Subramaniam Pennathur

List of Publications by Year
in descending order

175	17,394	19608 61	14702 127
papers	citations	h-index	g-index

178	178	178	26750
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metabolomic profiles delineate potential role for sarcosine in prostate cancer progression. Nature, 2009, 457, 910-914.	13.7	1,944
2	NETs Are a Source of Citrullinated Autoantigens and Stimulate Inflammatory Responses in Rheumatoid Arthritis. Science Translational Medicine, 2013, 5, 178ra40.	5.8	1,016
3	Shotgun proteomics implicates protease inhibition and complement activation in the antiinflammatory properties of HDL. Journal of Clinical Investigation, 2007, 117, 746-756.	3.9	825
4	NADPH oxidase-4 mediates myofibroblast activation and fibrogenic responses to lung injury. Nature Medicine, 2009, 15, 1077-1081.	15.2	741
5	Antioxidants reduce endoplasmic reticulum stress and improve protein secretion. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18525-18530.	3.3	593
6	Chop deletion reduces oxidative stress, improves Î² cell function, and promotes cell survival in multiple mouse models of diabetes. Journal of Clinical Investigation, 2008, 118, 3378-3389.	3.9	591
7	Gut microbiomeâ€“derived metabolites modulate intestinal epithelial cell damage and mitigate graft-versus-host disease. Nature Immunology, 2016, 17, 505-513.	7.0	536
8	The myeloperoxidase product hypochlorous acid oxidizes HDL in the human artery wall and impairs ABCA1-dependent cholesterol transport. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 13032-13037.	3.3	392
9	Mass Spectrometric Quantification of Markers for Protein Oxidation by Tyrosyl Radical, Copper, and Hydroxyl Radical in Low Density Lipoprotein Isolated from Human Atherosclerotic Plaques. Journal of Biological Chemistry, 1997, 272, 3520-3526.	1.6	329
10	Translation Attenuation through eIF2Î± Phosphorylation Prevents Oxidative Stress and Maintains the Differentiated State in Î² Cells. Cell Metabolism, 2009, 10, 13-26.	7.2	314
11	Detection of Chronic Kidney Disease in Patients With or at Increased Risk of Cardiovascular Disease. Circulation, 2006, 114, 1083-1087.	1.6	302
12	Evidence for a link between gut microbiota and hypertension in the Dahl rat. Physiological Genomics, 2015, 47, 187-197.	1.0	301
13	Systematic evaluation of coding variation identifies a candidate causal variant in TM6SF2 influencing total cholesterol and myocardial infarction risk. Nature Genetics, 2014, 46, 345-351.	9.4	268
14	Ablation of the Inflammatory Enzyme Myeloperoxidase Mitigates Features of Parkinson's Disease in Mice. Journal of Neuroscience, 2005, 25, 6594-6600.	1.7	252
15	Human Atherosclerotic Intima and Blood of Patients with Established Coronary Artery Disease Contain High Density Lipoprotein Damaged by Reactive Nitrogen Species. Journal of Biological Chemistry, 2004, 279, 42977-42983.	1.6	246
16	Mass Spectrometric Quantification of 3-Nitrotyrosine, ortho-Tyrosine, and o,oâ€²-Dityrosine in Brain Tissue of 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine-treated Mice, a Model of Oxidative Stress in Parkinson's Disease. Journal of Biological Chemistry, 1999, 274, 34621-34628.	1.6	244
17	Diabetes promotes an inflammatory macrophage phenotype and atherosclerosis through acyl-CoA synthetase 1. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E715-24.	3.3	240
18	New insights into the mechanisms of diabetic complications: role of lipids and lipid metabolism. Diabetologia, 2019, 62, 1539-1549.	2.9	240

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19	Dyslipidemia-Induced Neuropathy in Mice. Diabetes, 2009, 58, 2376-2385.	0.3	222
20	Decreased glycolytic and tricarboxylic acid cycle intermediates coincide with peripheral nervous system oxidative stress in a murine model of type 2 diabetes. Journal of Endocrinology, 2013, 216, 1-11.	1.2	222
21	Dietary cholesterol exacerbates hepatic steatosis and inflammation in obese LDL receptor-deficient mice. Journal of Lipid Research, 2011, 52, 1626-1635.	2.0	196
22	Tissue-specific metabolic reprogramming drives nutrient flux in diabetic complications. JCI Insight, 2016, 1, e86976.	2.3	188
23	Uremic solutes and risk of end-stage renal disease in type 2 diabetes: metabolomic study. Kidney International, 2014, 85, 1214-1224.	2.6	182
24	Neutrophil Extracellular Trapâ€“Derived Enzymes Oxidize Highâ€Density Lipoprotein: An Additional Proatherogenic Mechanism in Systemic Lupus Erythematosus. Arthritis and Rheumatology, 2014, 66, 2532-2544.	2.9	173
25	Oxidative stress and endothelial dysfunction in vascular disease. Current Diabetes Reports, 2007, 7, 257-264.	1.7	153
26	NADPH Oxidase-derived Reactive Oxygen Species Increases Expression of Monocyte Chemotactic Factor Genes in Cultured Adipocytes. Journal of Biological Chemistry, 2012, 287, 10379-10393.	1.6	152
27	Myeloperoxidase Targets Apolipoprotein A-I, the Major High Density Lipoprotein Protein, for Site-Specific Oxidation in Human Atherosclerotic Lesions. Journal of Biological Chemistry, 2012, 287, 6375-6386.	1.6	148
28	Metabolomics and Diabetes: Analytical and Computational Approaches. Diabetes, 2015, 64, 718-732.	0.3	146
29	Mechanisms for Oxidative Stress in Diabetic Cardiovascular Disease. Antioxidants and Redox Signaling, 2007, 9, 955-969.	2.5	141
30	A hydroxyl radicalâ€“like species oxidizes cynomolgus monkey artery wall proteins in early diabetic vascular disease. Journal of Clinical Investigation, 2001, 107, 853-860.	3.9	135
31	Type I interferons modulate vascular function, repair, thrombosis, and plaque progression in murine models of lupus and atherosclerosis. Arthritis and Rheumatism, 2012, 64, 2975-2985.	6.7	129
32	Analytical Approaches to Metabolomics and Applications to Systems Biology. Seminars in Nephrology, 2010, 30, 500-511.	0.6	128
33	CD36 Regulates Oxidative Stress and Inflammation in Hypercholesterolemic CKD. Journal of the American Society of Nephrology: JASN, 2009, 20, 495-505.	3.0	127
34	Combined Statin and Niacin Therapy Remodels the High-Density Lipoprotein Proteome. Circulation, 2008, 118, 1259-1267.	1.6	125
35	Modifying Apolipoprotein A-I by Malondialdehyde, but Not by an Array of Other Reactive Carbonyls, Blocks Cholesterol Efflux by the ABCA1 Pathway. Journal of Biological Chemistry, 2010, 285, 18473-18484.	1.6	124
36	Impaired Î²-Oxidation and Altered Complex Lipid Fatty Acid Partitioning with Advancing CKD. Journal of the American Society of Nephrology: JASN, 2018, 29, 295-306.	3.0	122

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37	Glycine-based treatment ameliorates NAFLD by modulating fatty acid oxidation, glutathione synthesis, and the gut microbiome. Science Translational Medicine, 2020, 12, .	5.8	122
38	Marking renal injury: can we move beyond serumÂcreatinine?. Translational Research, 2012, 159, 277-289.	2.2	115
39	Long-chain acyl-CoA synthetase 4 modulates prostaglandin E2 release from human arterial smooth muscle cells. Journal of Lipid Research, 2011, 52, 782-793.	2.0	114
40	Hyperlipidemia in Concert With Hyperglycemia Stimulates the Proliferation of Macrophages in Atherosclerotic Lesions: Potential Role of Glucose-Oxidized LDL. Diabetes, 2004, 53, 3217-3225.	0.3	106
41	Autophagy Deficiency by Hepatic FIP200 Deletion Uncouples Steatosis From Liver Injury in NAFLD. Molecular Endocrinology, 2013, 27, 1643-1654.	3.7	95
42	Mass Spectrometry Imaging Reveals Elevated Glomerular ATP/AMP in Diabetes/obesity and Identifies Sphingomyelin as a Possible Mediator. EBioMedicine, 2016, 7, 121-134.	2.7	93
43	Soluble Urokinase Receptor (SuPAR) in COVID-19â€“Related AKI. Journal of the American Society of Nephrology: JASN, 2020, 31, 2725-2735.	3.0	93
44	COVID-19 and Diabetes: A Collision and Collusion of Two Diseases. Diabetes, 2020, 69, 2549-2565.	0.3	91
45	Circulating Modified Metabolites and a Risk of ESRD in Patients With Type 1 Diabetes and Chronic Kidney Disease. Diabetes Care, 2017, 40, 383-390.	4.3	88
46	Ambient Air Pollution Is Associated With HDL (High-Density Lipoprotein) Dysfunction in Healthy Adults. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 513-522.	1.1	87
47	Urinary Polycyclic Aromatic Hydrocarbon Metabolite Associations with Biomarkers of Inflammation, Angiogenesis, and Oxidative Stress in Pregnant Women. Environmental Science & Technology, 2017, 51, 4652-4660.	4.6	86
48	Myeloperoxidase Generates 5-Chlorouracil in Human Atherosclerotic Tissue. Journal of Biological Chemistry, 2006, 281, 3096-3104.	1.6	84
49	Potent antioxidative activity of lycopene: A potential role in scavenging hypochlorous acid. Free Radical Biology and Medicine, 2010, 49, 205-213.	1.3	82
50	The balance of powers: Redox regulation of fibrogenic pathways in kidney injury. Redox Biology, 2015, 6, 495-504.	3.9	76
51	Metabolomic Profiling Reveals a Role for Androgen in Activating Amino Acid Metabolism and Methylation in Prostate Cancer Cells. PLoS ONE, 2011, 6, e21417.	1.1	75
52	Increased lipogenesis and impaired Î²-oxidation predict type 2 diabetic kidney disease progression in American Indians. JCI Insight, 2019, 4, .	2.3	74
53	Rosiglitazone reduces renal and plasma markers of oxidative injury and reverses urinary metabolite abnormalities in the amelioration of diabetic nephropathy. American Journal of Physiology - Renal Physiology, 2008, 295, F1071-F1081.	1.3	72
54	Evaluation of coverage, retention patterns, and selectivity of seven liquid chromatographic methods for metabolomics. Analytical and Bioanalytical Chemistry, 2016, 408, 6079-6091.	1.9	72

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55	Perhexiline activates KLF14 and reduces atherosclerosis by modulating ApoA-I production. Journal of Clinical Investigation, 2015, 125, 3819-3830.	3.9	72
56	Establishing 3-nitrotyrosine as a biomarker for the vasculopathy of Fabry disease. Kidney International, 2014, 86, 58-66.	2.6	71
57	Testing the Role of Myeloid Cell Glucose Flux in Inflammation and Atherosclerosis. Cell Reports, 2014, 7, 356-365.	2.9	69
58	Lipidomic Signature of Progression of Chronic Kidney Disease in the Chronic Renal Insufficiency Cohort. Kidney International Reports, 2016, 1, 256-268.	0.4	69
59	Reaction of hemoglobin with HOCl: Mechanism of heme destruction and free iron release. Free Radical Biology and Medicine, 2011, 51, 374-386.	1.3	68
60	Enrichment of Glycoproteins using Nanoscale Chelating Concanavalin A Monolithic Capillary Chromatography. Analytical Chemistry, 2009, 81, 3776-3783.	3.2	67
61	p-Hydroxyphenylacetaldehyde, an Aldehyde Generated by Myeloperoxidase, Modifies Phospholipid Amino Groups of Low Density Lipoprotein in Human Atherosclerotic Intima. Journal of Biological Chemistry, 2000, 275, 9957-9962.	1.6	64
62	The Macrophage Phagocytic Receptor CD36 Promotes Fibrogenic Pathways on Removal of Apoptotic Cells during Chronic Kidney Injury. American Journal of Pathology, 2015, 185, 2232-2245.	1.9	59
63	Mechanisms of oxidative stress in diabetes: implications for the pathogenesis of vascular disease and antioxidant therapy. Frontiers in Bioscience - Landmark, 2004, 9, 565.	3.0	59
64	Impact of Gestational Bisphenol A on Oxidative Stress and Free Fatty Acids: Human Association and Interspecies Animal Testing Studies. Endocrinology, 2015, 156, 911-922.	1.4	58
65	NADPH Oxidase of Neutrophils Elevates o,oâ€²-Dityrosine Cross-Links in Proteins and Urine during Inflammation. Archives of Biochemistry and Biophysics, 2001, 395, 69-77.	1.4	57
66	Acyl-CoA Synthetase 1 Is Induced by Gram-negative Bacteria and Lipopolysaccharide and Is Required for Phospholipid Turnover in Stimulated Macrophages. Journal of Biological Chemistry, 2013, 288, 9957-9970.	1.6	57
67	Decreased Nitric Oxide Bioavailability in a Mouse Model of Fabry Disease. Journal of the American Society of Nephrology: JASN, 2009, 20, 1975-1985.	3.0	56
68	High density lipoprotein is targeted for oxidation by myeloperoxidase in rheumatoid arthritis. Annals of the Rheumatic Diseases, 2013, 72, 1725-1731.	0.5	56
69	Angiotensin II Type 1A Receptors in Vascular Smooth Muscle Cells Do Not Influence Aortic Remodeling in Hypertension. Hypertension, 2011, 57, 577-585.	1.3	54
70	Reactive Carbonyls and Polyunsaturated Fatty Acids Produce a Hydroxyl Radical-like Species. Journal of Biological Chemistry, 2005, 280, 22706-22714.	1.6	53
71	Antioxidants Complement the Requirement for Protein Chaperone Function to Maintain Î²-Cell Function and Glucose Homeostasis. Diabetes, 2015, 64, 2892-2904.	0.3	53
72	Prediction and associations of preterm birth and its subtypes with eicosanoid enzymatic pathways and inflammatory markers. Scientific Reports, 2019, 9, 17049.	1.6	52

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73	The Management of Diabetic Neuropathy in CKD. American Journal of Kidney Diseases, 2010, 55, 365-385.	2.1	50
74	The Peroxisome Proliferator-Activated Receptor Î³ Agonist Pioglitazone Improves Cardiometabolic Risk and Renal Inflammation in Murine Lupus. Journal of Immunology, 2009, 183, 2729-2740.	0.4	49
75	The Metabolic Syndrome and Microvascular Complications in a Murine Model of Type 2 Diabetes. Diabetes, 2015, 64, 3294-3304.	0.3	49
76	Diabetic HDL Is Dysfunctional in Stimulating Endothelial Cell Migration and Proliferation Due to Down Regulation of SR-BI Expression. PLoS ONE, 2012, 7, e48530.	1.1	47
77	Deficiency of Cholesteryl Ester Transfer Protein Protects Against Atherosclerosis in Rabbits. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1068-1075.	1.1	47
78	Lipidomic approaches to dissect dysregulated lipid metabolism in kidney disease. Nature Reviews Nephrology, 2022, 18, 38-55.	4.1	46
79	Myeloperoxidase acts as a source of free iron during steady-state catalysis by a feedback inhibitory pathway. Free Radical Biology and Medicine, 2013, 63, 90-98.	1.3	45
80	Comparative RNAâ€Seq transcriptome analyses reveal distinct metabolic pathways in diabetic nerve and kidney disease. Journal of Cellular and Molecular Medicine, 2017, 21, 2140-2152.	1.6	45
81	Impact of maternal overweight and obesity on milk composition and infant growth. Maternal and Child Nutrition, 2020, 16, e12979.	1.4	45
82	Long-Chain Acyl Coenzyme A Synthetase 1 Overexpression in Primary Cultured Schwann Cells Prevents Long Chain Fatty Acid-Induced Oxidative Stress and Mitochondrial Dysfunction. Antioxidants and Redox Signaling, 2014, 21, 588-600.	2.5	44
83	Lupus high-density lipoprotein induces proinflammatory responses in macrophages by binding lectin-like oxidised low-density lipoprotein receptor 1 and failing to promote activating transcription factor 3 activity. Annals of the Rheumatic Diseases, 2017, 76, 602-611.	0.5	44
84	Quantitative Analysis of Amino Acid Oxidation Markers by Tandem Mass Spectrometry. Methods in Enzymology, 2011, 491, 73-89.	0.4	42
85	Impaired Amino Acid and TCA Metabolism and Cardiovascular Autonomic Neuropathy Progression in Type 1 Diabetes. Diabetes, 2019, 68, 2035-2044.	0.3	42
86	The reaction of HOCl and cyanocobalamin: Corrin destruction and the liberation of cyanogen chloride. Free Radical Biology and Medicine, 2012, 52, 616-625.	1.3	40
87	Distinct Lipidomic Landscapes Associated with Clinical Stages of Urothelial Cancer of the Bladder. European Urology Focus, 2018, 4, 907-915.	1.6	40
88	Inflammation, Hyperglycemia, and Adverse Outcomes in Individuals With Diabetes Mellitus Hospitalized for COVID-19. Diabetes Care, 2022, 45, 692-700.	4.3	40
89	Mechanism of hypochlorous acid-mediated heme destruction and free iron release. Free Radical Biology and Medicine, 2011, 51, 364-373.	1.3	38
90	Altered Metabolic Profile With Sodium-Restricted Dietary Approaches to Stop Hypertension Diet in Hypertensive Heart Failure With Preserved Ejection Fraction. Journal of Cardiac Failure, 2015, 21, 963-967.	0.7	38

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91	A novel anti-inflammatory mechanism of high density lipoprotein through up-regulating annexin A1 in vascular endothelial cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2016, 1861, 501-512.	1.2	38
92	Lipidomics and Biomarker Discovery in Kidney Disease. Seminars in Nephrology, 2018, 38, 127-141.	0.6	38
93	Shared and distinct lipid-lipid interactions in plasma and affected tissues in a diabetic mouse model. Journal of Lipid Research, 2018, 59, 173-183.	2.0	38
94	The Prevalence and Determinants of Cognitive Deficits and Traditional Diabetic Complications in the Severely Obese. Diabetes Care, 2020, 43, 683-690.	4.3	38
95	Kidney triglyceride accumulation in the fasted mouse is dependent upon serum free fatty acids. Journal of Lipid Research, 2017, 58, 1132-1142.	2.0	37
96	Host NLRP6 exacerbates graft-versus-host disease independent of gut microbial composition. Nature Microbiology, 2019, 4, 800-812.	5.9	36
97	Urine Glycoprotein Profile Reveals Novel Markers for Chronic Kidney Disease. International Journal of Proteomics, 2011, 2011, 1-18.	2.0	35
98	High-density lipoprotein nitration and chlorination catalyzed by myeloperoxidase impair its effect of promoting endothelial repair. Free Radical Biology and Medicine, 2013, 60, 272-281.	1.3	35
99	Sexually Dimorphic Impact of Chromium Accumulation on Human Placental Oxidative Stress and Apoptosis. Toxicological Sciences, 2018, 161, 375-387.	1.4	35
100	Application of an analytical framework for multivariate mediation analysis of environmental data. Nature Communications, 2020, 11, 5624.	5.8	35
101	Developmental Programming: Impact of Gestational Steroid and Metabolic Milieus on Mediators of Insulin Sensitivity in Prenatal Testosteroneâ€“Treated Female Sheep. Endocrinology, 2017, 158, 2783-2798.	1.4	34
102	DESI-MSI and METASPACE indicates lipid abnormalities and altered mitochondrial membrane components in diabetic renal proximal tubules. Metabolomics, 2020, 16, 11.	1.4	34
103	Hypochlorous Acid-Induced Heme Degradation from Lactoperoxidase as a Novel Mechanism of Free Iron Release and Tissue Injury in Inflammatory Diseases. PLoS ONE, 2011, 6, e27641.	1.1	34
104	Perspectives on Systems Biology Applications in Diabetic Kidney Disease. Journal of Cardiovascular Translational Research, 2012, 5, 491-508.	1.1	33
105	Association of Hypoalbuminemia With Osteoporosis: Analysis of the National Health and Nutrition Examination Survey. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 2468-2474.	1.8	33
106	Myeloperoxidase Levels and Its Product 3-Chlorotyrosine Predict Chronic Kidney Disease Severity and Associated Coronary Artery Disease. American Journal of Nephrology, 2017, 46, 73-81.	1.4	32
107	Gut Microbial Product Predicts Cardiovascular Risk in Chronic Kidney Disease Patients. American Journal of Nephrology, 2018, 48, 269-277.	1.4	32
108	Endothelial Acyl-CoA Synthetase 1 Is Not Required for Inflammatory and Apoptotic Effects of a Saturated Fatty Acid-Rich Environment. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 232-240.	1.1	31

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109	Alterations in the Ubiquitin Proteasome System in Persistent but Not Reversible Proteinuric Diseases. Journal of the American Society of Nephrology: JASN, 2014, 25, 2511-2525.	3.0	31
110	Hypoalbuminemia and Osteoporosis: Reappraisal of a Controversy. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 167-175.	1.8	31
111	Targeted Lipidomic and Transcriptomic Analysis Identifies Dysregulated Renal Ceramide Metabolism in a Mouse Model of Diabetic Kidney Disease. Journal of Proteomics and Bioinformatics, 2015, s14, .	0.4	30
112	Oxidative Modifications of Protein Tyrosyl Residues Are Increased in Plasma of Human Subjects with Interstitial Lung Disease. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 861-868.	2.5	30
113	Apolipoprotein A-1 mimetic peptide 4F promotes endothelial repairing and compromises reendothelialization impaired by oxidized HDL through SR-B1. Redox Biology, 2018, 15, 228-242.	3.9	30
114	TNF-Î± induces acyl-CoA synthetase 3 to promote lipid droplet formation in human endothelial cells. Journal of Lipid Research, 2020, 61, 33-44.	2.0	29
115	Therapeutic Lifestyle Changes Improve HDL Function by Inhibiting Myeloperoxidase-Mediated Oxidation in Patients With Metabolic Syndrome. Diabetes Care, 2018, 41, 2431-2437.	4.3	26
116	Differential network enrichment analysis reveals novel lipid pathways in chronic kidney disease. Bioinformatics, 2019, 35, 3441-3452.	1.8	26
117	Developmental programming: Prenatal bisphenol A treatment disrupts mediators of placental function in sheep. Chemosphere, 2020, 243, 125301.	4.2	26
118	Mass spectrometric quantification of amino acid oxidation products identifies oxidative mechanisms of diabetic end-organ damage. Reviews in Endocrine and Metabolic Disorders, 2008, 9, 275-287.	2.6	25
119	Myeloperoxidase-derived oxidants damage artery wall proteins in an animal model of chronic kidney diseaseâ€“accelerated atherosclerosis. Journal of Biological Chemistry, 2018, 293, 7238-7249.	1.6	25
120	mTORC1-Independent Reduction of Retinal Protein Synthesis in Type 1 Diabetes. Diabetes, 2014, 63, 3077-3090.	0.3	24
121	Maternal Exposure to Environmental Disruptors and Sexually Dimorphic Changes in Maternal and Neonatal Oxidative Stress. Journal of Clinical Endocrinology and Metabolism, 2020, 105, 492-505.	1.8	24
122	The Impact of Myeloperoxidase and Activated Macrophages on Metaphase II Mouse Oocyte Quality. PLoS ONE, 2016, 11, e0151160.	1.1	24
123	High density lipoprotein promotes proliferation of adipose-derived stem cells via S1P1 receptor and Akt, ERK1/2 signal pathways. Stem Cell Research and Therapy, 2015, 6, 95.	2.4	23
124	Aldose Reductase Acts as a Selective Derepressor of PPARÎ³ and the Retinoic Acid Receptor. Cell Reports, 2016, 15, 181-196.	2.9	23
125	Prenatal Testosterone Excess Disrupts Placental Function in a Sheep Model of Polycystic Ovary Syndrome. Endocrinology, 2019, 160, 2663-2672.	1.4	23
126	Lysine glycation of apolipoprotein A-I impairs its anti-inflammatory function in type 2 diabetes mellitus. Journal of Molecular and Cellular Cardiology, 2018, 122, 47-57.	0.9	22

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127	Elevated lipoxygenase and cytochrome P450 products predict progression of chronic kidney disease. Nephrology Dialysis Transplantation, 2020, 35, 303-312.	0.4	22
128	Circulating Free Fatty Acid and Phospholipid Signature Predicts Early Rapid Kidney Function Decline in Patients With Type 1 Diabetes. Diabetes Care, 2021, 44, 2098-2106.	4.3	22
129	Mitochondrial complex II in intestinal epithelial cells regulates T cell-mediated immunopathology. Nature Immunology, 2021, 22, 1440-1451.	7.0	22
130	Inflammatory stimuli induce acyl-CoA thioesterase 7 and remodeling of phospholipids containing unsaturated long (â‰¥C20)-acyl chains in macrophages. Journal of Lipid Research, 2017, 58, 1174-1185.	2.0	21
131	Asymmetrical flow field-flow fractionation for improved characterization of human plasma lipoproteins. Analytical and Bioanalytical Chemistry, 2019, 411, 777-786.	1.9	21
132	Myeloperoxidase mediated HDL oxidation and HDL proteome changes do not contribute to dysfunctional HDL in Chinese subjects with coronary artery disease. PLoS ONE, 2018, 13, e0193782.	1.1	20
133	Developmental programming: Changes in mediators of insulin sensitivity in prenatal bisphenol A-treated female sheep. Reproductive Toxicology, 2019, 85, 110-122.	1.3	20
134	Cross-Sectional Estimation of Endogenous Biomarker Associations with Prenatal Phenols, Phthalates, Metals, and Polycyclic Aromatic Hydrocarbons in Single-Pollutant and Mixtures Analysis Approaches. Environmental Health Perspectives, 2021, 129, 37007.	2.8	20
135	Impact of rosiglitazone and glyburide on nitrosative stress and myocardial blood flow regulation in type 2 diabetes mellitus. Metabolism: Clinical and Experimental, 2009, 58, 989-994.	1.5	19
136	Mitochondrial uncoupling has no effect on microvascular complications in type 2 diabetes. Scientific Reports, 2019, 9, 881.	1.6	19
137	Differential Effects of Empagliflozin on Microvascular Complications in Murine Models of Type 1 and Type 2 Diabetes. Biology, 2020, 9, 347.	1.3	19
138	Effect of Ambient Fine Particulate Matter Air Pollution and Colder Outdoor Temperatures on High-Density Lipoprotein Function. American Journal of Cardiology, 2018, 122, 565-570.	0.7	18
139	Direct Actions of AT ₁ (Type 1 Angiotensin) Receptors in Cardiomyocytes Do Not Contribute to Cardiac Hypertrophy. Hypertension, 2021, 77, 393-404.	1.3	16
140	Doseâ€dependent proteomic analysis of glioblastoma cancer stem cells upon treatment with Î³â€secretase inhibitor. Proteomics, 2011, 11, 4529-4540.	1.3	15
141	Structured lifestyle intervention in patients with the metabolic syndrome mitigates oxidative stress but fails to improve measures of cardiovascular autonomic neuropathy. Journal of Diabetes and Its Complications, 2017, 31, 1437-1443.	1.2	15
142	Application of differential mobility-mass spectrometry for untargeted human plasma metabolomic analysis. Analytical and Bioanalytical Chemistry, 2019, 411, 6297-6308.	1.9	15
143	Probing the application range and selectivity of a differential mobility spectrometryâ€“mass spectrometry platform for metabolomics. Analytical and Bioanalytical Chemistry, 2018, 410, 2865-2877.	1.9	14
144	Lipids and Cardiovascular Risk with CKD. Clinical Journal of the American Society of Nephrology: CJASN, 2020, 15, 5-7.	2.2	14

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145	Kinetic Studies on the Reaction between Dicyanocobinamide and Hypochlorous Acid. PLoS ONE, 2014, 9, e110595.	1.1	14
146	Altered HDL proteome predicts incident CVD in chronic kidney disease patients. Journal of Lipid Research, 2021, 62, 100135.	2.0	14
147	Short- and long-term effects of perinatal phthalate exposures on metabolic pathways in the mouse liver. Environmental Epigenetics, 2020, 6, dvaa017.	0.9	14
148	Unsupervised machine learning for identifying important visual features through bag-of-words using histopathology data from chronic kidney disease. Scientific Reports, 2022, 12, 4832.	1.6	14
149	Urinary Proteomics Identifies Cathepsin D as a Biomarker of Rapid eGFR Decline in Type 1 Diabetes. Diabetes Care, 2022, 45, 1416-1427.	4.3	14
150	How to find a prognostic biomarker for progressive diabetic nephropathy. Kidney International, 2013, 83, 996-998.	2.6	13
151	Disruption of heme-peptide covalent cross-linking in mammalian peroxidases by hypochlorous acid. Journal of Inorganic Biochemistry, 2014, 140, 245-254.	1.5	13
152	Left ventricular metabolism, function, and sympathetic innervation in men and women with type 1 diabetes. Journal of Nuclear Cardiology, 2016, 23, 960-969.	1.4	13
153	Melatonin Prevents Myeloperoxidase Heme Destruction and the Generation of Free Iron Mediated by Self-Generated Hypochlorous Acid. PLoS ONE, 2015, 10, e0120737.	1.1	13
154	Proposing a validation scheme for 13C metabolite tracer studies in high-resolution mass spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 3103-3113.	1.9	12
155	Unbiased Metabolic Profiling Uncovers a Crucial Role for the Microbial Metabolite Butyrate in Modulating GI Epithelial Cell Damage from Gvhd. Blood, 2014, 124, 536-536.	0.6	12
156	A Tripeptide Diapin Effectively Lowers Blood Glucose Levels in Male Type 2 Diabetes Mice by Increasing Blood Levels of Insulin and GLP-1. PLoS ONE, 2013, 8, e83509.	1.1	12
157	Metabolomic Profiling of Arginine Metabolome Links Altered Methylation to Chronic Kidney Disease Accelerated Atherosclerosis. Journal of Proteomics and Bioinformatics, 2015, s14, .	0.4	11
158	A Targeted Multiomics Approach to Identify Biomarkers Associated with Rapid eGFR Decline in Type 1 Diabetes. American Journal of Nephrology, 2020, 51, 839-848.	1.4	10
159	Gene expression profiles of diabetic kidney disease and neuropathy in eNOS knockout mice: Predictors of pathology and RAS blockade effects. FASEB Journal, 2021, 35, e21467.	0.2	10
160	Renin-angiotensin system inhibition reverses the altered triacylglycerol metabolic network in diabetic kidney disease. Metabolomics, 2021, 17, 65.	1.4	10
161	Consent for Genetic Biobanking in a Diverse Multisite CKD Cohort. Kidney International Reports, 2018, 3, 1267-1275.	0.4	9
162	Oxidative cross-linking of fibronectin confers protease resistance and inhibits cellular migration. Science Signaling, 2020, 13, .	1.6	8

#	Article	IF	Citations
163	Population-based comparison of chronic kidney disease prevalence and risk factors among adults living in the Punjab, Northern India and the USA (2013â€“2015). BMJ Open, 2020, 10, e040444.	0.8	7
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173	Oxidative Stress and Cardiovascular Fibrosis. , 2010, , 425-441.		2
174	Response to Comment on Mathew et al. Therapeutic Lifestyle Changes Improve HDL Function by Inhibiting Myeloperoxidase-Mediated Oxidation in Patients With Metabolic Syndrome. Diabetes Care 2018;41:2431â€“2437. Diabetes Care, 2019, 42, e26-e27.	4.3	0
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