   | 1.0 | 21        |
| 40 | Telocinobufagin, a Novel Cardiotonic Steroid, Promotes Renal Fibrosis via Na <sup>+</sup> /K <sup>+</sup> -ATPase Profibrotic Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2566.             | 1.8 | 21        |
| 41 | Paraoxonase 2 prevents the development of heart failure. <i>Free Radical Biology and Medicine</i> , 2018, 121, 117-126.  | 1.3 | 21        |
| 42 | Plasma Ceruloplasmin, a Regulator of Nitric Oxide Activity, and Incident Cardiovascular Risk in Patients with CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2014, 9, 462-467.                        | 2.2 | 18        |
| 43 | Impact of Comorbidities on SARS-CoV-2 Viral Entry-Related Genes. <i>Journal of Personalized Medicine</i> , 2020, 10, 146.  | 1.1 | 17        |
| 44 | Circulating Lactonase Activity but Not Protein Level of PON-1 Predicts Adverse Outcomes in Subjects with Chronic Kidney Disease. <i>Journal of Clinical Medicine</i> , 2019, 8, 1034.  | 1.0 | 16        |
| 45 | Hyperglycemia induces key genetic and phenotypic changes in human liver epithelial HepG2 cells which parallel the <i>Leprdb/J</i> mouse model of non-alcoholic fatty liver disease (NAFLD). <i>PLoS ONE</i> , 2019, 14, e0225604.  | 1.1 | 16        |
| 46 | Na/K-ATPase/src complex mediates regulation of CD40 in renal parenchyma. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, 1138-1149.   | 0.4 | 15        |
| 47 | Platelet Activation in Patients with Atherosclerotic Renal Artery Stenosis Undergoing Stent Revascularization. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2011, 6, 2185-2191.                          | 2.2 | 13        |
| 48 | Development and Application of Extraction Methods for LC-MS Quantification of Microcystins in Liver Tissue. <i>Toxins</i> , 2020, 12, 263.   | 1.5 | 13        |
| 49 | Renal Fibrosis Is Significantly Attenuated Following Targeted Disruption of <i>Cd40</i> in Experimental Renal Ischemia. <i>Journal of the American Heart Association</i> , 2020, 9, e014072.                                       | 1.6 | 11        |
| 50 | A PON for All Seasons: Comparing Paraoxonase Enzyme Substrates, Activity and Action including the Role of PON3 in Health and Disease. <i>Antioxidants</i> , 2022, 11, 590.   | 2.2 | 10        |
| 51 | CD40 Receptor Knockout Protects against Microcystin-LR (MC-LR) Prolongation and Exacerbation of Dextran Sulfate Sodium (DSS)-Induced Colitis. <i>Biomedicines</i> , 2020, 8, 149.  | 1.4 | 9         |
| 52 | Epithelial and Endothelial Adhesion of Immune Cells Is Enhanced by Cardiotonic Steroid Signaling Through Na <sup>+</sup> /K <sup>+</sup> -ATPase. <i>Journal of the American Heart Association</i> , 2020, 9, e013933.             | 1.6 | 9         |
| 53 | Regulation of Na/K-ATPase expression by cholesterol: isoform specificity and the molecular mechanism. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C1107-C1119.  | 2.1 | 8         |
| 54 | A strategic expression method of miR-29b and its anti-fibrotic effect based on RNA-sequencing analysis. <i>PLoS ONE</i> , 2020, 15, e0244065.  | 1.1 | 8         |

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|----|--|-----|-----------|
| 55 | Proinflammatory Effects of Cardiotonic Steroids Mediated by NKA $\hat{\pm}$ -1 (Na <sup>+</sup> /K <sup>+</sup> -ATPase $\hat{\pm}$ -1)/Src Complex in Renal Epithelial Cells and Immune Cells. <i>Hypertension</i> , 2019, 74, 73-82. | 1.3 | 7         |
| 56 | Paraoxonase-1 Regulation of Renal Inflammation and Fibrosis in Chronic Kidney Disease. <i>Antioxidants</i> , 2022, 11, 900.  | 2.2 | 7         |
| 57 | Budget constrained machine learning for early prediction of adverse outcomes for COVID-19 patients. <i>Scientific Reports</i> , 2021, 11, 19543.   | 1.6 | 6         |
| 58 | Harmful Algal Bloom Toxicity in <i>Lithobates catesbeiana</i> Tadpoles. <i>Toxins</i> , 2020, 12, 378.   | 1.5 | 5         |
| 59 | Microcystin-LR (MC-LR) Triggers Inflammatory Responses in Macrophages. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9939.  | 1.8 | 5         |
| 60 | Dirty Jobs: Macrophages at the Heart of Cardiovascular Disease. <i>Biomedicines</i> , 2022, 10, 1579.  | 1.4 | 4         |
| 61 | Quality of Life Improves After Renal Artery Stenting. <i>Biological Research for Nursing</i> , 2006, 8, 129-137.   | 1.0 | 3         |
| 62 | Getting to the Heart and Soul of Chronic Kidney Disease. <i>Journal of the American Heart Association</i> , 2020, 9, e017427.  | 1.6 | 3         |
| 63 | Toward Revealing Microcystin Distribution in Mouse Liver Tissue Using MALDI-MS Imaging. <i>Toxins</i> , 2021, 13, 709.   | 1.5 | 3         |
| 64 | Abstract 17746: Telecinobufagin, a Novel Cardiotonic Steroid, Promotes Myocardial and Renal Fibrosis via Na/K-ATPase Profibrotic Signalling Pathways. <i>Circulation</i> , 2014, 130, .  | 1.6 | 2         |
| 65 | Cardiotonic Steroids and Sodium Excretion in Heart Failure with Preserved Ejection Fraction. <i>Journal of Cardiac Failure</i> , 2014, 20, S79-S80.  | 0.7 | 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. <i>Circulation</i> , 2020, 142, .                             | 1.6 | 1         |
| 67 | Dynamic modeling of hospitalized COVID-19 patients reveals disease stateâ€‘dependent risk factors. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2022, 29, 864-872.  | 2.2 | 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). <i>Marshall Journal of Medicine</i> , 2016, 2, .                                      | 0.1 | 0         |
| 69 | Paraoxonaseâ€‘1 regulation of Na/Kâ€‘ATPase alphaâ€‘1 Src signaling in Chronic Kidney Disease. <i>FASEB Journal</i> , 2020, 34, 1-1.   | 0.2 | 0         |
| 70 | Abstract 16965: Paraoxonase-1 Modulates Cardiotonic Steroid Induced Cardiac Inflammation and Fibrosis in Dahl Salt Sensitive Model of Chronic Kidney Disease. <i>Circulation</i> , 2020, 142, .  | 1.6 | 0         |