Shih-Hua Lin

List of Publications by Year
in descending order

122 papers	3,407 citations	117453 34 h-index	161609 54 g-index
124 all docs	124 docs citations	124 times ranked	2930 citing authors

#	Article	IF	Citations
1	Gitelman syndrome: consensus and guidance from a Kidney Disease: Improving Global Outcomes (KDIGO) Controversies Conference. Kidney International, 2017, 91, 24-33.	2.6	230
2	Thyrotoxic Periodic Paralysis. Mayo Clinic Proceedings, 2005, 80, 99-105.	1.4	170
3	Thyrotoxic Periodic Paralysis. Mayo Clinic Proceedings, 2005, 80, 99-105.	1.4	142
4	Laboratory Tests to Determine the Cause of Hypokalemia and Paralysis. Archives of Internal Medicine, 2004, 164, 1561.	4.3	123
5	Impaired phosphorylation of Na ⁺ -K ⁺ -2Cl ^{â^'} cotransporter by oxidative stress-responsive kinase-1 deficiency manifests hypotension and Bartter-like syndrome. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17538-17543.	3.3	122
6	Propranolol rapidly reverses paralysis, hypokalemia, and hypophosphatemia in thyrotoxic periodic paralysis. American Journal of Kidney Diseases, 2001, 37, 620-623.	2.1	116
7	Effects of potassium supplementation on the recovery of thyrotoxic periodic paralysis. American Journal of Emergency Medicine, 2004, 22, 544-547.	0.7	104
8	Mechanism of Thyrotoxic Periodic Paralysis. Journal of the American Society of Nephrology: JASN, 2012, 23, 985-988.	3.0	104
9	Intrafamilial phenotype variability in patients with Gitelman syndrome having the same mutations in their thiazide-sensitive sodium/chloride cotransporter. American Journal of Kidney Diseases, 2004, 43, 304-312.	2.1	103
10	Phenotype and Genotype Analysis in Chinese Patients with Gitelmanâ€™s Syndrome. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 2500-2507.	1.8	91
11	Resveratrol increases anti-aging Klotho gene expression via the activating transcription factor 3/c-Jun complex-mediated signaling pathway. International Journal of Biochemistry and Cell Biology, 2014, 53, 361-371.	1.2	80
12	WNK4 kinase is a physiological intracellular chloride sensor. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 4502-4507.	3.3	76
13	Antroquinonol mitigates an accelerated and progressive IgA nephropathy model in mice by activating the Nrf2 pathway and inhibiting T cells and NLRP3 inflammasome. Free Radical Biology and Medicine, 2013, 61, 285-297.	1.3	69
14	A 10-year analysis of thyrotoxic periodic paralysis in 135 patients: focus on symptomatology and precipitants. European Journal of Endocrinology, 2013, 169, 529-536.	1.9	68
15	Genotype, Phenotype, and Follow-Up in Taiwanese Patients with Salt-Losing Tubulopathy Associated withSLC12A3Mutation. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E1478-E1482.	1.8	67
16	Electrocardiographic Manifestations in Patients with Thyrotoxic Periodic Paralysis. American Journal of the Medical Sciences, 2003, 326, 128-132.	0.4	61
17	Two Novel Aquaporin-2 Mutations Responsible for Congenital Nephrogenic Diabetes Insipidus in Chinese Families. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 2694-2700.	1.8	58
18	Recurrent Deep Intronic Mutations in the SLC12A3 Gene Responsible for Gitelman's Syndrome. Clinical Journal of the American Society of Nephrology: CJASN, 2011, 6, 630-639.	2.2	57

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19	A Deep-Learning Algorithm (ECG12Net) for Detecting Hypokalemia and Hyperkalemia by Electrocardiography: Algorithm Development. JMIR Medical Informatics, 2020, 8, e15931.	1.3	54
20	Identification and Functional Characterization of Kir2.6 Mutations Associated with Non-familial Hypokalemic Periodic Paralysis. Journal of Biological Chemistry, 2011, 286, 27425-27435.	1.6	53
21	Early diagnosis of thyrotoxic periodic paralysis: Spot urine calcium to phosphate ratio*. Critical Care Medicine, 2006, 34, 2984-2989.	0.4	52
22	Hypercalcaemia and metabolic alkalosis with betel nut chewing: emphasis on its integrative pathophysiology. Nephrology Dialysis Transplantation, 2002, 17, 708-714.	0.4	50
23	Phosphorylation Regulates NCC Stability and Transporter Activity In Vivo. Journal of the American Society of Nephrology: JASN, 2013, 24, 1587-1597.	3.0	49
24	WNK1 Protein Kinase Regulates Embryonic Cardiovascular Development through the OSR1 Signaling Cascade. Journal of Biological Chemistry, 2013, 288, 8566-8574.	1.6	49
25	Must metabolic acidosis be associated with malnutrition in haemodialysed patients?. Nephrology Dialysis Transplantation, 2002, 17, 2006-2010.	0.4	45
26	An Unusual Cause of Hypokalemic Paralysis: Chronic Licorice Ingestion. American Journal of the Medical Sciences, 2003, 325, 153-156.	0.4	42
27	Skeletal Muscle Dihydropyridine-Sensitive Calcium Channel (CACNA1S) Gene Mutations in Chinese Patients with Hypokalemic Periodic Paralysis. American Journal of the Medical Sciences, 2005, 329, 66-70.	0.4	42
28	A simple and rapid approach to hypokalemic paralysis. American Journal of Emergency Medicine, 2003, 21, 487-491.	0.7	40
29	Heterozygous mutations of the sodium chloride cotransporter in Chinese children: prevalence and association with blood pressure. Nephrology Dialysis Transplantation, 2008, 24, 1170-1175.	0.4	40
30	Association between Gastroenterological Malignancy and Diabetes Mellitus and Anti-Diabetic Therapy: A Nationwide, Population-Based Cohort Study. PLoS ONE, 2015, 10, e0125421.	1.1	40
31	Rosiglitazone improves glucose metabolism in nondiabetic uremic patients on CAPD. American Journal of Kidney Diseases, 2003, 42, 774-780.	2.1	39
32	CB1 cannabinoid receptor antagonist attenuates left ventricular hypertrophy and Akt-mediated cardiac fibrosis in experimental uremia. Journal of Molecular and Cellular Cardiology, 2015, 85, 249-261.	0.9	39
33	Resveratrol Ameliorates Renal Damage, Increases Expression of Heme Oxygenase-1, and Has Anti-Complement, Anti-Oxidative, and Anti-Apoptotic Effects in a Murine Model of Membranous Nephropathy. PLoS ONE, 2015, 10, e0125726.	1.1	37
34	A Novel Na ⁺ -K ⁺ -Cl ^{â^'} Cotransporter 1 Inhibitor STS66* Reduces Brain Damage in Mice After Ischemic Stroke. Stroke, 2019, 50, 1021-1025.	1.0	37
35	Hypokalemia: A Practical Approach to Diagnosis and its Genetic Basis. Current Medicinal Chemistry, 2007, 14, 1551-1565.	1.2	33
36	Effects of Intravenous Calcitriol on Lipid Profiles and Glucose Tolerance in Uraemic Patients with Secondary Hyperparathyroidism. Clinical Science, 1994, 87, 533-538.	1.8	32

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37	Deletion of the WNK3-SPAK kinase complex in mice improves radiographic and clinical outcomes in malignant cerebral edema after ischemic stroke. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 550-563.	2.4	31
38	Functional severity of CLCNKB mutations correlates with phenotypes in patients with classic Bartter's syndrome. Journal of Physiology, 2017, 595, 5573-5586.	1.3	31
39	Hyperphosphatemia induces protective autophagy in endothelial cells through the inhibition of Akt/mTOR signaling. Journal of Vascular Surgery, 2015, 62, 210-221.e2.	0.6	30
40	Chronic Kidney Disease: Strategies to Retard Progression. International Journal of Molecular Sciences, 2021, 22, 10084.	1.8	30
41	Osmotic Demyelination Syndrome after Correction of Chronic Hyponatremia with Normal Saline. American Journal of the Medical Sciences, 2002, 323, 259-262.	0.4	29
42	Identification of the Causes for Chronic Hypokalemia: Importance of Urinary Sodium and Chloride Excretion. American Journal of Medicine, 2017, 130, 846-855.	0.6	28
43	RNA-Seq and protein mass spectrometry in microdissected kidney tubules reveal signaling processes initiating lithium-induced nephrogenic diabetes insipidus. Kidney International, 2019, 96, 363-377.	2.6	27
44	Point-of-care artificial intelligence-enabled ECG for dyskalemia: a retrospective cohort analysis for accuracy and outcome prediction. Npj Digital Medicine, 2022, 5, 8.	5.7	24
45	WNK-Cab39-NKCC1 signaling increases the susceptibility to ischemic brain damage in hypertensive rats. Journal of Cerebral Blood Flow and Metabolism, 2017, 37, 2780-2794.	2.4	23
46	Comparison of outcomes between emergent-start and planned-start peritoneal dialysis in incident ESRD patients: a prospective observational study. BMC Nephrology, 2017, 18, 359.	0.8	21
47	Differential roles of WNK4 in regulation of NCC in vivo. American Journal of Physiology - Renal Physiology, 2018, 314, F999-F1007.	1.3	21
48	Muscle Wasting in Hemodialysis Patients: New Therapeutic Strategies for Resolving an Old Problem. Scientific World Journal, The, 2013, 2013, 1-7.	0.8	19
49	SPAK plays a pathogenic role in IgA nephropathy through the activation of NF-ÎºB/MAPKs signaling pathway. Free Radical Biology and Medicine, 2016, 99, 214-224.	1.3	19
50	Uremic Toxins and Frailty in Patients with Chronic Kidney Disease: A Molecular Insight. International Journal of Molecular Sciences, 2021, 22, 6270.	1.8	19
51	Mortality rate of end-stage kidney disease patients in Taiwan. Journal of the Formosan Medical Association, 2022, 121, S12-S19.	0.8	19
52	Hyponatremia is a surrogate marker of poor outcome in peritoneal dialysis-related peritonitis. BMC Nephrology, 2014, 15, 113.	0.8	18
53	Etiologic and Therapeutic Analysis in Patients with Hypokalemic Nonperiodic Paralysis. American Journal of Medicine, 2015, 128, 289-296.e1.	0.6	18
54	Artificial Intelligenceâ€“Assisted Electrocardiography for Early Diagnosis of Thyrotoxic Periodic Paralysis. Journal of the Endocrine Society, 2021, 5, bvab120.	0.1	18

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55	Case Report: Anti-neutrophil Cytoplasmic Antibody-Associated Vasculitis With Acute Renal Failure and Pulmonary Hemorrhage May Occur After COVID-19 Vaccination. Frontiers in Medicine, 2021, 8, 765447.	1.2	18
56	A puzzling cause of hypokalaemia. Lancet, The, 2002, 360, 224.	6.3	17
57	Targeting tumour necrosis factor receptor 1 assembly reverses Th17-mediated colitis through boosting a Th2 response. Gut, 2015, 64, 765-775.	6.1	17
58	Carvedilol Ameliorates Experimental Atherosclerosis by Regulating Cholesterol Efflux and Exosome Functions. International Journal of Molecular Sciences, 2019, 20, 5202.	1.8	17
59	Galloway-Mowat syndrome in Taiwan: OSGEP mutation and unique clinical phenotype. Orphanet Journal of Rare Diseases, 2018, 13, 226.	1.2	16
60	Control of excretion of potassium: lessons from studies during prolonged total fasting in human subjects. American Journal of Physiology - Renal Physiology, 1997, 273, F796-F800.	1.3	15
61	Risk of type 2 diabetes mellitus in patients with acute critical illness: a population-based cohort study. Intensive Care Medicine, 2016, 42, 38-45.	3.9	14
62	Serum complement factor I is associated with disease activity of systemic lupus erythematosus. Oncotarget, 2018, 9, 8502-8511.	0.8	14
63	A Practical Approach to Genetic Hypokalemia. Electrolyte and Blood Pressure, 2010, 8, 38.	0.6	13
64	Role of NKCC1 Activity in Glioma K+ Homeostasis and Cell Growth: New Insights With the Bumetanide-Derivative STS66. Frontiers in Physiology, 2020, 11, 911.	1.3	13
65	Pylephlebitis Associated with Acute Infected Choledocholithiasis. American Journal of the Medical Sciences, 2006, 332, 85-87.	0.4	11
66	Novel susceptibility gene for nonfamilial hypokalemic periodic paralysis. Neurology, 2016, 86, 1190-1198.	1.5	11
67	Impact of the use of anti-diabetic drugs on survival of diabetic dialysis patients: a 5-year retrospective cohort study in Taiwan. Clinical and Experimental Nephrology, 2017, 21, 694-704.	0.7	10
68	Risk factors for complications of percutaneous ultrasound-guided renal biopsy in children. Pediatric Nephrology, 2020, 35, 271-278.	0.9	10
69	Chronic Metabolic Acidosis Activates Renal Tubular Sodium Chloride Cotransporter through Angiotension II-dependent WNK4-SPAK Phosphorylation Pathway. Scientific Reports, 2016, 6, 18360.	1.6	9
70	Autosomal Recessive Renal Tubular Dysgenesis Caused by a Founder Mutation of Angiotensinogen. Kidney International Reports, 2020, 5, 2042-2051.	0.4	9
71	OSR1 and SPAK cooperatively modulate Sertoli cell support of mouse spermatogenesis. Scientific Reports, 2016, 6, 37205.	1.6	8
72	Generation and analysis of a mouse model of pseudohypoaldosteronism type II caused by KLHL3 mutation in BTB domain. FASEB Journal, 2019, 33, 1051-1061.	0.2	8

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73	Whole-exome sequencing detects mutations in pediatric patients with atypical hemolytic uremic syndrome in Taiwan. Clinica Chimica Acta, 2019, 494, 143-150.	0.5	8
74	Unilateral renal artery stenosis presented with hyponatremic-hypertensive syndrome â€“ case report and literature review. BMC Nephrology, 2019, 20, 64.	0.8	8
75	R1933X mutation in the MYH9 gene in May-Hegglin anomaly mimicking idiopathic thrombocytopenic purpura. Journal of the Formosan Medical Association, 2014, 113, 56-59.	0.8	7
76	Urinary Extracellular Vesicles for Renal Tubular Transporters Expression in Patients With Gitelman Syndrome. Frontiers in Medicine, 2021, 8, 679171.	1.2	7
77	The Dynamics and Plasticity of Epigenetics in Diabetic Kidney Disease: Therapeutic Applications Vis-Ã-Vis. International Journal of Molecular Sciences, 2022, 23, 843.	1.8	7
78	Hypokalemic paralysis in a young obese female. Clinica Chimica Acta, 2012, 413, 1295-1297.	0.5	6
79	Persistent renal hyperparathyroidism caused by intrathyroidal parathyroid glands. Journal of the Chinese Medical Association, 2014, 77, 492-495.	0.6	6
80	Functional Analysis of VDR Gene Mutation R343H in A Child with Vitamin D-Resistant Rickets with Alopecia. Scientific Reports, 2017, 7, 15337.	1.6	6
81	Enemy Action in the Distal Convoluted Tubule. Journal of the American Society of Nephrology: JASN, 2019, 30, 1345-1348.	3.0	6
82	Clinical features, genetic background, and outcome in infants with urinary tract infection and type IV renal tubular acidosis. Pediatric Research, 2020, 87, 1251-1255.	1.1	6
83	Catastrophic hemophagocytic lymphohistiocytosis in a young man with nephrotic syndrome. Clinica Chimica Acta, 2015, 439, 168-171.	0.5	5
84	Severe Hyponatremia Secondary to Peripherally Inserted Central Catheter in a Neonate. Pediatrics and Neonatology, 2016, 57, 541-543.	0.3	5
85	Exertional rhabdomyolysis, profound lactic acidosis, and acute kidney injury in a young boy: Answers. Pediatric Nephrology, 2016, 31, 1607-1610.	0.9	5
86	Differential modulation of IL-12 family cytokines in autoimmune islet graft failure in mice. Diabetologia, 2017, 60, 2409-2417.	2.9	5
87	Attenuation of mouse mesangial cell contractility by high glucose and mannitol: Involvement of protein kinase C and focal adhesion kinase. , 2004, 11, 142.		5
88	Clinical and genetic approach to renal hypomagnesemia. Biomedical Journal, 2022, 45, 74-87.	1.4	5
89	Clearance of Meperidine and Its Metabolite Normeperidine in Hemodialysis Patients With Chronic Noncancer Pain. Journal of Pain and Symptom Management, 2014, 47, 801-805.	0.6	4
90	Evaluating Hyponatremia in Non-Diabetic Uremic Patients on Peritoneal Dialysis. Peritoneal Dialysis International, 2016, 36, 196-204.	1.1	4

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91	A neonate with recurrent tetany: questions. Pediatric Nephrology, 2016, 31, 753-753.	0.9	4
92	Lactic acidosis associated with standard dose linezolid in a kidney recipient with impaired renal function. Brazilian Journal of Infectious Diseases, 2022, 26, 101701.	0.3	4
93	Complement Factor I Mutation May Contribute to Development of Thrombotic Microangiopathy in Lupus Nephritis. Frontiers in Medicine, 2020, 7, 621609.	1.2	3
94	Proteinuria: Associated with poor outcome in patients with small cell lung cancer. Journal of Cancer Research and Therapeutics, 2018, 14, 688.	0.3	3
95	Broken guidewire during subclavian venous catheterization. Dialysis and Transplantation, 2006, 35, 536-537.	0.2	2
96	Hypoparathyroidism concomitant with macrothrombocytopenia in an elderly woman with 22q11.2 deletion syndrome. Platelets, 2018, 29, 733-736.	1.1	2
97	Phytobezoar-induced small bowel obstruction in an elderly patient undergoing dialysis: a case report. Journal of International Medical Research, 2020, 48, 030006052096294.	0.4	2
98	Allele-specific RT-PCR for the rapid detection of recurrent SLC12A3 mutations for Gitelman syndrome. Npj Genomic Medicine, 2021, 6, 68.	1.7	2
99	Cefepime-Induced Depressive Disorder in a Patient With End-Stage Renal Disease. American Journal of Therapeutics, 2022, 29, e111-e113.	0.5	2
100	Hypokalemic paralysis in a girl with dental and renal calculi: Answers. Pediatric Nephrology, 2013, 28, 733-736.	0.9	1
101	Life-threatening hematuria in a hemodialysis patient with systemic light-chain amyloidosis. Clinica Chimica Acta, 2015, 451, 180-182.	0.5	1
102	A neonate with recurrent tetany: Answers. Pediatric Nephrology, 2016, 31, 755-757.	0.9	1
103	Antenatal Bartter syndrome resembling nephrogenic diabetes insipidus in a 5-year-old boy. Journal of the Formosan Medical Association, 2016, 115, 382-383.	0.8	1
104	A neonate with poor weight gain and hyperkalemia: Answers. Pediatric Nephrology, 2017, 32, 73-75.	0.9	1
105	FP001Expression Pattern of Renal Tubular Transporters in Urinary Exosomes from Patients with Acute and Chronic Hypokalemia. Nephrology Dialysis Transplantation, 2019, 34, .	0.4	1
106	Hypokalemic paralysis in hyperthyroidism: Not all that glitter are gold. Clinical Case Reports (discontinued), 2021, 9, 1283-1287.	0.2	1
107	Effect of Hydrocortisone on Angiotensinogen (AGT) Mutationâ€“Causing Autosomal Recessive Renal Tubular Dysgenesis. Cells, 2021, 10, 782.	1.8	1
108	Thyrotoxic periodic paralysis in two sexagenarian men. Medicine (United States), 2021, 100, e27795.	0.4	1

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109	An infant with multiple subcutaneous nodules, hypercalcemia, and nephrocalcinosis: Answers. Pediatric Nephrology, 2013, 28, 2285-2287.	0.9	0
110	Acute cholecystitis in a peritoneal dialysis patient: Percutaneous trans-hepatic gallbladder drainage is a challenging therapeutic option. Nephrology, 2015, 20, 580-582.	0.7	0
111	Pseudomyocardial infarction caused by adrenocortical adenoma. American Journal of Emergency Medicine, 2015, 33, 1325.e3-1325.e5.	0.7	0
112	Exertional rhabdomyolysis, profound lactic acidosis, and acute kidney injury in a young boy: Questions. Pediatric Nephrology, 2016, 31, 1605-1606.	0.9	0
113	A neonate with poor weight gain and hyperkalemia: Questions. Pediatric Nephrology, 2017, 32, 71-71.	0.9	0
114	SP182SERUM COMPLEMENT FACTOR I IS ASSOCIATED WITH DISEASE ACTIVITY OF SYSTEMIC LUPUS ERYTHEMATOSUS. Nephrology Dialysis Transplantation, 2018, 33, i405-i405.	0.4	0
115	SP016Proteomic Analysis of Urinary Exosomes in Patients with Gitelman Syndrome. Nephrology Dialysis Transplantation, 2019, 34, .	0.4	0
116	Reply to Farfel et al.: Is enhanced chloride reabsorption in proximal tubule a possible mechanism of metabolic acidosis in PHAII?. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16175-16176.	3.3	0
117	Incidental hyperkalemia in an infant: Questions. Pediatric Nephrology, 2021, 36, 1137-1138.	0.9	0
118	Incidental hyperkalemia in an infant: Answers. Pediatric Nephrology, 2021, 36, 1139-1141.	0.9	0
119	Profound metabolic acidosis and hyperammonemia in a 2-year-old child: Questions. Pediatric Nephrology, 2021, 36, 2025-2026.	0.9	0
120	Profound metabolic acidosis and hyperammonemia in a 2-year-old child: Answers. Pediatric Nephrology, 2021, 36, 2027-2029.	0.9	0
121	Diagnosis: Benign bowel distribution of lanthanum carbonate. Annals of Saudi Medicine, 2008, 28, 469-469.	0.5	0
122	Generation and analysis of pseudohypoaldosteronism type II knockâ€in mice caused by a nonsense KLHL3 mutation in the Kelch domain. FASEB Journal, 2022, 36, .	0.2	0