You-Lin Tain

List of Publications by Citations

257 papers	4,763 citations	38 h-index	49 g-index
290 ext. papers	6,082 ext. citations	4.8 avg, IF	6.46 L-index

#	Paper	IF	Citations
257	Toxic Dimethylarginines: Asymmetric Dimethylarginine (ADMA) and Symmetric Dimethylarginine (SDMA). *Toxins*, **2017**, 9,	4.9	123
256	Melatonin prevents hypertension and increased asymmetric dimethylarginine in young spontaneous hypertensive rats. *Journal of Pineal Research*, **2010**, 49, 390-8	10.4	75
255	Vitamin E reduces glomerulosclerosis, restores renal neuronal NOS, and suppresses oxidative stress in the 5/6 nephrectomized rat. *American Journal of Physiology - Renal Physiology*, **2007**, 292, F1404-10	4.3	72
254	Effects of maternal L-citrulline supplementation on renal function and blood pressure in offspring exposed to maternal caloric restriction: the impact of nitric oxide pathway. *Nitric Oxide - Biology and Chemistry*, **2010**, 23, 34-41	5	71
253	Determination of dimethylarginine dimethylaminohydrolase activity in the kidney. *Kidney International*, **2007**, 72, 886-9	9.9	65
252	Reprogramming: A Preventive Strategy in Hypertension Focusing on the Kidney. *International Journal of Molecular Sciences*, **2015**, 17,	6.3	63
251	Melatonin prevents maternal fructose intake-induced programmed hypertension in the offspring: roles of nitric oxide and arachidonic acid metabolites. *Journal of Pineal Research*, **2014**, 57, 80-9	10.4	60
250	Roles of melatonin in fetal programming in compromised pregnancies. *International Journal of Molecular Sciences*, **2013**, 14, 5380-401	6.3	60
249	Maternal Administration of Probiotic or Prebiotic Prevents Male Adult Rat Offspring against Developmental Programming of Hypertension Induced by High Fructose Consumption in Pregnancy and Lactation. *Nutrients*, **2018**, 10,	6.7	58
248	High Fat Diets Sex-Specifically Affect the Renal Transcriptome and Program Obesity, Kidney Injury, and Hypertension in the Offspring. *Nutrients*, **2017**, 9,	6.7	55
247	Melatonin blocks oxidative stress-induced increased asymmetric dimethylarginine. *Free Radical Biology and Medicine*, **2010**, 49, 1088-98	7.8	55
246	Asymmetric dimethylarginine is associated with developmental programming of adult kidney disease and hypertension in offspring of streptozotocin-treated mothers. *PLoS ONE*, **2013**, 8, e55420	3.7	54
245	Melatonin ameliorates bile duct ligation-induced systemic oxidative stress and spatial memory deficits in developing rats. *Pediatric Research*, **2009**, 65, 176-80	3.2	52
244	Regulation of Nitric Oxide Production in the Developmental Programming of Hypertension and Kidney Disease. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	51
243	Melatonin attenuates prenatal dexamethasone-induced blood pressure increase in a rat model. *Journal of the American Society of Hypertension*, **2014**, 8, 216-26		51
242	Incidence and Risks of Congenital Anomalies of Kidney and Urinary Tract in Newborns: A Population-Based Case-Control Study in Taiwan. *Medicine (United States)*, **2016**, 95, e2659	1.8	50
241	Melatonin utility in neonates and children. *Journal of the Formosan Medical Association*, **2012**, 111, 57-66	3.2	50

240	Interplay between Oxidative Stress and Nutrient Sensing Signaling in the Developmental Origins of Cardiovascular Disease. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	49
239	Developmental Origins of Chronic Kidney Disease: Should We Focus on Early Life?. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	48
238	Cost-effectiveness Analysis for Genotyping before Allopurinol Treatment to Prevent Severe Cutaneous Adverse Drug Reactions. *Journal of Rheumatology*, **2017**, 44, 835-843	4.1	47
237	Maternal citrulline supplementation prevents prenatal dexamethasone-induced programmed hypertension. *Free Radical Research*, **2014**, 48, 580-6	4	46
236	Melatonin therapy prevents programmed hypertension and nitric oxide deficiency in offspring exposed to maternal caloric restriction. *Oxidative Medicine and Cellular Longevity*, **2014**, 2014, 283180	6.7	46
235	Asymmetric dimethylarginine: clinical applications in pediatric medicine. *Journal of the Formosan Medical Association*, **2011**, 110, 70-7	3.2	46
234	Roles of nitric oxide and asymmetric dimethylarginine in pregnancy and fetal programming. *International Journal of Molecular Sciences*, **2012**, 13, 14606-22	6.3	46
233	Resveratrol ameliorates maternal and post-weaning high-fat diet-induced nonalcoholic fatty liver disease via renin-angiotensin system. *Lipids in Health and Disease*, **2018**, 17, 178	4.4	45
232	Resveratrol Prevents the Development of Hypertension Programmed by Maternal Plus Post-Weaning High-Fructose Consumption through Modulation of Oxidative Stress, Nutrient-Sensing Signals, and Gut Microbiota. *Molecular Nutrition and Food Research*, **2018**, 62, e1800066	5.9	44
231	PPARs Link Early Life Nutritional Insults to Later Programmed Hypertension and Metabolic Syndrome. *International Journal of Molecular Sciences*, **2015**, 17,	6.3	44
230	Melatonin prevents neonatal dexamethasone induced programmed hypertension: histone deacetylase inhibition. *Journal of Steroid Biochemistry and Molecular Biology*, **2014**, 144 Pt B, 253-9	5.1	43
229	Maternal fructose-intake-induced renal programming in adult male offspring. *Journal of Nutritional Biochemistry*, **2015**, 26, 642-50	6.3	43
228	Incidence, Outcomes, and Risk Factors of Community-Acquired and Hospital-Acquired Acute Kidney Injury: A Retrospective Cohort Study. *Medicine (United States)*, **2016**, 95, e3674	1.8	43
227	Maternal melatonin or N-acetylcysteine therapy regulates hydrogen sulfide-generating pathway and renal transcriptome to prevent prenatal N-Nitro-L-arginine-methyl ester (L-NAME)-induced fetal programming of hypertension in adult male offspring. *American Journal of Obstetrics and Gynecology*, **2016**, 215, 636.e1-636.e12	6.4	42
226	The Good, the Bad, and the Ugly of Pregnancy Nutrients and Developmental Programming of Adult Disease. *Nutrients*, **2019**, 11,	6.7	41
225	Developmental Programming of Adult Disease: Reprogramming by Melatonin?. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	41
224	Two different approaches to restore renal nitric oxide and prevent hypertension in young spontaneously hypertensive rats: l-citrulline and nitrate. *Translational Research*, **2014**, 163, 43-52	11	41
223	Targeting on Asymmetric Dimethylarginine-Related Nitric Oxide-Reactive Oxygen Species Imbalance to Reprogram the Development of Hypertension. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	41

222	Hypertension Programmed by Perinatal High-Fat Diet: Effect of Maternal Gut Microbiota-Targeted Therapy. *Nutrients*, **2019**, 11,	6.7	39
221	The Effects of Resveratrol in the Treatment of Metabolic Syndrome. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	38
220	The interaction between high ammonia diet and bile duct ligation in developing rats: assessment by spatial memory and asymmetric dimethylarginine. *International Journal of Developmental Neuroscience*, **2010**, 28, 169-74	2.7	38
219	AMP-Activated Protein Kinase as a Reprogramming Strategy for Hypertension and Kidney Disease of Developmental Origin. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	37
218	Resveratrol prevents the combined maternal plus postweaning high-fat-diets-induced hypertension in male offspring. *Journal of Nutritional Biochemistry*, **2017**, 48, 120-127	6.3	37
217	Renal Transcriptome Analysis of Programmed Hypertension Induced by Maternal Nutritional Insults. *International Journal of Molecular Sciences*, **2015**, 16, 17826-37	6.3	37
216	Splice variants of neuronal nitric oxide synthase are present in the rat kidney. *Nephrology Dialysis Transplantation*, **2009**, 24, 1422-8	4.3	37
215	Maternal N-acetylcysteine therapy regulates hydrogen sulfide-generating pathway and prevents programmed hypertension in male offspring exposed to prenatal dexamethasone and postnatal high-fat diet. *Nitric Oxide - Biology and Chemistry*, **2016**, 53, 6-12	5	36
214	Transcriptional regulation of programmed hypertension by melatonin: an epigenetic perspective. *International Journal of Molecular Sciences*, **2014**, 15, 18484-95	6.3	36
213	Microbiological spectrum of septicemia and peritonitis in nephrotic children. *Pediatric Nephrology*, **1999**, 13, 835-7	3.2	36
212	Transcriptome analysis in rat kidneys: importance of genes involved in programmed hypertension. *International Journal of Molecular Sciences*, **2015**, 16, 4744-58	6.3	35
211	Maternal Melatonin Therapy Rescues Prenatal Dexamethasone and Postnatal High-Fat Diet Induced Programmed Hypertension in Male Rat Offspring. *Frontiers in Physiology*, **2015**, 6, 377	4.6	35
210	Targeting on Gut Microbial Metabolite Trimethylamine-N-Oxide and Short-Chain Fatty Acid to Prevent Maternal High-Fructose-Diet-Induced Developmental Programming of Hypertension in Adult Male Offspring. *Molecular Nutrition and Food Research*, **2019**, 63, e1900073	5.9	34
209	Sensory dysfunction of bladder mucosa and bladder oversensitivity in a rat model of metabolic syndrome. *PLoS ONE*, **2012**, 7, e45578	3.7	34
208	Prenatal stress in rat causes long-term spatial memory deficit and hippocampus MRI abnormality: differential effects of postweaning enriched environment. *Neurochemistry International*, **2011**, 58, 434-41	4.4	34
207	Melatonin prevents increased asymmetric dimethylarginine in young rats with bile duct ligation. *Journal of Pineal Research*, **2010**, 48, 212-221	10.4	33
206	Prenatal dexamethasone-induced programmed hypertension and renal programming. *Life Sciences*, **2015**, 132, 41-8	6.8	32
205	N-acetylcysteine prevents hypertension via regulation of the ADMA-DDAH pathway in young spontaneously hypertensive rats. *BioMed Research International*, **2013**, 2013, 696317	3	32

204	Bile duct ligation in developing rats: temporal progression of liver, kidney, and brain damage. *Journal of Pediatric Surgery*, **2010**, 45, 1650-8	2.6	32
203	Aliskiren in early postnatal life prevents hypertension and reduces asymmetric dimethylarginine in offspring exposed to maternal caloric restriction. *JRAAS - Journal of the Renin-Angiotensin-Aldosterone System*, **2015**, 16, 506-13	3	31
202	Maternal citrulline supplementation prevents prenatal N(G)-nitro-L-arginine-methyl ester (L-NAME)-induced programmed hypertension in rats. *Biology of Reproduction*, **2015**, 92, 7	3.9	31
201	The combined ratios of L-arginine and asymmetric and symmetric dimethylarginine as biomarkers in spontaneously hypertensive rats. *Translational Research*, **2012**, 159, 90-8	11	31
200	Resveratrol prevents combined prenatal N-nitro-L-arginine-methyl ester (L-NAME) treatment plus postnatal high-fat diet induced programmed hypertension in adult rat offspring: interplay between nutrient-sensing signals, oxidative stress and gut microbiota. *Journal of Nutritional Biochemistry*, **2019**, 70, 28-37	6.3	30
199	Metformin reduces asymmetric dimethylarginine and prevents hypertension in spontaneously hypertensive rats. *Translational Research*, **2014**, 164, 452-9	11	30
198	Effects of AST-120 on blood concentrations of protein-bound uremic toxins and biomarkers of cardiovascular risk in chronic dialysis patients. *Blood Purification*, **2014**, 37, 76-83	3.1	30
197	High salt exacerbates programmed hypertension in maternal fructose-fed male offspring. *Nutrition, Metabolism and Cardiovascular Diseases*, **2015**, 25, 1146-51	4.5	28
196	Restoration of asymmetric dimethylarginine-nitric oxide balance to prevent the development of hypertension. *International Journal of Molecular Sciences*, **2014**, 15, 11773-82	6.3	28
195	Aliskiren Administration during Early Postnatal Life Sex-Specifically Alleviates Hypertension Programmed by Maternal High Fructose Consumption. *Frontiers in Physiology*, **2016**, 7, 299	4.6	28
194	Maternal Resveratrol Therapy Protects Male Rat Offspring against Programmed Hypertension Induced by TCDD and Dexamethasone Exposures: Is It Relevant to Aryl Hydrocarbon Receptor?. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	28
193	Maternal Exposure to Bisphenol A Combined with High-Fat Diet-Induced Programmed Hypertension in Adult Male Rat Offspring: Effects of Resveratrol. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	27
192	Targeting arachidonic acid pathway to prevent programmed hypertension in maternal fructose-fed male adult rat offspring. *Journal of Nutritional Biochemistry*, **2016**, 38, 86-92	6.3	26
191	Combined maternal and postnatal high-fat diet leads to metabolic syndrome and is effectively reversed by resveratrol: a multiple-organ study. *Scientific Reports*, **2018**, 8, 5607	4.9	25
190	Maternal High Fructose Intake Increases the Vulnerability to Post-Weaning High-Fat Diet-Induced Programmed Hypertension in Male Offspring. *Nutrients*, **2018**, 10,	6.7	25
189	Hydrogen Sulfide in Hypertension and Kidney Disease of Developmental Origins. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	23
188	Alterations in NADPH oxidase expression and blood-brain barrier in bile duct ligation-treated young rats: effects of melatonin. *Neurochemistry International*, **2012**, 60, 751-8	4.4	23
187	Glyceraldehyde-3-phosphate dehydrogenase is a reliable internal control in Western blot analysis of leukocyte subpopulations from children. *Analytical Biochemistry*, **2011**, 413, 24-9	3.1	23

186	Developmental Programming of the Metabolic Syndrome: Can We Reprogram with Resveratrol?. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	23
185	Early Supplementation of d-Cysteine or l-Cysteine Prevents Hypertension and Kidney Damage in Spontaneously Hypertensive Rats Exposed to High-Salt Intake. *Molecular Nutrition and Food Research*, **2018**, 62, 1700596	5.9	22
184	Environmental stimulation rescues maternal high fructose intake-impaired learning and memory in female offspring: Its correlation with redistribution of histone deacetylase 4. *Neurobiology of Learning and Memory*, **2016**, 130, 105-17	3.1	22
183	Homocysteine and Arginine-to-Asymmetric Dimethylarginine Ratio Associated With Blood Pressure Abnormalities in Children With Early Chronic Kidney Disease. *Circulation Journal*, **2015**, 79, 2031-7	2.9	22
182	Prenatal dexamethasone exposure in rats results in long-term epigenetic histone modifications and tumour necrosis factor-□production decrease. *Immunology*, **2014**, 143, 651-60	7.8	22
181	Melatonin in the regulation of liver steatosis following prenatal glucocorticoid exposure. *BioMed Research International*, **2014**, 2014, 942172	3	22
180	Thalamic stroke secondary to straight sinus thrombosis in a nephrotic child. *Pediatric Nephrology*, **2002**, 17, 184-6	3.2	22
179	Implications of serum TNF-beta and IL-13 in the treatment response of childhood nephrotic syndrome. *Cytokine*, **2003**, 21, 155-9	4	22
178	Maternal Fructose Intake Affects Transcriptome Changes and Programmed Hypertension in Offspring in Later Life. *Nutrients*, **2016**, 8,	6.7	22
177	Early short-term treatment with exogenous hydrogen sulfide postpones the transition from prehypertension to hypertension in spontaneously hypertensive rat. *Clinical and Experimental Hypertension*, **2018**, 40, 58-64	2.2	21
176	Effects of melatonin on prenatal dexamethasone-induced epigenetic alterations in hippocampal morphology and reelin and glutamic acid decarboxylase 67 levels. *Developmental Neuroscience*, **2015**, 37, 105-14	2.2	21
175	Fish omega-3 fatty acids induce liver fibrosis in the treatment of bile duct-ligated rats. *Digestive Diseases and Sciences*, **2013**, 58, 440-7	4	21
174	N-Acetylcysteine Prevents Programmed Hypertension in Male Rat Offspring Born to Suramin-Treated Mothers. *Biology of Reproduction*, **2016**, 95, 8	3.9	21
173	Maternal Melatonin Therapy Attenuates Methyl-Donor Diet-Induced Programmed Hypertension in Male Adult Rat Offspring. *Nutrients*, **2018**, 10,	6.7	21
172	The Interplay between Maternal and Post-Weaning High-Fat Diet and Gut Microbiota in the Developmental Programming of Hypertension. *Nutrients*, **2019**, 11,	6.7	20
171	Gut Microbiota-Dependent Trimethylamine -Oxide Pathway Associated with Cardiovascular Risk in Children with Early-Stage Chronic Kidney Disease. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	20
170	A maternal high-fat diet during pregnancy and lactation, in addition to a postnatal high-fat diet, leads to metabolic syndrome with spatial learning and memory deficits: beneficial effects of resveratrol. *Oncotarget*, **2017**, 8, 111998-112013	3.3	19
169	Translational insights on developmental origins of□metabolic syndrome: Focus on fructose consumption. *Biomedical Journal*, **2018**, 41, 96-101	7.1	19

168	Aliskiren prevents hypertension and reduces asymmetric dimethylarginine in young spontaneously hypertensive rats. *European Journal of Pharmacology*, **2011**, 670, 561-5	5.3	19
167	Targeting the Renin-Angiotensin-Aldosterone System to Prevent Hypertension and Kidney Disease of Developmental Origins. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	19
166	Postnatal dexamethasone-induced programmed hypertension is related to the regulation of melatonin and its receptors. *Steroids*, **2016**, 108, 1-6	2.8	18
165	Impact of Arginine Nutrition and Metabolism during Pregnancy on Offspring Outcomes. *Nutrients*, **2019**, 11,	6.7	18
164	Prenatal Dexamethasone Exposure Programs the Development of the Pancreas and the Secretion of Insulin in Rats. *Pediatrics and Neonatology*, **2017**, 58, 135-144	1.8	18
163	Developmental Origins of Kidney Disease: Why Oxidative Stress Matters?. *Antioxidants*, **2020**, 10,	7.1	18
162	Maternal Adenine-Induced Chronic Kidney Disease Programs Hypertension in Adult Male Rat Offspring: Implications of Nitric Oxide and Gut Microbiome Derived Metabolites. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	18
161	Programming Effects of Prenatal Glucocorticoid Exposure with a Postnatal High-Fat Diet in Diabetes Mellitus. *International Journal of Molecular Sciences*, **2016**, 17, 533	6.3	18
160	Prenatal dexamethasone and postnatal high-fat diet have a synergistic effect of elevating blood pressure through a distinct programming mechanism of systemic and adipose renin-angiotensin systems. *Lipids in Health and Disease*, **2018**, 17, 50	4.4	17
159	Protection of Male Rat Offspring against Hypertension Programmed by Prenatal Dexamethasone Administration and Postnatal High-Fat Diet with the Nrf2 Activator Dimethyl Fumarate during Pregnancy. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	17
158	Maternal melatonin or agomelatine therapy prevents programmed hypertension in male offspring of mother exposed to continuous light. *Biology of Reproduction*, **2017**, 97, 636-643	3.9	17
157	Increased circulatory asymmetric dimethylarginine and multiple organ failure: bile duct ligation in rat as a model. *International Journal of Molecular Sciences*, **2014**, 15, 3989-4006	6.3	17
156	Urinary arginine methylation index associated with ambulatory blood pressure abnormalities in children with chronic kidney disease. *Journal of the American Society of Hypertension*, **2012**, 6, 385-92		17
155	Melatonin regulates L-arginine transport and NADPH oxidase in young rats with bile duct ligation: role of protein kinase C. *Pediatric Research*, **2013**, 73, 395-401	3.2	17
154	DOCA/NaCl-induced chronic kidney disease: a comparison of renal nitric oxide production in resistant and susceptible rat strains. *American Journal of Physiology - Renal Physiology*, **2007**, 292, F192-6	4.3	17
153	Renal pelvic wall thickening in childhood urinary tract infections--evidence of acute pyelitis or vesicoureteral reflux?. *Scandinavian Journal of Urology and Nephrology*, **2003**, 37, 28-30		17
152	L-Arginine modulates neonatal lymphocyte proliferation through an interleukin-2 independent pathway. *Immunology*, **2014**, 143, 184-92	7.8	16
151	Long-term effects of maternal citrulline supplementation on renal transcriptome prevention of nitric oxide depletion-related programmed hypertension: the impact of gene-nutrient interactions. *International Journal of Molecular Sciences*, **2014**, 15, 23255-68	6.3	16

150	Apocynin attenuates oxidative stress and hypertension in young spontaneously hypertensive rats independent of ADMA/NO pathway. *Free Radical Research*, **2012**, 46, 68-76	4	16
149	Renal cortex neuronal nitric oxide synthase in response to rapamycin in kidney transplantation. *Nitric Oxide - Biology and Chemistry*, **2008**, 18, 80-6	5	16
148	Early Origins of Hypertension: Should Prevention Start Before Birth Using Natural Antioxidants?. *Antioxidants*, **2020**, 9,	7.1	16
147	The Double-Edged Sword Effects of Maternal Nutrition in the Developmental Programming of Hypertension. *Nutrients*, **2018**, 10,	6.7	16
146	Early Postweaning Treatment with Dimethyl Fumarate Prevents Prenatal Dexamethasone- and Postnatal High-Fat Diet-Induced Programmed Hypertension in Male Rat Offspring. *Oxidative Medicine and Cellular Longevity*, **2018**, 2018, 5343462	6.7	16
145	Biochemical basis for pharmacological intervention as a reprogramming strategy against hypertension and kidney disease of developmental origin. *Biochemical Pharmacology*, **2018**, 153, 82-90	6	15
144	Ba-Wei-Die-Huang-Wan (Hachimi-jio-gan) can ameliorate cyclophosphamide-induced ongoing bladder overactivity and acidic adenosine triphosphate solution-induced hyperactivity on rats prestimulated bladder. *Journal of Ethnopharmacology*, **2016**, 184, 1-9	5	15
143	Blood Pressure Abnormalities Associated with Gut Microbiota-Derived Short Chain Fatty Acids in Children with Congenital Anomalies of the Kidney and Urinary Tract. *Journal of Clinical Medicine*, **2019**, 8,	5.1	15
142	Renoprotective effects of melatonin in young spontaneously hypertensive rats with L-NAME. *Pediatrics and Neonatology*, **2014**, 55, 189-95	1.8	15
141	High citrulline-to-arginine ratio associated with blood pressure abnormalities in children with early chronic kidney disease. *Circulation Journal*, **2013**, 77, 181-7	2.9	15
140	Implication of serum IgE in childhood nephrotic syndrome. *Pediatric Nephrology*, **2003**, 18, 1211-5	3.2	15
139	Melatonin Alleviates Liver Apoptosis in Bile Duct Ligation Young Rats. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	15
138	Sex differences in renal transcriptome and programmed hypertension in offspring exposed to prenatal dexamethasone. *Steroids*, **2016**, 115, 40-46	2.8	15
137	Perinatal Resveratrol Therapy Prevents Hypertension Programmed by Maternal Chronic Kidney Disease in Adult Male Offspring: Implications of the Gut Microbiome and Their Metabolites. *Biomedicines*, **2020**, 8,	4.8	14
136	Light and Circadian Signaling Pathway in Pregnancy: Programming of Adult Health and Disease. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	14
135	Aminoguanidine attenuates hypertension, whereas 7-nitroindazole exacerbates kidney damage in spontaneously hypertensive rats: the role of nitric oxide. *European Journal of Pharmacology*, **2013**, 699, 233-40	5.3	14
134	Machine Learning Model for Risk Prediction of Community-Acquired Acute Kidney Injury Hospitalization From Electronic Health Records: Development and Validation Study. *Journal of Medical Internet Research*, **2020**, 22, e16903	7.6	14
133	Perinatal Use of Melatonin for Offspring Health: Focus on Cardiovascular and Neurological Diseases. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	14

132	The Association between Nitric Oxide Pathway, Blood Pressure Abnormalities, and Cardiovascular Risk Profile in Pediatric Chronic Kidney Disease. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	13
131	Maternal Tryptophan Supplementation Protects Adult Rat Offspring against Hypertension Programmed by Maternal Chronic Kidney Disease: Implication of Tryptophan-Metabolizing Microbiome and Aryl Hydrocarbon Receptor. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	13
130	Clinical characteristics and prevalence of complications of chronic kidney disease in children: the Taiwan Pediatric Renal Collaborative study. *Pediatric Nephrology*, **2016**, 31, 1113-20	3.2	13
129	Arginine and asymmetric dimethylarginine in puromycin aminonucleoside-induced chronic kidney disease in the rat. *American Journal of Nephrology*, **2012**, 35, 40-8	4.6	13
128	Maternal N-Acetylcysteine Therapy Prevents Hypertension in Spontaneously Hypertensive Rat Offspring: Implications of Hydrogen Sulfide-Generating Pathway and Gut Microbiota. *Antioxidants*, **2020**, 9,	7.1	13
127	Maternal Garlic Oil Supplementation Prevents High-Fat Diet-Induced Hypertension in Adult Rat Offspring: Implications of H2S-Generating Pathway in the Gut and Kidneys. *Molecular Nutrition and Food Research*, **2021**, 65, e2001116	5.9	13
126	Postnatal High-Fat Diet Increases Liver Steatosis and Apoptosis Threatened by Prenatal Dexamethasone through the Oxidative Effect. *International Journal of Molecular Sciences*, **2016**, 17, 369	6.3	13
125	Resveratrol Treatment Ameliorates Leptin Resistance and Adiposity Programed by the Combined Effect of Maternal and Post-Weaning High-Fat Diet. *Molecular Nutrition and Food Research*, **2019**, 63, e1801385	5.9	12
124	Maternal high-fat diet sex-specifically alters placental morphology and transcriptome in rats: Assessment by next-generation sequencing. *Placenta*, **2019**, 78, 44-53	3.4	12
123	Prenatal Metformin Therapy Attenuates Hypertension of Developmental Origin in Male Adult Offspring Exposed to Maternal High-Fructose and Post-Weaning High-Fat Diets. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	12
122	Maternal Melatonin Therapy Attenuated Maternal High-Fructose Combined with Post-Weaning High-Salt Diets-Induced Hypertension in Adult Male Rat Offspring. *Molecules*, **2018**, 23,	4.8	12
121	Common carotid artery intima-media thickness is useful for diagnosis of the acute stage of Kawasaki disease. *BMC Pediatrics*, **2014**, 14, 98	2.6	12
120	Sex differences of oxidative stress to cholestatic liver and kidney injury in young rats. *Pediatrics and Neonatology*, **2013**, 54, 95-101	1.8	12
119	Resveratrol treatment improves the altered metabolism and related dysbiosis of gut programed by prenatal high-fat diet and postnatal high-fat diet exposure. *Journal of Nutritional Biochemistry*, **2020**, 75, 108260	6.3	12
118	Combined Intraperitoneal and Intrathecal Etanercept Reduce Increased Brain Tumor Necrosis Factor-Alpha and Asymmetric Dimethylarginine Levels and Rescues Spatial Deficits in Young Rats after Bile Duct Ligation. *Frontiers in Cellular Neuroscience*, **2016**, 10, 167	6.1	12
117	Association of Trimethylamine, Trimethylamine N-oxide, and Dimethylamine with Cardiovascular Risk in Children with Chronic Kidney Disease. *Journal of Clinical Medicine*, **2020**, 9,	5.1	11
116	Oral pioglitazone ameliorates fructose-induced peripheral insulin resistance and hippocampal gliosis but not restores inhibited hippocampal adult neurogenesis. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2018**, 1864, 274-285	6.9	11
115	Low urinary citrulline/arginine ratio associated with blood pressure abnormalities and arterial stiffness in childhood chronic kidney disease. *Journal of the American Society of Hypertension*, **2016**, 10, 115-23		11

114	Reciprocal changes of renal neuronal nitric oxide synthase-□and -□associated with renal progression in a neonatal 5/6 nephrectomized rat model. *Pediatrics and Neonatology*, **2011**, 52, 66-72	1.8	11
113	Chronic nitric oxide deficiency and progression of kidney disease after renal mass reduction in the C57Bl6 mouse. *American Journal of Nephrology*, **2010**, 32, 575-80	4.6	11
112	Dissecting the causes of oxidative stress in an in vivo model of hypertension. *Hypertension*, **2006**, 48, 828-9	8.5	11
111	Targeting on Gut Microbiota-Derived Metabolite Trimethylamine to Protect Adult Male Rat Offspring against Hypertension Programmed by Combined Maternal High-Fructose Intake and Dioxin Exposure. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	11
110	Synthesis and Characterization of Novel Resveratrol Butyrate Esters That Have the Ability to Prevent Fat Accumulation in a Liver Cell Culture Model. *Molecules*, **2020**, 25,	4.8	11
109	Preventing Developmental Origins of Cardiovascular Disease: Hydrogen Sulfide as a Potential Target?. *Antioxidants*, **2021**, 10,	7.1	11
108	Effects of high fructose intake on the development of hypertension in the spontaneously hypertensive rats: the role of ATR/gp91 signaling in the rostral ventrolateral medulla. *Journal of Nutritional Biochemistry*, **2017**, 41, 73-83	6.3	10
107	EQ-5D-Y for the assessment of health-related quality of life among Taiwanese youth with mild-to-moderate chronic kidney disease. *International Journal for Quality in Health Care*, **2018**, 30, 298-303	1.9	10
106	Identification of immunodeficient molecules in neonatal mononuclear cells by proteomic differential displays. *Proteomics*, **2011**, 11, 3491-500	4.8	10
105	Endotoxemia exacerbates kidney injury and increases asymmetric dimethylarginine in young bile duct-ligated rats. *Shock*, **2012**, 37, 441-8	3.4	10
104	Sex differences in response to cyclosporine immunosuppression in experimental kidney transplantation. *Clinical and Experimental Pharmacology and Physiology*, **2008**, 35, 574-9	3	10
103	Tumor lysis syndrome in an infant with Langerhans cell histiocytosis successfully treated using continuous arteriovenous hemofiltration. *The American Journal of Pediatric Hematology/oncology*, **2001**, 23, 142-4		10
102	Synthesis of Short-Chain-Fatty-Acid Resveratrol Esters and Their Antioxidant Properties. *Antioxidants*, **2021**, 10,	7.1	10
101	Preventive Aspects of Early Resveratrol Supplementation in Cardiovascular and Kidney Disease of Developmental Origins. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	10
100	Early postnatal treatment with soluble epoxide hydrolase inhibitor or 15-deoxy-□12,14)-prostagandin J2 prevents prenatal dexamethasone and postnatal high saturated fat diet induced programmed hypertension in adult rat offspring. *Prostaglandins and Other Lipid Mediators*, **2016**, 124, 1-8	3.7	10
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