

# Bing Hui Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

3,400  
citations

126907

33  
h-index

149698

56  
g-index

91  
all docs

91  
docs citations

91  
times ranked

4924  
citing authors

#	ARTICLE	IF	CITATIONS
1	Does indoxyl sulfate, a uraemic toxin, have direct effects on cardiac fibroblasts and myocytes?. European Heart Journal, 2010, 31, 1771-1779.	2.2	256
2	Angiotensin Receptor Neprilysin Inhibitor LCZ696 Attenuates Cardiac Remodeling and Dysfunction After Myocardial Infarction by Reducing Cardiac Fibrosis and Hypertrophy. Circulation: Heart Failure, 2015, 8, 71-78.	3.9	238
3	Effect of Intra-articular Platelet-Rich Plasma vs Placebo Injection on Pain and Medial Tibial Cartilage Volume in Patients With Knee Osteoarthritis. JAMA - Journal of the American Medical Association, 2021, 326, 2021.	7.4	158
4	Cardiorenal Syndrome. Circulation Research, 2012, 111, 1470-1483.	4.5	150
5	Chronic Kidney Disease-Induced Cardiac Fibrosis Is Ameliorated by Reducing Circulating Levels of a Non-Dialysable Uremic Toxin, Indoxyl Sulfate. PLoS ONE, 2012, 7, e41281.	2.5	138
6	Diabetic Ketoacidosis at Diagnosis of Type 1 Diabetes Predicts Poor Long-term Glycemic Control. Diabetes Care, 2017, 40, 1249-1255.	8.6	124
7	Vitamin C-enriched gelatin supplementation before intermittent activity augments collagen synthesis. American Journal of Clinical Nutrition, 2017, 105, 136-143.	4.7	124
8	Renin-Angiotensin Blockade Combined With Natriuretic Peptide System Augmentation. Circulation: Heart Failure, 2013, 6, 594-605.	3.9	117
9	Effects of a Rho kinase inhibitor on pressure overload induced cardiac hypertrophy and associated diastolic dysfunction. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 294, H1804-H1814.	3.2	98
10	Disruption of PCP signaling causes limb morphogenesis and skeletal defects and may underlie Robinow syndrome and brachydactyly type B. Human Molecular Genetics, 2011, 20, 271-285.	2.9	97
11	Scutellarin alleviates interstitial fibrosis and cardiac dysfunction of infarct rats by inhibiting TGF $\beta$ 1 expression and activation of p38 $\alpha$ -MAPK and ERK1/2. British Journal of Pharmacology, 2011, 162, 688-700.	5.4	95
12	TRAF2 regulates TNF and NF- $\kappa$ B signalling to suppress apoptosis and skin inflammation independently of Sphingosine kinase 1. ELife, 2015, 4, .	6.0	75
13	Myocardial infarction impairs renal function, induces renal interstitial fibrosis, and increases renal KIM-1 expression: implications for cardiorenal syndrome. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H1884-H1893.	3.2	71
14	Inhibition of signal-regulated protein kinases by plant-derived hydrolysable tannins. Phytochemistry, 1995, 38, 307-314.	2.9	62
15	Selective inhibition of cyclic AMP-dependent protein kinase by amphiphilic triterpenoids and related compounds. Phytochemistry, 1996, 41, 55-63.	2.9	61
16	Cardiac fibrosis in the ageing heart: Contributors and mechanisms. Clinical and Experimental Pharmacology and Physiology, 2017, 44, 55-63.	1.9	60
17	Inhibition of Eukaryote Protein Kinases by Isoquinoline and Oxazine Alkaloids. Planta Medica, 1997, 63, 494-498.	1.3	56
18	LC-MS/MS quantification of N-acetylneuraminic acid, N-glycolylneuraminic acid and ketodeoxynonulosonic acid levels in the urine and potential relationship with dietary sialic acid intake and disease in 3- to 5-year-old children. British Journal of Nutrition, 2014, 111, 332-341.	2.3	53

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19	The Effects of a Calcium-Rich Pre-Exercise Meal on Biomarkers of Calcium Homeostasis in Competitive Female Cyclists: A Randomised Crossover Trial. <i>PLoS ONE</i> , 2015, 10, e0123302.	2.5	51
20	Reduced Reperfusion-Induced Ins(1,4,5)P <sub>3</sub> Generation and Arrhythmias in Hearts Expressing Constitutively Active $\beta$ -Adrenergic Receptors. <i>Circulation Research</i> , 1998, 83, 1232-1240.	4.5	49
21	Angiotensin receptor neprilysin inhibition provides superior cardioprotection compared to angiotensin converting enzyme inhibition after experimental myocardial infarction. <i>International Journal of Cardiology</i> , 2018, 258, 192-198.	1.7	48
22	Inhibition of Eukaryote Serine/Threonine-Specific Protein Kinases by Piceatannol. <i>Planta Medica</i> , 1998, 64, 195-199.	1.3	47
23	Specific inhibition of cyclic amp-dependent protein kinase by warangalone and robustic acid. <i>Phytochemistry</i> , 1997, 44, 787-796.	2.9	46
24	Cardiorenal syndrome: Multi-organ dysfunction involving the heart, kidney and vasculature. <i>British Journal of Pharmacology</i> , 2020, 177, 2906-2922.	5.4	46
25	Lactoferrin up-regulates intestinal gene expression of brain-derived neurotrophic factors BDNF, UCHL1 and alkaline phosphatase activity to alleviate early weaning diarrhea in postnatal piglets. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 834-842.	4.2	42
26	Antagonists of organic anion transporters 1 and 3 ameliorate adverse cardiac remodelling induced by uremic toxin indoxyl sulfate. <i>International Journal of Cardiology</i> , 2012, 158, 457-458.	1.7	41
27	Soluble epoxide hydrolase inhibition exerts beneficial anti-remodeling actions post-myocardial infarction. <i>International Journal of Cardiology</i> , 2013, 167, 210-219.	1.7	40
28	Differential inhibition of eukaryote protein kinases by condensed tannins. <i>Phytochemistry</i> , 1996, 43, 359-365.	2.9	38
29	Potential mechanisms underlying the cardiovascular benefits of sodium glucose cotransporter 2 inhibitors: a systematic review of data from preclinical studies. <i>Cardiovascular Research</i> , 2019, 115, 266-276.	3.8	38
30	Subtotal nephrectomy accelerates pathological cardiac remodeling post-myocardial infarction: Implications for cardiorenal syndrome. <i>International Journal of Cardiology</i> , 2013, 168, 1866-1880.	1.7	37
31	Vasculopathy in the setting of cardiorenal syndrome: roles of protein-bound uremic toxins. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H1-H13.	3.2	36
32	Cost-effectiveness of dapagliflozin in chronic heart failure: an analysis from the Australian healthcare perspective. <i>European Journal of Preventive Cardiology</i> , 2021, 28, 975-982.	1.8	35
33	Molecular Determinants of Milk Lactoferrin as a Bioactive Compound in Early Neurodevelopment and Cognition. <i>Journal of Pediatrics</i> , 2016, 173, S29-S36.	1.8	34
34	Cardiorenal fibrosis and dysfunction in aging: Imbalance in mediators and regulators of collagen. <i>Peptides</i> , 2016, 76, 108-114.	2.4	34
35	Inositol Polyphosphate 1-Phosphatase Is a Novel Antihypertrophic Factor. <i>Journal of Biological Chemistry</i> , 2002, 277, 22734-22742.	3.4	33
36	Efficacy of intra-articular injections of platelet-rich plasma as a symptom- and disease-modifying treatment for knee osteoarthritis - the RESTORE trial protocol. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 272.	1.9	31

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37	The role of dihydrosphingolipids in disease. Cellular and Molecular Life Sciences, 2019, 76, 1107-1134.	5.4	31
38	The Uremic Toxin Adsorbent AST-120 Abrogates Cardiorenal Injury Following Myocardial Infarction. PLoS ONE, 2013, 8, e83687.	2.5	30
39	The hybrid molecule, VCP746, is a potent adenosine A2B receptor agonist that stimulates anti-fibrotic signalling. Biochemical Pharmacology, 2016, 117, 46-56.	4.4	30
40	Combined angiotensin receptor blockade and neprilysin inhibition attenuates angiotensin-II mediated renal cellular collagen synthesis. International Journal of Cardiology, 2015, 186, 104-105.	1.7	29
41	Early and Delayed Tranilast Treatment Reduces Pathological Fibrosis Following Myocardial Infarction. Heart Lung and Circulation, 2013, 22, 122-132.	0.4	28
42	Contribution of microRNA to pathological fibrosis in cardio-renal syndrome: impact of uremic toxins. Physiological Reports, 2015, 3, e12371.	1.7	27
43	Developmental changes in the level of free and conjugated sialic acids, Neu5Ac, Neu5Gc and KDN in different organs of pig: a LC-MS/MS quantitative analyses. Glycoconjugate Journal, 2017, 34, 21-30.	2.7	27
44	The Fungal Teratogen Secalonic Acid D is an Inhibitor of Protein Kinase C and of Cyclic AMP-Dependent Protein Kinase. Planta Medica, 1996, 62, 111-114.	1.3	26
45	Apoptosis signal-regulating kinase 1 inhibition attenuates cardiac hypertrophy and cardiorenal fibrosis induced by uremic toxins: Implications for cardiorenal syndrome. PLoS ONE, 2017, 12, e0187459.	2.5	26
46	Vitamin D supplementation and inflammatory and metabolic biomarkers in patients with knee osteoarthritis: <i>post hoc</i> analysis of a randomised controlled trial. British Journal of Nutrition, 2018, 120, 41-48.	2.3	22
47	Increased Cardiomyocyte Alignment and Intracellular Calcium Transients Using Micropatterned and Drug-Releasing Poly(Glycerol Sebacate) Elastomers. ACS Biomaterials Science and Engineering, 2018, 4, 2494-2504.	5.2	21
48	Prediction of incident heart failure by serum amino-terminal pro-B-type natriuretic peptide level in a community-based cohort. European Journal of Heart Failure, 2019, 21, 449-459.	7.1	21
49	VCP746, a novel A <sub>1</sub> adenosine receptor biased agonist, reduces hypertrophy in a rat neonatal cardiac myocyte model. Clinical and Experimental Pharmacology and Physiology, 2016, 43, 976-982.	1.9	20
50	Characterization of Cardiac Sympathetic Nervous System and Inflammatory Activation in HFpEF Patients. JACC Basic To Translational Science, 2022, 7, 116-127.	4.1	20
51	Celecoxib, but not rofecoxib or naproxen, attenuates cardiac hypertrophy and fibrosis induced <i>in vitro</i> by angiotensin and aldosterone. Clinical and Experimental Pharmacology and Physiology, 2010, 37, 912-918.	1.9	18
52	Evaluation of the Effects of Urotensin II and Soluble Epoxide Hydrolase Inhibitor on Skin Microvessel Tone in Healthy Controls and Heart Failure Patients. Cardiovascular Therapeutics, 2012, 30, 295-300.	2.5	18
53	Cardiorenal syndrome: Pathophysiology, preclinical models, management and potential role of uraemic toxins. Clinical and Experimental Pharmacology and Physiology, 2012, 39, 692-700.	1.9	18
54	Attenuating PI3K/Akt- mTOR pathway reduces dihydrosphingosine 1 phosphate mediated collagen synthesis and hypertrophy in primary cardiac cells. International Journal of Biochemistry and Cell Biology, 2021, 134, 105952.	2.8	18

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55	Chronic urotensin II receptor antagonist treatment does not alter hypertrophy or fibrosis in a rat model of pressure-overload hypertrophy. <i>Peptides</i> , 2010, 31, 1523-1530.	2.4	16
56	Exogenous dihydrosphingosine 1 phosphate mediates collagen synthesis in cardiac fibroblasts through JAK/STAT signalling and regulation of TIMP1. <i>Cellular Signalling</i> , 2020, 72, 109629.	3.6	15
57	Design, Synthesis, and Biological Evaluation of Tetra-Substituted Thiophenes as Inhibitors of p38 MAPK. <i>ChemistryOpen</i> , 2015, 4, 56-64.	1.9	12
58	Molecular mechanisms of protein-bound uremic toxin-mediated cardiac, renal and vascular effects: underpinning intracellular targets for cardiorenal syndrome therapy. <i>Toxicology Letters</i> , 2019, 308, 34-49.	0.8	12
59	Adolescent confidence in immunisation: Assessing and comparing attitudes of adolescents and adults. <i>Vaccine</i> , 2016, 34, 5595-5603.	3.8	11
60	The impact of coronary heart disease prevention on work productivity: a 10-year analysis. <i>European Journal of Preventive Cardiology</i> , 2021, 28, 418-425.	1.8	11
61	Inhibition of apoptosis signal-regulating kinase 1 ameliorates left ventricular dysfunction by reducing hypertrophy and fibrosis in a rat model of cardiorenal syndrome. <i>International Journal of Cardiology</i> , 2020, 310, 128-136.	1.7	10
62	Functional Correlates and Impact of Dietary Lactoferrin Intervention and its Concentration-dependence on Neurodevelopment and Cognition in Neonatal Piglets. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2001099.	3.3	10
63	Development of new population-averaged standard templates for spatial normalization and segmentation of MR images for postnatal piglet brains. <i>Magnetic Resonance Imaging</i> , 2014, 32, 1396-1402.	1.8	9
64	Inhibition of Apoptosis Signal-Regulating Kinase 1 Attenuates Myocyte Hypertrophy and Fibroblast Collagen Synthesis. <i>Heart Lung and Circulation</i> , 2019, 28, 495-504.	0.4	9
65	Cost-Effectiveness of Switching Patients With Heart Failure and Reduced Ejection Fraction to Sacubitril/Valsartan: The Australian Perspective. <i>Heart Lung and Circulation</i> , 2020, 29, 1310-1317.	0.4	9
66	Association of expression of ZNF606 gene from monocytes with the risk of coronary artery disease. <i>Clinical Biochemistry</i> , 2018, 60, 44-51.	1.9	8
67	Association between urinary C-telopeptide fragments of type II collagen and knee structure in middle-aged women without clinical knee disease. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 1136-1141.	1.3	7
68	Molecular characterization and expression analyses of ST8Sia II and IV in piglets during postnatal development: lack of correlation between transcription and posttranslational levels. <i>Glycoconjugate Journal</i> , 2015, 32, 715-728.	2.7	7
69	Apoptosis signal-regulating kinase 1 inhibition reverses deleterious indoxyl sulfate-mediated endothelial effects. <i>Life Sciences</i> , 2021, 272, 119267.	4.3	7
70	Sphingolipid imbalance and inflammatory effects induced by uremic toxins in heart and kidney cells are reversed by dihydroceramide desaturase 1 inhibition. <i>Toxicology Letters</i> , 2021, 350, 133-142.	0.8	7
71	Chronic kidney disease with comorbid cardiac dysfunction exacerbates cardiac and renal damage. <i>Journal of Cellular and Molecular Medicine</i> , 2018, 22, 628-645.	3.6	6
72	Human Cytomegalovirus-Encoded microRNAs Can Be Found in Saliva Samples from Renal Transplant Recipients. <i>Non-coding RNA</i> , 2020, 6, 50.	2.6	6

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73	The Preventable Productivity Burden of Kidney Disease in Australia. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 938-949.	6.1	6
74	Neurodevelopmental outcomes of healthy Chinese term infants fed infant formula enriched in bovine milk fat globule membrane for 12 months - A randomized controlled trial. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2021, 30, 401-414.	0.4	6
75	Suitable hepatitis B vaccine for adult immunization in China. <i>Immunologic Research</i> , 2016, 64, 242-250.	2.9	5
76	DeepSCP: utilizing deep learning to boost single-cell proteome coverage. <i>Briefings in Bioinformatics</i> , 2022, 23, .	6.5	5
77	The effect of dihydroceramide desaturase 1 inhibition on endothelial impairment induced by indoxyl sulfate. <i>Vascular Pharmacology</i> , 2021, 141, 106923.	2.1	4
78	The Challenges of Stem Cell Therapy in Myocardial Infarction and Heart Failure and the Potential Strategies to Improve the Outcomes. <i>Nano LIFE</i> , 2018, 08, 1841008.	0.9	3
79	Measurement of Functional Capacity to Discriminate Clinical from Subclinical Heart Failure in Patients ≥65 Years of Age. <i>American Journal of Cardiology</i> , 2020, 127, 84-91.	1.6	3
80	Dihydrosphingosine driven enrichment of sphingolipids attenuates TGF $\beta$ 2 induced collagen synthesis in cardiac fibroblasts. <i>IJC Heart and Vasculature</i> , 2021, 35, 100837.	1.1	3
81	Indoxyl sulfate stimulates oxidized LDL uptake through up-regulation of CD36 expression in THP-1 macrophages. <i>Journal of Applied Biomedicine</i> , 2014, 12, 203-209.	1.7	1
82	Angiotensin receptor neprilysin inhibitor LCZ696: pharmacology, pharmacokinetics and clinical development. <i>Future Cardiology</i> , 2017, 13, 103-115.	1.2	1
83	Potential Mechanisms Underlying Therapeutic Benefits of Stem Cell for Heart Failure. <i>Nano LIFE</i> , 2019, 09, 1941004.	0.9	0
84	RE: ASK1, a new target in treating cardiorenal syndrome (CRS). <i>International Journal of Cardiology</i> , 2020, 316, 207.	1.7	0
85	RE: Inhibition of apoptosis signal-regulating kinase 1 might be a novel therapeutic target in the treatment of cardiorenal syndrome. <i>International Journal of Cardiology</i> , 2021, 323, 260.	1.7	0
86	Sirtuin 2 expression levels may predict the progression of sepsis survivors to chronic critical illness. <i>Annals of Translational Medicine</i> , 2021, 9, 150-150.	1.7	0
87	RE: Blockade of apoptosis signal-regulating kinase 1 ameliorates cardiac dysfunction in cardiorenal syndrome via enhancing angiogenesis. <i>International Journal of Cardiology</i> , 2021, 326, 156.	1.7	0
88	Milk lactoferrin supplementation enhances early brain development and cognition in postnatal piglets (1045.27). <i>FASEB Journal</i> , 2014, 28, 1045.27.	0.5	0
89	Adenosine G Protein-Coupled Receptor Biased Agonism to Treat Ischemic Heart Disease. <i>FASEB Journal</i> , 2018, 32, 555.19.	0.5	0
90	Physiologic Insights Into Long COVID Breathlessness. <i>Circulation: Heart Failure</i> , 2022, 15, 101161CIRCHEARTFAILURE121009346.	3.9	0