

# Wei-ting Chang

## List of Publications by Year in descending order

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77  
papers

1,179  
citations

471509

17  
h-index

501196

28  
g-index

77  
all docs

77  
docs citations

77  
times ranked

1314  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac Involvement of COVID-19: A Comprehensive Review. American Journal of the Medical Sciences, 2021, 361, 14-22.	1.1	104
2	Acute kidney injury in patients treated with immune checkpoint inhibitors. , 2021, 9, e003467.		103
3	Defined MicroRNAs Induce Aspects of Maturation in Mouse and Human Embryonic-Stem-Cell-Derived Cardiomyocytes. Cell Reports, 2015, 12, 1960-1967.	6.4	77
4	Underlying mechanism of actions of tefluthrin, a pyrethroid insecticide, on voltage-gated ion currents and on action currents in pituitary tumor (GH3) cells and GnRH-secreting (GT1-7) neurons. Toxicology, 2009, 258, 70-77.	4.2	59
5	The actions of mdivi-1, an inhibitor of mitochondrial fission, on rapidly activating delayed-rectifier K <sup>+</sup> current and membrane potential in HL-1 murine atrial cardiomyocytes. European Journal of Pharmacology, 2012, 683, 1-9.	3.5	39
6	Effects of Ranolazine, a Novel Anti-anginal Drug, on Ion Currents and Membrane Potential in Pituitary Tumor GH3 Cells and NG108-15 Neuronal Cells. Journal of Pharmacological Sciences, 2009, 110, 295-305.	2.5	38
7	Estrogen ameliorates microglial activation by inhibiting the Kir2.1 inward-rectifier K <sup>+</sup> channel. Scientific Reports, 2016, 6, 22864.	3.3	34
8	Prognostic Factors in Patients With Pulmonary Hypertension—A Nationwide Cohort Study. Journal of the American Heart Association, 2016, 5, .	3.7	32
9	Differential regulation of tefluthrin and telmisartan on the gating charges of INa activation and inactivation as well as on resurgent and persistent INa in a pituitary cell line (GH3). Toxicology Letters, 2018, 285, 104-112.	0.8	31
10	Dapagliflozin suppresses ER stress and protects doxorubicin-induced cardiotoxicity in breast cancer patients. Archives of Toxicology, 2021, 95, 659-671.	4.2	30
11	The Early Predictive Value of Right Ventricular Strain in Epirubicin-Induced Cardiotoxicity in Patients with Breast Cancer. Acta Cardiologica Sinica, 2016, 32, 550-559.	0.2	29
12	Telmisartan improves cardiac fibrosis in diabetes through peroxisome proliferator activated receptor $\gamma$ (PPAR $\gamma$ ): from bedside to bench. Cardiovascular Diabetology, 2016, 15, 113.	6.8	28
13	Inhibitory action of methadone and its metabolites on erg-mediated K <sup>+</sup> current in GH3 pituitary tumor cells. Toxicology, 2011, 280, 1-9.	4.2	25
14	Large and Small Animal Models of Heart Failure With Reduced Ejection Fraction. Circulation Research, 2022, 130, 1888-1905.	4.5	25
15	Evidence for the Effectiveness of Remdesivir (GS-5734), a Nucleoside-Analog Antiviral Drug in the Inhibition of IK(M) or IK(DR) and in the Stimulation of IMEP. Frontiers in Pharmacology, 2020, 11, 1091.	3.5	22
16	Analytical studies of rapidly inactivating and noninactivating sodium currents in differentiated NG108-15 neuronal cells. Journal of Theoretical Biology, 2009, 259, 828-836.	1.7	20
17	Multiple Actions of Rotenone, an Inhibitor of Mitochondrial Respiratory Chain, on Ionic Currents and Miniature End-Plate Potential in Mouse Hippocampal (mHippoE-14) Neurons. Cellular Physiology and Biochemistry, 2018, 47, 330-343.	1.6	20
18	The Novel Direct Modulatory Effects of Perampanel, an Antagonist of AMPA Receptors, on Voltage-Gated Sodium and M-type Potassium Currents. Biomolecules, 2019, 9, 638.	4.0	19

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19	Characterization of Direct Perturbations on Voltage-Gated Sodium Current by Esaxerenone, a Nonsteroidal Mineralocorticoid Receptor Blocker. <i>Biomedicines</i> , 2021, 9, 549.	3.2	19
20	Characterization of Aging-Associated Cardiac Diastolic Dysfunction. <i>PLoS ONE</i> , 2014, 9, e97455.	2.5	18
21	Activation of voltage-gated sodium current and inhibition of <i>Ca</i> <sup>v</sup> -mediated potassium current caused by telmisartan, an antagonist of angiotensin II type-1 receptor, in HL-1 atrial cardiomyocytes. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2018, 45, 797-807.	1.9	18
22	A Double-Edged Sword—Cardiovascular Concerns of Potential Anti-COVID-19 Drugs. <i>Cardiovascular Drugs and Therapy</i> , 2021, 35, 205-214.	2.6	18
23	Defective trafficking of Kv2.1 channels in MPTP-induced nigrostriatal degeneration. <i>Journal of Neurochemistry</i> , 2018, 144, 483-497.	3.9	17
24	Layer-specific distribution of myocardial deformation from anthracycline-induced cardiotoxicity in patients with breast cancer—From bedside to bench. <i>International Journal of Cardiology</i> , 2020, 311, 64-70.	1.7	17
25	Association of Decreased Right Ventricular Strain with Worse Survival in Non-Acute Coronary Syndrome—Angina. <i>Journal of the American Society of Echocardiography</i> , 2016, 29, 350-358.e4.	2.8	16
26	Sodium Metabisulfite: Effects on Ionic Currents and Excitotoxicity. <i>Neurotoxicity Research</i> , 2018, 34, 1-15.	2.7	16
27	Pioglitazone, a PPAR- $\gamma$ Activator, Stimulates BKCa but Suppresses IKM in Hippocampal Neurons. <i>Frontiers in Pharmacology</i> , 2018, 9, 977.	3.5	15
28	The Novel Effect of Immunomodulator-Glatiramer Acetate on Epileptogenesis and Epileptic Seizures. <i>Cellular Physiology and Biochemistry</i> , 2018, 50, 150-168.	1.6	14
29	Telmisartan, an Antagonist of Angiotensin II Receptors, Accentuates Voltage-Gated Na <sup>+</sup> Currents and Hippocampal Neuronal Excitability. <i>Frontiers in Neuroscience</i> , 2020, 14, 902.	2.8	14
30	Efficient Cardiac Differentiation of Human Amniotic Fluid-Derived Stem Cells into Induced Pluripotent Stem Cells and Their Potential Immune Privilege. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2359.	4.1	13
31	Dapagliflozin protects against doxorubicin-induced cardiotoxicity by restoring STAT3. <i>Archives of Toxicology</i> , 2022, 96, 2021-2032.	4.2	13
32	The Integrated Effects of Brivaracetam, a Selective Analog of Levetiracetam, on Ionic Currents and Neuronal Excitability. <i>Biomedicines</i> , 2021, 9, 369.	3.2	12
33	Fetuin-A as a predictor of sarcopenic left ventricular dysfunction. <i>Scientific Reports</i> , 2015, 5, 12078.	3.3	11
34	Effectiveness of Columbianadin, a Bioactive Coumarin Derivative, in Perturbing Transient and Persistent INa. <i>International Journal of Molecular Sciences</i> , 2021, 22, 621.	4.1	11
35	Evidence for the Capability of Roxadustat (FG-4592), an Oral HIF Prolyl-Hydroxylase Inhibitor, to Perturb Membrane Ionic Currents: An Unidentified yet Important Action. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6027.	4.1	10
36	Effects of Sesamin, the Major Furofuran Lignan of Sesame Oil, on the Amplitude and Gating of Voltage-Gated Na <sup>+</sup> and K <sup>+</sup> Currents. <i>Molecules</i> , 2020, 25, 3062.	3.8	10

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37	The Specific Effects of OD-1, a Peptide Activator, on Voltage-Gated Sodium Current and Seizure Susceptibility. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8254.	4.1	10
38	The biochemical and electrophysiological profiles of amniotic fluid-derived stem cells following Wnt signaling modulation cardiac differentiation. <i>Cell Death Discovery</i> , 2019, 5, 59.	4.7	9
39	Evidence for Effective Inhibitory Actions on Hyperpolarization-Activated Cation Current Caused by Ganoderma Triterpenoids, the Main Active Constituents of Ganoderma Spores. <i>Molecules</i> , 2019, 24, 4256.	3.8	9
40	The Role of ROCK in Platelet-Monocyte Collaborative Induction of Thromboinflammation during Acute Coronary Syndrome. <i>Thrombosis and Haemostasis</i> , 2020, 120, 1417-1431.	3.4	8
41	Characterization of the Synergistic Inhibition of IK(erg) and IK(DR) by Ribociclib, a Cyclin-Dependent Kinase 4/6 Inhibitor. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8078.	4.1	8
42	MicroRNA-21 regulates right ventricular remodeling secondary to pulmonary arterial pressure overload. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 154, 106-114.	1.9	8
43	Effective Accentuation of Voltage-Gated Sodium Current Caused by Apocynin (4-Hydroxy-3-methoxyacetophenone), a Known NADPH-Oxidase Inhibitor. <i>Biomedicines</i> , 2021, 9, 1146.	3.2	8
44	MST3 is involved in ENaC-mediated hypertension. <i>American Journal of Physiology - Renal Physiology</i> , 2019, 317, F30-F42.	2.7	7
45	Editorial to the Special Issue "Electrophysiology". <i>International Journal of Molecular Sciences</i> , 2021, 22, 2956.	4.1	7
46	Risks of trastuzumab-related cardiotoxicity in breast cancer patients in Taiwan. <i>ESC Heart Failure</i> , 2021, 8, 5149-5158.	3.1	7
47	Characterization in Inhibitory Effectiveness of Carbamazepine in Voltage-Gated Na <sup>+</sup> and Erg-Mediated K <sup>+</sup> Currents in a Mouse Neural Crest-Derived (Neuro-2a) Cell Line. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7892.	4.1	7
48	Growth differentiation factor-15 levels in the blood around the pulmonary artery is associated with hospitalization for heart failure in patients with pulmonary arterial hypertension. <i>Pulmonary Circulation</i> , 2020, 10, 1-6.	1.7	6
49	Differential Inhibitory Actions of Multitargeted Tyrosine Kinase Inhibitors on Different Ionic Current Types in Cardiomyocytes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1672.	4.1	6
50	Depressive effectiveness of vigabatrin ( <sup>3</sup> -vinyl-GABA), an antiepileptic drug, in intermediate-conductance calcium-activated potassium channels in human glioma cells. <i>BMC Pharmacology &amp; Toxicology</i> , 2021, 22, 6.	2.4	6
51	Zingerone Modulates Neuronal Voltage-Gated Na <sup>+</sup> and L-Type Ca <sup>2+</sup> Currents. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3123.	4.1	6
52	Risk of ischaemic stroke in thyrotoxic atrial fibrillation. <i>Clinical Endocrinology</i> , 2019, 91, 561-570.	2.4	5
53	Glibenclamide restores dopaminergic reward circuitry in obese mice through interscapular brown adipose tissue. <i>Psychoneuroendocrinology</i> , 2020, 118, 104712.	2.7	5
54	High Efficacy by GAL-021: A Known Intravenous Peripheral Chemoreceptor Modulator that Suppresses BKCa-Channel Activity and Inhibits IK(M) or Ih. <i>Biomolecules</i> , 2020, 10, 188.	4.0	5

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55	Effective Perturbations of the Amplitude, Gating, and Hysteresis of IK(DR) Caused by PT-2385, an HIF-2 $\alpha$ Inhibitor. <i>Membranes</i> , 2021, 11, 636.	3.0	5
56	Cardiovascular Complications of COVID-19 and Associated Concerns: A Review. <i>Acta Cardiologica Sinica</i> , 2021, 37, 9-17.	0.2	5
57	Evidence of pleiotropy by statins: Leukocyte Rho kinase (ROCK) activity and pretreated statin before percutaneous coronary interventions are clinical vascular outcome predictors. <i>International Journal of Cardiology</i> , 2014, 176, 250-253.	1.7	4
58	Effective block by pirfenidone, an antifibrotic pyridone compound (5-methyl-1-phenylpyridin-2[H-1]-one), on hyperpolarization-activated cation current: An additional but distinctive target. <i>European Journal of Pharmacology</i> , 2020, 882, 173237.	3.5	4
59	The predictive value of global longitudinal strain in patients with heart failure mid-range ejection fraction. <i>Journal of Cardiology</i> , 2021, 77, 509-516.	1.9	4
60	The Effectiveness of Isoplumbagin and Plumbagin in Regulating Amplitude, Gating Kinetics, and Voltage-Dependent Hysteresis of erg-mediated K <sup>+</sup> Currents. <i>Biomedicines</i> , 2022, 10, 780.	3.2	4
61	Fetuin A adds prognostic value for cardiovascular outcomes among patients with coronary artery disease with moderate calcification. <i>International Journal of Cardiology</i> , 2015, 185, 159-161.	1.7	3
62	Influence of warfarin on cardiac and cerebrovascular events following bioprosthetic aortic valve replacement: A nationwide cohort study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 1730-1739.e1.	0.8	3
63	Actions of FTY720 (Fingolimod), a Sphingosine-1-Phosphate Receptor Modulator, on Delayed-Rectifier K <sup>+</sup> Current and Intermediate-Conductance Ca <sup>2+</sup> -Activated K <sup>+</sup> Channel in Jurkat T-Lymphocytes. <i>Molecules</i> , 2020, 25, 4525.	3.8	3
64	Inhibitory Effectiveness of Gomisins A, a Dibenzocyclooctadiene Lignan Isolated from <i>Schizandra chinensis</i> , on the Amplitude and Gating of Voltage-Gated Na <sup>+</sup> Current. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8816.	4.1	3
65	Right ventricular reserve post mitral valve repair is associated with heart failure hospitalization. <i>Pulmonary Circulation</i> , 2020, 10, 204589402094385.	1.7	3
66	Effects of STAT3 on aging-dependent neovascularization impairment following limb ischemia: from bedside to bench. <i>Aging</i> , 2022, 14, 4897-4913.	3.1	3
67	High Capability of Pentagalloylglucose (PGG) in Inhibiting Multiple Types of Membrane Ionic Currents. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9369.	4.1	2
68	Pulmonary thromboembolism with computed tomography defined chronic thrombus is associated with higher mortality. <i>Pulmonary Circulation</i> , 2020, 10, 1-8.	1.7	2
69	Effective Activation of BKCa Channels by QO-40 (5-(Chloromethyl)-3-(Naphthalen-1-yl)-2-(Trifluoromethyl)Pyrazolo [1,5-a]pyrimidin-7(4H)-one), Known to Be an Opener of KCNQ2/Q3 Channels. <i>Pharmaceutics</i> , 2021, 14, 388.	3.8	2
70	Evidence for Inhibitory Perturbations on the Amplitude, Gating, and Hysteresis of A-Type Potassium Current, Produced by Lacosamide, a Functionalized Amino Acid with Anticonvulsant Properties. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1171.	4.1	2
71	Angiotensin II blockers improve cardiac coronary flow under hemodynamic pressure overload. <i>Hypertension Research</i> , 2021, 44, 803-812.	2.7	1
72	A Rare Cause of Left Atrium Compression. <i>International Heart Journal</i> , 2021, 62, 944-948.	1.0	1

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73	Cilostazol eliminates radiation-resistant glioblastoma by re-evoking big conductance calcium-activated potassium channel activity. American Journal of Cancer Research, 2021, 11, 1148-1169.	1.4	1
74	Left ventricular noncompaction cardiomyopathy: An under-recognized disease diagnosed by echocardiography and computed tomography. Kaohsiung Journal of Medical Sciences, 2014, 30, 376-377.	1.9	0
75	The impact of COVID-19 on the research and educational environment in Taiwan -forewarned is forearmed. Journal of the Formosan Medical Association, 2021, 120, 776-778.	1.7	0
76	The impact of COVID-19 on cardio-oncology care in Taiwan. Journal of the Formosan Medical Association, 2022, 121, 861-864.	1.7	0
77	The S Protein of SARS-CoV-2 Injures Cardiomyocytes Indirectly through the Release of Cytokines Instead of Direct Action. Acta Cardiologica Sinica, 2021, 37, 643-647.	0.2	0