Chen Chen

List of Publications by Year
in descending order

123 papers	6,078 citations	61945 43 h-index	85498 71 g-index
129 all docs	129 docs citations	129 times ranked	8273 citing authors

#	Article	IF	Citations
1	Metabolism pathways of arachidonic acids: mechanisms and potential therapeutic targets. Signal Transduction and Targeted Therapy, 2021, 6, 94.	7.1	406
2	SARS-CoV-2: aÂpotential novel etiology of fulminant myocarditis. Herz, 2020, 45, 230-232.	0.4	288
3	AMPKÎ±2 Protects Against the Development of Heart Failure by Enhancing Mitophagy via PINK1 Phosphorylation. Circulation Research, 2018, 122, 712-729.	2.0	250
4	CytochromeP450 Epoxygenase Promotes Human Cancer Metastasis. Cancer Research, 2007, 67, 6665-6674.	0.4	192
5	Circulating miR-30a, miR-126 and let-7b as biomarker for ischemic stroke in humans. BMC Neurology, 2013, 13, 178.	0.8	171
6	Human Circulating MicroRNA-1 and MicroRNA-126 as Potential Novel Indicators for Acute Myocardial Infarction. International Journal of Biological Sciences, 2012, 8, 811-818.	2.6	163
7	MicroRNA-21 Lowers Blood Pressure in Spontaneous Hypertensive Rats by Upregulating Mitochondrial Translation. Circulation, 2016, 134, 734-751.	1.6	134
8	ER Stress Negatively Modulates the Expression of the miR-199a/214 Cluster to Regulates Tumor Survival and Progression in Human Hepatocellular Cancer. PLoS ONE, 2012, 7, e31518.	1.1	130
9	Nuclear miR-320 Mediates Diabetes-Induced Cardiac Dysfunction by Activating Transcription of Fatty Acid Metabolic Genes to Cause Lipotoxicity in the Heart. Circulation Research, 2019, 125, 1106-1120.	2.0	127
10	Circulating miR-30a, miR-195 and let-7b Associated with Acute Myocardial Infarction. PLoS ONE, 2012, 7, e50926.	1.1	118
11	Plasma microRNA-133a is a new marker for both acute myocardial infarction and underlying coronary artery stenosis. Journal of Translational Medicine, 2013, 11, 222.	1.8	113
12	miR-21-3p regulates cardiac hypertrophic response by targeting histone deacetylase-8. Cardiovascular Research, 2015, 105, 340-352.	1.8	109
13	Cystathionine Î³ Lyase Sulfhydrates the RNA Binding Protein Human Antigen R to Preserve Endothelial Cell Function and Delay Atherogenesis. Circulation, 2019, 139, 101-114.	1.6	103
14	Trimetazidine prevents macrophageâ€mediated septic myocardial dysfunction via activation of the histone deacetylase sirtuin 1. British Journal of Pharmacology, 2016, 173, 545-561.	2.7	102
15	miR-217 Promotes Cardiac Hypertrophy and Dysfunction by Targeting PTEN. Molecular Therapy - Nucleic Acids, 2018, 12, 254-266.	2.3	101
16	Selective Inhibitors of CYP2J2 Related to Terfenadine Exhibit Strong Activity against Human Cancers in Vitro and in Vivo. Journal of Pharmacology and Experimental Therapeutics, 2009, 329, 908-918.	1.3	96
17	MiRâ€320a contributes to atherogenesis by augmenting multiple risk factors and downâ€regulating <scp>SRF</scp>. Journal of Cellular and Molecular Medicine, 2015, 19, 970-985.	1.6	89
18	Cytochrome P450 2J2 Is Highly Expressed in Hematologic Malignant Diseases and Promotes Tumor Cell Growth. Journal of Pharmacology and Experimental Therapeutics, 2011, 336, 344-355.	1.3	87

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19	MicroRNAâ€214 Is Upregulated in Heart Failure Patients and Suppresses XBP1â€Mediated Endothelial Cells Angiogenesis. Journal of Cellular Physiology, 2015, 230, 1964-1973.	2.0	84
20	MiR-30c protects diabetic nephropathy by suppressing epithelial-to-mesenchymal transition in db/db mice. Aging Cell, 2017, 16, 387-400.	3.0	84
21	CYP2J2-Derived Epoxyeicosatrienoic Acids Suppress Endoplasmic Reticulum Stress in Heart Failure. Molecular Pharmacology, 2014, 85, 105-115.	1.0	78
22	miR-320a mediates doxorubicin-induced cardiotoxicity by targeting VEGF signal pathway. Aging, 2016, 8, 192-207.	1.4	76
23	MiR-30c/PGC-1Î² protects against diabetic cardiomyopathy via PPARÎ±. Cardiovascular Diabetology, 2019, 18, 7.	2.7	76
24	Identification of cardiac-related circulating microRNA profile in human chronic heart failure. Oncotarget, 2016, 7, 33-45.	0.8	76
25	Resveratrol as a new inhibitor of immunoproteasome prevents PTEN degradation and attenuates cardiac hypertrophy after pressure overload. Redox Biology, 2019, 20, 390-401.	3.9	74
26	Epoxyeicosatrienoic Acids Attenuate Reactive Oxygen Species Level, Mitochondrial Dysfunction, Caspase Activation, and Apoptosis in Carcinoma Cells Treated with Arsenic Trioxide. Journal of Pharmacology and Experimental Therapeutics, 2011, 339, 451-463.	1.3	73
27	Fulminant myocarditis: a comprehensive review from etiology to treatments and outcomes. Signal Transduction and Targeted Therapy, 2020, 5, 287.	7.1	72
28	Atherosclerosis-Related Circulating miRNAs as Novel and Sensitive Predictors for Acute Myocardial Infarction. PLoS ONE, 2014, 9, e105734.	1.1	72
29	Epoxyeicosatrienoic Acids Regulate Macrophage Polarization and Prevent LPSâ€Induced Cardiac Dysfunction. Journal of Cellular Physiology, 2015, 230, 2108-2119.	2.0	71
30	MiR-21 protected against diabetic cardiomyopathy induced diastolic dysfunction by targeting gelsolin. Cardiovascular Diabetology, 2018, 17, 123.	2.7	67
31	Endoplasmic Reticulum Stress Participates in Aortic Valve Calcification in Hypercholesterolemic Animals. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 2345-2354.	1.1	65
32	Acyl-CoA thioesterase 1 prevents cardiomyocytes from Doxorubicin-induced ferroptosis via shaping the lipid composition. Cell Death and Disease, 2020, 11, 756.	2.7	63
33	DYRK1B-STAT3 Drives Cardiac Hypertrophy and Heart Failure by Impairing Mitochondrial Bioenergetics. Circulation, 2022, 145, 829-846.	1.6	63
34	Deregulation of <scp>XBP</scp> 1 expression contributes to myocardial vascular endothelial growth factorâ€A expression and angiogenesis during cardiac hypertrophy inÂvivo. Aging Cell, 2016, 15, 625-633.	3.0	60
35	Cardiomyocyte-specific expression of CYP2J2 prevents development of cardiac remodelling induced by angiotensin II. Cardiovascular Research, 2015, 105, 304-317.	1.8	59
36	Cardiac-Specific Overexpression of CYP2J2 Attenuates Diabetic Cardiomyopathy in Male Streptozotocin-Induced Diabetic Mice. Endocrinology, 2013, 154, 2843-2856.	1.4	58

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37	Delivery of AAV2-CYP2J2 Protects Remnant Kidney in the 5/6-Nephrectomized Rat via Inhibition of Apoptosis and Fibrosis. Human Gene Therapy, 2012, 23, 688-699.	1.4	56
38	Let-7b Inhibits Human Cancer Phenotype by Targeting Cytochrome P450 Epoxygenase 2J2. PLoS ONE, 2012, 7, e39197.	1.1	54
39	MicroRNA regulation of unfolded protein response transcription factor XBP1 in the progression of cardiac hypertrophy and heart failure in vivo. Journal of Translational Medicine, 2015, 13, 363.	1.8	54
40	CYP2J2 attenuates metabolic dysfunction in diabetic mice by reducing hepatic inflammation via the PPARÎ³. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E270-E282.	1.8	54
41	Mir30c Is Involved in Diabetic Cardiomyopathy through Regulation of Cardiac Autophagy via BECN1. Molecular Therapy - Nucleic Acids, 2017, 7, 127-139.	2.3	51
42	Epoxyeicosatrienoic acids protect rat hearts against tumor necrosis factor-Î±-induced injury. Journal of Lipid Research, 2012, 53, 456-466.	2.0	50
43	Trimetazidine Attenuates Cardiac Dysfunction in Endotoxemia and Sepsis by Promoting Neutrophil Migration. Frontiers in Immunology, 2018, 9, 2015.	2.2	48
44	Ranolazine prevents pressure overloadâ€induced cardiac hypertrophy and heart failure by restoring aberrant Na⁺ and Ca²⁺ handling. Journal of Cellular Physiology, 2019, 234, 11587-11601.	2.0	46
45	Meta-analysis of extremely low frequency electromagnetic fields and cancer risk: a pooled analysis of epidemiologic studies. Environment International, 2016, 88, 36-43.	4.8	43
46	Identification of cardiac long non-coding RNA profile in human dilated cardiomyopathy. Cardiovascular Research, 2018, 114, 747-758.	1.8	43
47	The Different Roles of miRNA-92a-2-5p and let-7b-5p in Mitochondrial Translation in db/db Mice. Molecular Therapy - Nucleic Acids, 2019, 17, 424-435.	2.3	43
48	Mortality and preâ€hospitalization use of lowâ€dose aspirin in COVIDâ€19 patients with coronary artery disease. Journal of Cellular and Molecular Medicine, 2021, 25, 1263-1273.	1.6	43
49	MiR-320a induces diabetic nephropathy via inhibiting MafB. Aging, 2019, 11, 3055-3079.	1.4	43
50	Good or bad: Application of RAAS inhibitors in COVID-19 patients with cardiovascular comorbidities. , 2020, 215, 107628.		41
51	Cytochrome P450 2J2 is protective against global cerebral ischemia in transgenic mice. Prostaglandins and Other Lipid Mediators, 2012, 99, 68-78.	1.0	40
52	Protective Effects of Acyl-coA Thioesterase 1 on Diabetic Heart via PPARÎ±/PGC1Î± Signaling. PLoS ONE, 2012, 7, e50376.	1.1	39
53	MiR-665 aggravates heart failure via suppressing CD34-mediated coronary microvessel angiogenesis. Aging, 2018, 10, 2459-2479.	1.4	38
54	Improvement of mechanical heart function by trimetazidine in db/db mice. Acta Pharmacologica Sinica, 2010, 31, 560-569.	2.8	36

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55	Chronic inhibition of cyclic guanosine monophosphate-specific phosphodiesterase 5 prevented cardiac fibrosis through inhibition of transforming growth factor Î²-induced Smad signaling. Frontiers of Medicine, 2014, 8, 445-455.	1.5	36
56	Chronic inhibition of cGMPâ€specific phosphodiesterase 5 suppresses endoplasmic reticulum stress in heart failure. British Journal of Pharmacology, 2013, 170, 1396-1409.	2.7	35
57	The role of miR-320 in glucose and lipid metabolism disorder-associated diseases. International Journal of Biological Sciences, 2021, 17, 402-416.	2.6	35
58	LARP7 Protects Against Heart Failure by Enhancing Mitochondrial Biogenesis. Circulation, 2021, 143, 2007-2022.	1.6	35
59	Circulating microRNAs in cardiovascular diseases: from biomarkers to therapeutic targets. Frontiers of Medicine, 2014, 8, 404-418.	1.5	34
60	Meta-analysis of Hsa-mir-499 polymorphism (rs3746444) for cancer risk: evidence from 31 case-control studies. BMC Medical Genetics, 2014, 15, 126.	2.1	33
61	<scp>CYP</scp> 2J2 and its metabolites (epoxyeicosatrienoic acids) attenuate cardiac hypertrophy by activating <scp>AMPK</scp> Î±2 and enhancing nuclear translocation of Akt1. Aging Cell, 2016, 15, 940-952.	3.0	33
62	Overexpression of decorin promoted angiogenesis in diabetic cardiomyopathy via IGF1R-AKT-VEGF signaling. Scientific Reports, 2017, 7, 44473.	1.6	33
63	MiR-124 aggravates failing hearts by suppressing CD151-facilitated angiogenesis in heart. Oncotarget, 2018, 9, 14382-14396.	0.8	32
64	Resveratrol Attenuates Pressure Overloadâ€Induced Cardiac Fibrosis and Diastolic Dysfunction via PTEN/AKT/Smad2/3 and NFâ€ÎºB Signaling Pathways. Molecular Nutrition and Food Research, 2019, 63, e1900418.	1.5	32
65	The Role of Epoxyeicosatrienoic Acids in Cardiac Remodeling. Frontiers in Physiology, 2021, 12, 642470.	1.3	32
66	P2y12 Receptor Promotes Pressure Overloadâ€“Induced Cardiac Remodeling via Platelet-Driven Inflammation in Mice. Hypertension, 2017, 70, 759-769.	1.3	31
67	CYP epoxygenase 2J2 prevents cardiac fibrosis by suppression of transmission of pro-inflammation from cardiomyocytes to macrophages. Prostaglandins and Other Lipid Mediators, 2015, 116-117, 64-75.	1.0	29
68	CYP2J2 metabolites, epoxyeicosatrienoic acids, attenuate Ang II-induced cardiac fibrotic response by targeting GÎ±12/13. Journal of Lipid Research, 2017, 58, 1338-1353.	2.0	29
69	MiR-30c-5p ameliorates hepatic steatosis in leptin receptor-deficient (db/db) mice via down-regulating FASN. Oncotarget, 2017, 8, 13450-13463.	0.8	29
70	The potential effects of DPPâ€4 inhibitors on cardiovascular system in COVIDâ€19 patients. Journal of Cellular and Molecular Medicine, 2020, 24, 10274-10278.	1.6	29
71	CYP Epoxygenase Derived EETs: From Cardiovascular Protection to Human Cancer Therapy. Current Topics in Medicinal Chemistry, 2013, 13, 1454-1469.	1.0	28
72	The Cell Typeâ€“Specific Functions of miR-21 in Cardiovascular Diseases. Frontiers in Genetics, 2020, 11, 563166.	1.1	27

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73	CYP2J2 overexpression ameliorates hyperlipidemia via increased fatty acid oxidation mediated by the AMPK pathway. Obesity, 2015, 23, 1401-1413.	1.5	26
74	ADRB2 polymorphism Arg16Gly modifies the natural outcome of heart failure and dictates therapeutic response to Î²-blockers in patients with heart failure. Cell Discovery, 2018, 4, 57.	3.1	26
75	Cardiac injuries in coronavirus disease 2019 (COVID-19). Journal of Molecular and Cellular Cardiology, 2020, 145, 25-29.	0.9	26
76	LncRNA ZNF593-AS Alleviates Contractile Dysfunction in Dilated Cardiomyopathy. Circulation Research, 2021, 128, 1708-1723.	2.0	25
77	MicroRNA-122 regulates caspase-8 and promotes the apoptosis of mouse cardiomyocytes. Brazilian Journal of Medical and Biological Research, 2017, 50, e5760.	0.7	24
78	Trimetazidine Inhibits Renal Tubular Epithelial Cells to Mesenchymal Transition in Diabetic Rats via Upregulation of Sirt1. Frontiers in Pharmacology, 2020, 11, 1136.	1.6	24
79	Indapamide Lowers Blood Pressure by Increasing Production of Epoxyeicosatrienoic Acids in the Kidney. Molecular Pharmacology, 2013, 84, 286-295.	1.0	23
80	Effects of extremely low frequency electromagnetic fields (100 Î¼T) on behaviors in rats. NeuroToxicology, 2016, 52, 104-113.	1.4	23
81	Regulatory roles of circRNAs in adipogenesis and lipid metabolism: emerging insights into lipidâ€related diseases. FEBS Journal, 2021, 288, 3663-3682.	2.2	23
82	The double face of miR-320: cardiomyocytes-derived miR-320 deteriorated while fibroblasts-derived miR-320 protected against heart failure induced by transverse aortic constriction. Signal Transduction and Targeted Therapy, 2021, 6, 69.	7.1	23
83	Circulating Long Non-coding RNA ENST00000507296 Is a Prognostic Indicator in Patients with Dilated Cardiomyopathy. Molecular Therapy - Nucleic Acids, 2019, 16, 82-90.	2.3	22
84	Circulating miR-4763-3p Is a Novel Potential Biomarker Candidate for Human Adult Fulminant Myocarditis. Molecular Therapy - Methods and Clinical Development, 2020, 17, 1079-1087.	1.8	21
85	Effects of 100-Î¼T extremely low frequency electromagnetic fields exposure on hematograms and blood chemistry in rats. Journal of Radiation Research, 2016, 57, 16-24.	0.8	19
86	Nuclear miR-665 aggravates heart failure via suppressing phosphatase and tensin homolog transcription. Science China Life Sciences, 2020, 63, 724-736.	2.3	19
87	Macrophage MST1/2 Disruption Impairs Post-Infarction Cardiac Repair via LTB4. Circulation Research, 2021, 129, 909-926.	2.0	18
88	The epoxyeicosatrienoic acid-stimulated phosphorylation of EGF-R involves the activation of metalloproteinases and the release of HB-EGF in cancer cells. Acta Pharmacologica Sinica, 2010, 31, 211-218.	2.8	17
89	Recombinant Adeno-Associated Virus-Mediated Delivery of MicroRNA-21-3p Lowers Hypertension. Molecular Therapy - Nucleic Acids, 2018, 11, 354-366.	2.3	17
90	Amlodipine induces vasodilation via Akt2/Sp1â€activated miRâ€21 in smooth muscle cells. British Journal of Pharmacology, 2019, 176, 2306-2320.	2.7	17

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91	PPARÎ± ligand, AVE8134, and cyclooxygenase inhibitor therapy synergistically suppress lung cancer growth and metastasis. BMC Cancer, 2019, 19, 1166.	1.1	16
92	Soluble ST2 Is a Sensitive and Specific Biomarker for Fulminant Myocarditis. Journal of the American Heart Association, 2022, 11, e024417.	1.6	16
93	Cytochrome P450-CYP2 Family-Epoxygenase Role in Inflammation and Cancer. Advances in Pharmacology, 2015, 74, 193-221.	1.2	15
94	CD36 Signaling in Diabetic Cardiomyopathy. , 2021, 12, 826.		15
95	Long-term exposure to ELF-MF ameliorates cognitive deficits and attenuates tau hyperphosphorylation in 3xTg AD mice. NeuroToxicology, 2016, 53, 290-300.	1.4	14
96	Identification of ncRNA-Mediated Functions of Nucleus-Localized miR-320 in Cardiomyocytes. Molecular Therapy - Nucleic Acids, 2020, 19, 132-143.	2.3	14
97	Cardiomyocyte specific expression of Acyl-coA thioesterase 1 attenuates sepsis induced cardiac dysfunction and mortality. Biochemical and Biophysical Research Communications, 2015, 468, 533-540.	1.0	12
98	Association of glycosylated haemoglobin HbA1c levels with outcome in patients with COVIDâ€19: A Retrospective Study. Journal of Cellular and Molecular Medicine, 2021, 25, 3484-3497.	1.6	12
99	Cardioprotective Effect of Decorin in Type 2 Diabetes. Frontiers in Endocrinology, 2020, 11, 479258.	1.5	11
100	miR-320a induces pancreatic Î² cells dysfunction in diabetes by inhibiting MafF. Molecular Therapy - Nucleic Acids, 2021, 26, 444-457.	2.3	11
101	The effects of a 50-Hz magnetic field on the cardiovascular system in rats. Journal of Radiation Research, 2016, 57, 627-636.	0.8	10
102	Exposure to 50 Hz magnetic field at 100 ÂµT exert no DNA damage in cardiomyocytes. Biology Open, 2019, 8, .	0.6	9
103	Adenosine 2A Receptor Activation Contributes to Ang IIâ€“Induced Aortic Remodeling by Promoting Macrophage Retention. Hypertension, 2020, 75, 119-130.	1.3	8
104	Roles of MicroRNAs in Glucose and Lipid Metabolism in the Heart. Frontiers in Cardiovascular Medicine, 2021, 8, 716213.	1.1	8
105	Overexpression of miRâ€‘30câ€‘5p reduces cellular cytotoxicity and inhibits the formation of kidney stones through ATG5. International Journal of Molecular Medicine, 2020, 45, 375-384.	1.8	8
106	Expression Profiles and Potential Functions of Long Non-Coding RNAs in the Heart of Mice With Coxsackie B3 Virus-Induced Myocarditis. Frontiers in Cellular and Infection Microbiology, 2021, 11, 704919.	1.8	7
107	Hyperglycemic memory in diabetic cardiomyopathy. Frontiers of Medicine, 2022, 16, 25-38.	1.5	7
108	Power-frequency magnetic fields at 50ÂHz do not affect fertility and development in rats and mice. Electromagnetic Biology and Medicine, 2019, 38, 111-122.	0.7	6

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109	Subcellular microRNAs in diabetic cardiomyopathy. Annals of Translational Medicine, 2020, 8, 1602-1602.	0.7	6
110	Overexpression of cytosolic long noncoding RNA cytb protects against pressure-overload-induced heart failure via sponging microRNA-103-3p. Molecular Therapy - Nucleic Acids, 2022, 27, 1127-1145.	2.3	6
111	Examination of the Effect of a 50-Hz Electromagnetic Field at 500 Î¼T on Parameters Related With the Cardiovascular System in Rats. Frontiers in Public Health, 2020, 8, 87.	1.3	5
112	A Key GWAS-Identified Genetic Variant Contributes to Hyperlipidemia by Upregulating miR-320a. IScience, 2020, 23, 101788.	1.9	4
113	Biological Functions and Clinical Prospects of Extracellular Non-Coding RNAs in Diabetic Cardiomyopathy: an Updated Review. Journal of Cardiovascular Translational Research, 2022, 15, 469-476.	1.1	4
114	Epoxyeicosatrienoic acid: A potential therapeutic target of heart failure with preserved ejection fraction. Biomedicine and Pharmacotherapy, 2022, 153, 113326.	2.5	4
115	An Investigation Into the Effects of Longâ€Term 50â€Hz Powerâ€Frequency Electromagnetic Field Exposure on Hematogram, Blood Chemistry, Fibrosis, and Oxidant Stress Status in the Liver and the Kidney From Sprague–Dawley Rats. Bioelectromagnetics, 2020, 41, 511-525.	0.9	3
116	Energy metabolism homeostasis in cardiovascular diseases.. Journal of Geriatric Cardiology, 2021, 18, 1044-1057.	0.2	3
117	The effects of extremely low frequency electromagnetic fields exposure at 1 mT on hemogram and blood biochemisgtry in rats. Electromagnetic Biology and Medicine, 2021, 40, 138-149.	0.7	2
118	Identification of Cardiac CircRNAs in Mice With CVB3-Induced Myocarditis. Frontiers in Cell and Developmental Biology, 2022, 10, 760509.	1.8	2
119	Effect of atorvastatin on tumor growth and metastasis in a breast cancer cell xenograft model and its mechanism. Frontiers of Medicine in China, 2009, 3, 443-446.	0.1	1
120	MicroRNAs in cardiovascular diseases. Medical Review, 2022, 2, 140-168.	0.3	1
121	A LIFE SUPPORT-BASED COMPREHENSIVE TREATMENT REGIMEN DRAMATICALLY LOWERS THE IN-HOSPITAL MORTALITY OF PATIENTS WITH FULMINANT MYOCARDITIS: A MULTIPLE CENTER STUDY. Journal of the American College of Cardiology, 2019, 73, 840.	1.2	0
122	A KEY GWAS-IDENTIFIED GENETIC VARIANT CONTRIBUTES TO HYPERLIPIDEMIA BY UP-REGULATING A SPECIFIC MICRORNA MIR-320A. Journal of the American College of Cardiology, 2020, 75, 2197.	1.2	0
123	å†çŠ¶åŠ¨è„‰å¾®å¾ªçŽ¯é‡æž„ä¸Žå¿ƒè¡€ç®¡ç—….... Scientia Sinica Vitae, 2022, , .	0.1	0