

Subramaniam Pennathur

List of Publications by Citations

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169
papers

13,378
citations

54
h-index

113
g-index

178
ext. papers

15,485
ext. citations

7.6
avg, IF

6.12
L-index

#	Paper	IF	Citations
169	Metabolomic profiles delineate potential role for sarcosine in prostate cancer progression. <i>Nature</i> , 2009 , 457, 910-4	50.4	1636
168	NETs are a source of citrullinated autoantigens and stimulate inflammatory responses in rheumatoid arthritis. <i>Science Translational Medicine</i> , 2013 , 5, 178ra40	17.5	726
167	Shotgun proteomics implicates protease inhibition and complement activation in the antiinflammatory properties of HDL. <i>Journal of Clinical Investigation</i> , 2007 , 117, 746-56	15.9	713
166	NADPH oxidase-4 mediates myofibroblast activation and fibrogenic responses to lung injury. <i>Nature Medicine</i> , 2009 , 15, 1077-81	50.5	625
165	Antioxidants reduce endoplasmic reticulum stress and improve protein secretion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 18525-30	11.5	518
164	Chop deletion reduces oxidative stress, improves beta cell function, and promotes cell survival in multiple mouse models of diabetes. <i>Journal of Clinical Investigation</i> , 2008 , 118, 3378-89	15.9	514
163	Gut microbiome-derived metabolites modulate intestinal epithelial cell damage and mitigate graft-versus-host disease. <i>Nature Immunology</i> , 2016 , 17, 505-513	19.1	366
162	The myeloperoxidase product hypochlorous acid oxidizes HDL in the human artery wall and impairs ABCA1-dependent cholesterol transport. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 13032-7	11.5	360
161	Mass spectrometric quantification of markers for protein oxidation by tyrosyl radical, copper, and hydroxyl radical in low density lipoprotein isolated from human atherosclerotic plaques. <i>Journal of Biological Chemistry</i> , 1997 , 272, 3520-6	5.4	300
160	Translation attenuation through eIF2alpha phosphorylation prevents oxidative stress and maintains the differentiated state in beta cells. <i>Cell Metabolism</i> , 2009 , 10, 13-26	24.6	272
159	Detection of chronic kidney disease in patients with or at increased risk of cardiovascular disease: a science advisory from the American Heart Association Kidney And Cardiovascular Disease Council; the Councils on High Blood Pressure Research, Cardiovascular Disease in the Young, and Epidemiology and Prevention, and the Quality of Care and Outcomes Research Interdisciplinary	16.7	246
158	Evidence for a link between gut microbiota and hypertension in the Dahl rat. <i>Physiological Genomics</i> , 2015 , 47, 187-97	3.6	233
157	Human atherosclerotic intima and blood of patients with established coronary artery disease contain high density lipoprotein damaged by reactive nitrogen species. <i>Journal of Biological Chemistry</i> , 2004 , 279, 42977-83	5.4	223
156	Ablation of the inflammatory enzyme myeloperoxidase mitigates features of Parkinson's disease in mice. <i>Journal of Neuroscience</i> , 2005 , 25, 6594-600	6.6	216
155	Systematic evaluation of coding variation identifies a candidate causal variant in TM6SF2 influencing total cholesterol and myocardial infarction risk. <i>Nature Genetics</i> , 2014 , 46, 345-51	36.3	213
154	Mass spectrometric quantification of 3-nitrotyrosine, ortho-tyrosine, and o,oRdityrosine in brain tissue of 1-methyl-4-phenyl-1,2,3, 6-tetrahydropyridine-treated mice, a model of oxidative stress in Parkinson's disease. <i>Journal of Biological Chemistry</i> , 1999 , 274, 34621-8	5.4	212
153	Dyslipidemia-induced neuropathy in mice: the role of oxLDL/LOX-1. <i>Diabetes</i> , 2009 , 58, 2376-85	0.9	186

152	Diabetes promotes an inflammatory macrophage phenotype and atherosclerosis through acyl-CoA synthetase 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E715-24	11.5	179
151	Dietary cholesterol exacerbates hepatic steatosis and inflammation in obese LDL receptor-deficient mice. <i>Journal of Lipid Research</i> , 2011 , 52, 1626-35	6.3	160
150	Decreased glycolytic and tricarboxylic acid cycle intermediates coincide with peripheral nervous system oxidative stress in a murine model of type 2 diabetes. <i>Journal of Endocrinology</i> , 2013 , 216, 1-11	4.7	154
149	Uremic solutes and risk of end-stage renal disease in type 2 diabetes: metabolomic study. <i>Kidney International</i> , 2014 , 85, 1214-24	9.9	141
148	Neutrophil extracellular trap-derived enzymes oxidize high-density lipoprotein: an additional proatherogenic mechanism in systemic lupus erythematosus. <i>Arthritis and Rheumatology</i> , 2014 , 66, 2532-2544	9.5	134
147	Tissue-specific metabolic reprogramming drives nutrient flux in diabetic complications. <i>JCI Insight</i> , 2016 , 1, e86976	9.9	132
146	NADPH oxidase-derived reactive oxygen species increases expression of monocyte chemotactic factor genes in cultured adipocytes. <i>Journal of Biological Chemistry</i> , 2012 , 287, 10379-10393	5.4	130
145	Myeloperoxidase targets apolipoprotein A-I, the major high density lipoprotein protein, for site-specific oxidation in human atherosclerotic lesions. <i>Journal of Biological Chemistry</i> , 2012 , 287, 6375-6386	5.4	129
144	Mechanisms for oxidative stress in diabetic cardiovascular disease. <i>Antioxidants and Redox Signaling</i> , 2007 , 9, 955-69	8.4	124
143	A hydroxyl radical-like species oxidizes cynomolgus monkey artery wall proteins in early diabetic vascular disease. <i>Journal of Clinical Investigation</i> , 2001 , 107, 853-60	15.9	121
142	Oxidative stress and endothelial dysfunction in vascular disease. <i>Current Diabetes Reports</i> , 2007 , 7, 257-64	6.4	117
141	Metabolomics and diabetes: analytical and computational approaches. <i>Diabetes</i> , 2015 , 64, 718-32	0.9	110
140	Combined statin and niacin therapy remodels the high-density lipoprotein proteome. <i>Circulation</i> , 2008 , 118, 1259-67	16.7	109
139	CD36 regulates oxidative stress and inflammation in hypercholesterolemic CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 495-505	12.7	108
138	New insights into the mechanisms of diabetic complications: role of lipids and lipid metabolism. <i>Diabetologia</i> , 2019 , 62, 1539-1549	10.3	107
137	Type I interferons modulate vascular function, repair, thrombosis, and plaque progression in murine models of lupus and atherosclerosis. <i>Arthritis and Rheumatism</i> , 2012 , 64, 2975-85		102
136	Analytical approaches to metabolomics and applications to systems biology. <i>Seminars in Nephrology</i> , 2010 , 30, 500-11	4.8	98
135	Modifying apolipoprotein A-I by malondialdehyde, but not by an array of other reactive carbonyls, blocks cholesterol efflux by the ABCA1 pathway. <i>Journal of Biological Chemistry</i> , 2010 , 285, 18473-84	5.4	94

134	Hyperlipidemia in concert with hyperglycemia stimulates the proliferation of macrophages in atherosclerotic lesions: potential role of glucose-oxidized LDL. <i>Diabetes</i> , 2004 , 53, 3217-25	0.9	88
133	Marking renal injury: can we move beyond serum creatinine?. <i>Translational Research</i> , 2012 , 159, 277-89	11	81
132	Long-chain acyl-CoA synthetase 4 modulates prostaglandin E ₂ release from human arterial smooth muscle cells. <i>Journal of Lipid Research</i> , 2011 , 52, 782-93	6.3	79
131	Autophagy deficiency by hepatic FIP200 deletion uncouples steatosis from liver injury in NAFLD. <i>Molecular Endocrinology</i> , 2013 , 27, 1643-54		77
130	Myeloperoxidase generates 5-chlorouracil in human atherosclerotic tissue: a potential pathway for somatic mutagenesis by macrophages. <i>Journal of Biological Chemistry</i> , 2006 , 281, 3096-104	5.4	74
129	Impaired ω -Oxidation and Altered Complex Lipid Fatty Acid Partitioning with Advancing CKD. <i>Journal of the American Society of Nephrology: JASN</i> , 2018 , 29, 295-306	12.7	69
128	Potent antioxidative activity of lycopene: A potential role in scavenging hypochlorous acid. <i>Free Radical Biology and Medicine</i> , 2010 , 49, 205-13	7.8	67
127	Metabolomic profiling reveals a role for androgen in activating amino acid metabolism and methylation in prostate cancer cells. <i>PLoS ONE</i> , 2011 , 6, e21417	3.7	65
126	Mass Spectrometry Imaging Reveals Elevated Glomerular ATP/AMP in Diabetes/obesity and Identifies Sphingomyelin as a Possible Mediator. <i>EBioMedicine</i> , 2016 , 7, 121-34	8.8	65
125	Enrichment of glycoproteins using nanoscale chelating concanavalin A monolithic capillary chromatography. <i>Analytical Chemistry</i> , 2009 , 81, 3776-83	7.8	64
124	Rosiglitazone reduces renal and plasma markers of oxidative injury and reverses urinary metabolite abnormalities in the amelioration of diabetic nephropathy. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 295, F1071-81	4.3	63
123	The balance of powers: Redox regulation of fibrogenic pathways in kidney injury. <i>Redox Biology</i> , 2015 , 6, 495-504	11.3	60
122	Establishing 3-nitrotyrosine as a biomarker for the vasculopathy of Fabry disease. <i>Kidney International</i> , 2014 , 86, 58-66	9.9	57
121	p-hydroxyphenylacetaldehyde, an aldehyde generated by myeloperoxidase, modifies phospholipid amino groups of low density lipoprotein in human atherosclerotic intima. <i>Journal of Biological Chemistry</i> , 2000 , 275, 9957-62	5.4	57
120	Circulating Modified Metabolites and a Risk of ESRD in Patients With Type 1 Diabetes and Chronic Kidney Disease. <i>Diabetes Care</i> , 2017 , 40, 383-390	14.6	56
119	NADPH oxidase of neutrophils elevates α , ω -dityrosine cross-links in proteins and urine during inflammation. <i>Archives of Biochemistry and Biophysics</i> , 2001 , 395, 69-77	4.1	56
118	Testing the role of myeloid cell glucose flux in inflammation and atherosclerosis. <i>Cell Reports</i> , 2014 , 7, 356-365	10.6	55
117	Perhexiline activates KLF14 and reduces atherosclerosis by modulating ApoA-I production. <i>Journal of Clinical Investigation</i> , 2015 , 125, 3819-30	15.9	55

116	Evaluation of coverage, retention patterns, and selectivity of seven liquid chromatographic methods for metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 6079-91	4.4	55
115	Reaction of hemoglobin with HOCl: mechanism of heme destruction and free iron release. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 374-86	7.8	53
114	Urinary Polycyclic Aromatic Hydrocarbon Metabolite Associations with Biomarkers of Inflammation, Angiogenesis, and Oxidative Stress in Pregnant Women. <i>Environmental Science & Technology</i> , 2017 , 51, 4652-4660	10.3	52
113	Decreased nitric oxide bioavailability in a mouse model of Fabry disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2009 , 20, 1975-85	12.7	51
112	Reactive carbonyls and polyunsaturated fatty acids produce a hydroxyl radical-like species: a potential pathway for oxidative damage of retinal proteins in diabetes. <i>Journal of Biological Chemistry</i> , 2005 , 280, 22706-14	5.4	51
111	Lipidomic Signature of Progression of Chronic Kidney Disease in the Chronic Renal Insufficiency Cohort. <i>Kidney International Reports</i> , 2016 , 1, 256-268	4.1	50
110	Mechanisms of oxidative stress in diabetes: implications for the pathogenesis of vascular disease and antioxidant therapy. <i>Frontiers in Bioscience - Landmark</i> , 2004 , 9, 565-74	2.8	49
109	Angiotensin II type 1A receptors in vascular smooth muscle cells do not influence aortic remodeling in hypertension. <i>Hypertension</i> , 2011 , 57, 577-85	8.5	48
108	High density lipoprotein is targeted for oxidation by myeloperoxidase in rheumatoid arthritis. <i>Annals of the Rheumatic Diseases</i> , 2013 , 72, 1725-31	2.4	46
107	Soluble Urokinase Receptor (SuPAR) in COVID-19-Related AKI. <i>Journal of the American Society of Nephrology: JASN</i> , 2020 , 31, 2725-2735	12.7	45
106	Ambient Air Pollution Is Associated With HDL (High-Density Lipoprotein) Dysfunction in Healthy Adults. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 513-522	9.4	44
105	Impact of gestational bisphenol A on oxidative stress and free fatty acids: Human association and interspecies animal testing studies. <i>Endocrinology</i> , 2015 , 156, 911-22	4.8	44
104	The macrophage phagocytic receptor CD36 promotes fibrogenic pathways on removal of apoptotic cells during chronic kidney injury. <i>American Journal of Pathology</i> , 2015 , 185, 2232-45	5.8	42
103	The Metabolic Syndrome and Microvascular Complications in a Murine Model of Type 2 Diabetes. <i>Diabetes</i> , 2015 , 64, 3294-304	0.9	41
102	Acyl-CoA synthetase 1 is induced by Gram-negative bacteria and lipopolysaccharide and is required for phospholipid turnover in stimulated macrophages. <i>Journal of Biological Chemistry</i> , 2013 , 288, 9957-9970	5.4	41
101	COVID-19 and Diabetes: A Collision and Collusion of Two Diseases. <i>Diabetes</i> , 2020 , 69, 2549-2565	0.9	40
100	Antioxidants Complement the Requirement for Protein Chaperone Function to Maintain ECell Function and Glucose Homeostasis. <i>Diabetes</i> , 2015 , 64, 2892-904	0.9	39
99	The peroxisome proliferator-activated receptor gamma agonist pioglitazone improves cardiometabolic risk and renal inflammation in murine lupus. <i>Journal of Immunology</i> , 2009 , 183, 2729-40	5.3	39

98	Deficiency of Cholesteryl Ester Transfer Protein Protects Against Atherosclerosis in Rabbits. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 1068-1075	9.4	38
97	Quantitative analysis of amino Acid oxidation markers by tandem mass spectrometry. <i>Methods in Enzymology</i> , 2011 , 491, 73-89	1.7	37
96	The management of diabetic neuropathy in CKD. <i>American Journal of Kidney Diseases</i> , 2010 , 55, 365-85	7.4	37
95	Mechanism of hypochlorous acid-mediated heme destruction and free iron release. <i>Free Radical Biology and Medicine</i> , 2011 , 51, 364-73	7.8	36
94	Myeloperoxidase acts as a source of free iron during steady-state catalysis by a feedback inhibitory pathway. <i>Free Radical Biology and Medicine</i> , 2013 , 63, 90-8	7.8	35
93	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. <i>Annals of the Rheumatic Diseases</i> , 2017 , 76, 602-611	2.4	34
92	Diabetic HDL is dysfunctional in stimulating endothelial cell migration and proliferation due to down regulation of SR-BI expression. <i>PLoS ONE</i> , 2012 , 7, e48530	3.7	34
91	Comparative RNA-Seq transcriptome analyses reveal distinct metabolic pathways in diabetic nerve and kidney disease. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 2140-2152	5.6	33
90	Long-chain acyl coenzyme A synthetase 1 overexpression in primary cultured Schwann cells prevents long chain fatty acid-induced oxidative stress and mitochondrial dysfunction. <i>Antioxidants and Redox Signaling</i> , 2014 , 21, 588-600	8.4	32
89	The reaction of HOCl and cyanocobalamin: corrin destruction and the liberation of cyanogen chloride. <i>Free Radical Biology and Medicine</i> , 2012 , 52, 616-625	7.8	32
88	Increased lipogenesis and impaired oxidation predict type 2 diabetic kidney disease progression in American Indians. <i>JCI Insight</i> , 2019 , 4,	9.9	32
87	Glycine-based treatment ameliorates NAFLD by modulating fatty acid oxidation, glutathione synthesis, and the gut microbiome. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	32
86	Altered Metabolic Profile With Sodium-Restricted Dietary Approaches to Stop Hypertension Diet in Hypertensive Heart Failure With Preserved Ejection Fraction. <i>Journal of Cardiac Failure</i> , 2015 , 21, 963-7	3.3	30
85	Urine glycoprotein profile reveals novel markers for chronic kidney disease. <i>International Journal of Proteomics</i> , 2011 , 2011, 214715		30
84	High-density lipoprotein nitration and chlorination catalyzed by myeloperoxidase impair its effect of promoting endothelial repair. <i>Free Radical Biology and Medicine</i> , 2013 , 60, 272-81	7.8	28
83	Host NLRP6 exacerbates graft-versus-host disease independent of gut microbial composition. <i>Nature Microbiology</i> , 2019 , 4, 800-812	26.6	27
82	Distinct Lipidomic Landscapes Associated with Clinical Stages of Urothelial Cancer of the Bladder. <i>European Urology Focus</i> , 2018 , 4, 907-915	5.1	26
81	Oxidative Modifications of Protein Tyrosyl Residues Are Increased in Plasma of Human Subjects with Interstitial Lung Disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 193, 861-8	10.2	26

80	Myeloperoxidase Levels and Its Product 3-Chlorotyrosine Predict Chronic Kidney Disease Severity and Associated Coronary Artery Disease. <i>American Journal of Nephrology</i> , 2017 , 46, 73-81	4.6	26
79	Perspectives on systems biology applications in diabetic kidney disease. <i>Journal of Cardiovascular Translational Research</i> , 2012 , 5, 491-508	3.3	26
78	Hypochlorous acid-induced heme degradation from lactoperoxidase as a novel mechanism of free iron release and tissue injury in inflammatory diseases. <i>PLoS ONE</i> , 2011 , 6, e27641	3.7	26
77	Lipidomics and Biomarker Discovery in Kidney Disease. <i>Seminars in Nephrology</i> , 2018 , 38, 127-141	4.8	25
76	Kidney triglyceride accumulation in the fasted mouse is dependent upon serum free fatty acids. <i>Journal of Lipid Research</i> , 2017 , 58, 1132-1142	6.3	24
75	A novel anti-inflammatory mechanism of high density lipoprotein through up-regulating annexin A1 in vascular endothelial cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016 , 1861, 501-12	5	24
74	Developmental Programming: Impact of Gestational Steroid and Metabolic Milieus on Mediators of Insulin Sensitivity in Prenatal Testosterone-Treated Female Sheep. <i>Endocrinology</i> , 2017 , 158, 2783-2798	4.8	24
73	Endothelial acyl-CoA synthetase 1 is not required for inflammatory and apoptotic effects of a saturated fatty acid-rich environment. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 232-40	4.4	24
72	Prediction and associations of preterm birth and its subtypes with eicosanoid enzymatic pathways and inflammatory markers. <i>Scientific Reports</i> , 2019 , 9, 17049	4.9	24
71	Impact of maternal overweight and obesity on milk composition and infant growth. <i>Maternal and Child Nutrition</i> , 2020 , 16, e12979	3.4	22
70	Alterations in the ubiquitin proteasome system in persistent but not reversible proteinuric diseases. <i>Journal of the American Society of Nephrology: JASN</i> , 2014 , 25, 2511-25	12.7	22
69	Mass spectrometric quantification of amino acid oxidation products identifies oxidative mechanisms of diabetic end-organ damage. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2008 , 9, 275-87	10.5	22
68	Association of Hypoalbuminemia With Osteoporosis: Analysis of the National Health and Nutrition Examination Survey. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 2468-74	5.6	21
67	Gut Microbial Product Predicts Cardiovascular Risk in Chronic Kidney Disease Patients. <i>American Journal of Nephrology</i> , 2018 , 48, 269-277	4.6	21
66	Shared and distinct lipid-lipid interactions in plasma and affected tissues in a diabetic mouse model. <i>Journal of Lipid Research</i> , 2018 , 59, 173-183	6.3	20
65	Myeloperoxidase-derived oxidants damage artery wall proteins in an animal model of chronic kidney disease-accelerated atherosclerosis. <i>Journal of Biological Chemistry</i> , 2018 , 293, 7238-7249	5.4	19
64	Sexually Dimorphic Impact of Chromium Accumulation on Human Placental Oxidative Stress and Apoptosis. <i>Toxicological Sciences</i> , 2018 , 161, 375-387	4.4	19
63	mTORC1-independent reduction of retinal protein synthesis in type 1 diabetes. <i>Diabetes</i> , 2014 , 63, 3077-90	4.9	19

62	Targeted Lipidomic and Transcriptomic Analysis Identifies Dysregulated Renal Ceramide Metabolism in a Mouse Model of Diabetic Kidney Disease. <i>Journal of Proteomics and Bioinformatics</i> , 2015 , Suppl 14,	2.1	19
61	Apolipoprotein A-1 mimetic peptide 4F promotes endothelial repairing and compromises reendothelialization impaired by oxidized HDL through SR-B1. <i>Redox Biology</i> , 2018 , 15, 228-242	11.3	18
60	Impact of rosiglitazone and glyburide on nitrosative stress and myocardial blood flow regulation in type 2 diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , 2009 , 58, 989-94	12.7	18
59	Hypoalbuminemia and Osteoporosis: Reappraisal of a Controversy. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 167-75	5.6	17
58	Impaired Amino Acid and TCA Metabolism and Cardiovascular Autonomic Neuropathy Progression in Type 1 Diabetes. <i>Diabetes</i> , 2019 , 68, 2035-2044	0.9	17
57	Prenatal Testosterone Excess Disrupts Placental Function in a Sheep Model of Polycystic Ovary Syndrome. <i>Endocrinology</i> , 2019 , 160, 2663-2672	4.8	17
56	High density lipoprotein promotes proliferation of adipose-derived stem cells via S1P1 receptor and Akt, ERK1/2 signal pathways. <i>Stem Cell Research and Therapy</i> , 2015 , 6, 95	8.3	17
55	Inflammatory stimuli induce acyl-CoA thioesterase 7 and remodeling of phospholipids containing unsaturated long (C20)-acyl chains in macrophages. <i>Journal of Lipid Research</i> , 2017 , 58, 1174-1185	6.3	16
54	The Prevalence and Determinants of Cognitive Deficits and Traditional Diabetic Complications in the Severely Obese. <i>Diabetes Care</i> , 2020 , 43, 683-690	14.6	16
53	The Impact of Myeloperoxidase and Activated Macrophages on Metaphase II Mouse Oocyte Quality. <i>PLoS ONE</i> , 2016 , 11, e0151160	3.7	16
52	Aldose Reductase Acts as a Selective Derepressor of PPAR α and the Retinoic Acid Receptor. <i>Cell Reports</i> , 2016 , 15, 181-196	10.6	16
51	Asymmetrical flow field-flow fractionation for improved characterization of human plasma lipoproteins. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 777-786	4.4	16
50	Differential network enrichment analysis reveals novel lipid pathways in chronic kidney disease. <i>Bioinformatics</i> , 2019 , 35, 3441-3452	7.2	15
49	Therapeutic Lifestyle Changes Improve HDL Function by Inhibiting Myeloperoxidase-Mediated Oxidation in Patients With Metabolic Syndrome. <i>Diabetes Care</i> , 2018 , 41, 2431-2437	14.6	15
48	Dose-dependent proteomic analysis of glioblastoma cancer stem cells upon treatment with β -secretase inhibitor. <i>Proteomics</i> , 2011 , 11, 4529-40	4.8	14
47	Maternal Exposure to Environmental Disruptors and Sexually Dimorphic Changes in Maternal and Neonatal Oxidative Stress. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020 , 105,	5.6	14
46	Probing the application range and selectivity of a differential mobility spectrometry-mass spectrometry platform for metabolomics. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 2865-2877	4.4	13
45	Structured lifestyle intervention in patients with the metabolic syndrome mitigates oxidative stress but fails to improve measures of cardiovascular autonomic neuropathy. <i>Journal of Diabetes and Its Complications</i> , 2017 , 31, 1437-1443	3.2	12

44	DESI-MSI and METASPACE indicates lipid abnormalities and altered mitochondrial membrane components in diabetic renal proximal tubules. <i>Metabolomics</i> , 2020 , 16, 11	4.7	12
43	Lysine glycation of apolipoprotein A-I impairs its anti-inflammatory function in type 2 diabetes mellitus. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 122, 47-57	5.8	12
42	Myeloperoxidase mediated HDL oxidation and HDL proteome changes do not contribute to dysfunctional HDL in Chinese subjects with coronary artery disease. <i>PLoS ONE</i> , 2018 , 13, e0193782	3.7	12
41	Application of an analytical framework for multivariate mediation analysis of environmental data. <i>Nature Communications</i> , 2020 , 11, 5624	17.4	11
40	A tripeptide Diapin effectively lowers blood glucose levels in male type 2 diabetes mice by increasing blood levels of insulin and GLP-1. <i>PLoS ONE</i> , 2013 , 8, e83509	3.7	11
39	Melatonin prevents myeloperoxidase heme destruction and the generation of free iron mediated by self-generated hypochlorous acid. <i>PLoS ONE</i> , 2015 , 10, e0120737	3.7	11
38	TNF- α induces acyl-CoA synthetase 3 to promote lipid droplet formation in human endothelial cells. <i>Journal of Lipid Research</i> , 2020 , 61, 33-44	6.3	11
37	Mitochondrial uncoupling has no effect on microvascular complications in type 2 diabetes. <i>Scientific Reports</i> , 2019 , 9, 881	4.9	10
36	Application of differential mobility-mass spectrometry for untargeted human plasma metabolomic analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 6297-6308	4.4	10
35	Left ventricular metabolism, function, and sympathetic innervation in men and women with type 1 diabetes. <i>Journal of Nuclear Cardiology</i> , 2016 , 23, 960-969	2.1	10
34	Kinetic studies on the reaction between dicyanocobinamide and hypochlorous acid. <i>PLoS ONE</i> , 2014 , 9, e110595	3.7	10
33	Developmental programming: Prenatal bisphenol A treatment disrupts mediators of placental function in sheep. <i>Chemosphere</i> , 2020 , 243, 125301	8.4	10
32	Elevated lipoxygenase and cytochrome P450 products predict progression of chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2020 , 35, 303-312	4.3	10
31	Developmental programming: Changes in mediators of insulin sensitivity in prenatal bisphenol A-treated female sheep. <i>Reproductive Toxicology</i> , 2019 , 85, 110-122	3.4	9
30	How to find a prognostic biomarker for progressive diabetic nephropathy. <i>Kidney International</i> , 2013 , 83, 996-8	9.9	9
29	Effect of Ambient Fine Particulate Matter Air Pollution and Colder Outdoor Temperatures on High-Density Lipoprotein Function. <i>American Journal of Cardiology</i> , 2018 , 122, 565-570	3	8
28	Disruption of heme-peptide covalent cross-linking in mammalian peroxidases by hypochlorous acid. <i>Journal of Inorganic Biochemistry</i> , 2014 , 140, 245-54	4.2	8
27	Cross-Sectional Estimation of Endogenous Biomarker Associations with Prenatal Phenols, Phthalates, Metals, and Polycyclic Aromatic Hydrocarbons in Single-Pollutant and Mixtures Analysis Approaches. <i>Environmental Health Perspectives</i> , 2021 , 129, 37007	8.4	7

26	Direct Actions of AT (Type 1 Angiotensin) Receptors in Cardiomyocytes Do Not Contribute to Cardiac Hypertrophy. <i>Hypertension</i> , 2021 , 77, 393-404	8.5	7
25	Proposing a validation scheme for C metabolite tracer studies in high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 3103-3113	4.4	6
24	Mitochondrial complex II in intestinal epithelial cells regulates T cell-mediated immunopathology. <i>Nature Immunology</i> , 2021 , 22, 1440-1451	19.1	6
23	Lipidomic approaches to dissect dysregulated lipid metabolism in kidney disease. <i>Nature Reviews Nephrology</i> , 2021 ,	14.9	6
22	Oxidative cross-linking of fibronectin confers protease resistance and inhibits cellular migration. <i>Science Signaling</i> , 2020 , 13,	8.8	6
21	Differential Effects of Empagliflozin on Microvascular Complications in Murine Models of Type 1 and Type 2 Diabetes. <i>Biology</i> , 2020 , 9,	4.9	6
20	Circulating Free Fatty Acid and Phospholipid Signature Predicts Early Rapid Kidney Function Decline in Patients With Type 1 Diabetes. <i>Diabetes Care</i> , 2021 , 44, 2098-2106	14.6	6
19	Metabolomic Profiling of Arginine Metabolome Links Altered Methylation to Chronic Kidney Disease Accelerated Atherosclerosis. <i>Journal of Proteomics and Bioinformatics</i> , 2015 , Suppl 14,	2.1	5
18	Consent for Genetic Biobanking in a Diverse Multisite CKD Cohort. <i>Kidney International Reports</i> , 2018 , 3, 1267-1275	4.1	4
17	Unbiased Metabolic Profiling Uncovers a Crucial Role for the Microbial Metabolite Butyrate in Modulating GI Epithelial Cell Damage from Gvhd. <i>Blood</i> , 2014 , 124, 536-536	2.2	4
16	Gene expression profiles of diabetic kidney disease and neuropathy in eNOS knockout mice: Predictors of pathology and RAS blockade effects. <i>FASEB Journal</i> , 2021 , 35, e21467	0.9	4
15	Inflammation, Hyperglycemia, and Adverse Outcomes in Individuals With Diabetes Mellitus Hospitalized for COVID-19.. <i>Diabetes Care</i> , 2022 ,	14.6	3
14	Plasma lipidomic profiling identifies a novel complex lipid signature associated with ischemic stroke in chronic kidney disease. <i>Journal of Translational Science</i> , 2020 , 6,	2.2	3
13	Altered HDL Proteome Predicts Incident CVD in Chronic Kidney Disease Patients. <i>Journal of Lipid Research</i> , 2021 , 100135	6.3	3
12	A Targeted Multiomics Approach to Identify Biomarkers Associated with Rapid eGFR Decline in Type 1 Diabetes. <i>American Journal of Nephrology</i> , 2020 , 51, 839-848	4.6	3
11	Differential effects of minocycline on microvascular complications in murine models of type 1 and type 2 diabetes. <i>Journal of Translational Science</i> , 2021 , 7,	2.2	3
10	Application of a novel analytical pipeline for high-dimensional multivariate mediation analysis of environmental data		2
9	Renin-angiotensin system inhibition reverses the altered triacylglycerol metabolic network in diabetic kidney disease. <i>Metabolomics</i> , 2021 , 17, 65	4.7	2

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6	Quantitative analysis of β -glutamylisoleucine, β -glutamylthreonine, and β -glutamylvaline in HeLa cells using UHPLC-MS/MS. <i>Journal of Separation Science</i> , 2021 , 44, 2898-2907	3.4	1
5	Deletion of bone marrow myeloperoxidase attenuates chronic kidney disease accelerated atherosclerosis. <i>Journal of Biological Chemistry</i> , 2021 , 296, 100120	5.4	1
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3	Response to Comment on Mathew et al. Therapeutic Lifestyle Changes Improve HDL Function by Inhibiting Myeloperoxidase-Mediated Oxidation in Patients With Metabolic Syndrome. <i>Diabetes Care</i> 2018;41:2431-2437. <i>Diabetes Care</i> , 2019 , 42, e26-e27	14.6	
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