Xiao-Jian Wang

List of Publications by Year
in descending order

49 papers	1,223 citations	430754 18 h-index	395590 33 g-index
52 all docs	52 docs citations	52 times ranked	1892 citing authors

#	Article	IF	Citations
1	BMPR2 mutations and survival in pulmonary arterial hypertension: an individual participant data meta-analysis. Lancet Respiratory Medicine,the, 2016, 4, 129-137.	5.2	307
2	Germline BMP9 mutation causes idiopathic pulmonary arterial hypertension. European Respiratory Journal, 2019, 53, 1801609.	3.1	90
3	Adventitial Cell Atlas of wt (Wild Type) and ApoE (Apolipoprotein E)-Deficient Mice Defined by Single-Cell RNA Sequencing. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 1055-1071.	1.1	78
4	Inhibitory effects of flavonoids on P-glycoprotein in vitro and in vivo: Food/herb-drug interactions and structureâ€“activity relationships. Toxicology and Applied Pharmacology, 2019, 369, 49-59.	1.3	51
5	Inhibition of CRTH2-mediated Th2 activation attenuates pulmonary hypertension in mice. Journal of Experimental Medicine, 2018, 215, 2175-2195.	4.2	48
6	Highly Efficient and Versatile Synthesis of Lactams and N-Heterocycles via Al(OTf)₃-Catalyzed Cascade Cyclization and Ionic Hydrogenation Reactions. Organic Letters, 2014, 16, 190-192.	2.4	44
7	Evaluation of inhibitory effects of flavonoids on breast cancer resistance protein (BCRP): From library screening to biological evaluation to structure-activity relationship. Toxicology in Vitro, 2019, 61, 104642.	1.1	41
8	XGraphBoost: Extracting Graph Neural Network-Based Features for a Better Prediction of Molecular Properties. Journal of Chemical Information and Modeling, 2021, 61, 2697-2705.	2.5	41
9	Design, Synthesis, and Biological Evaluation of Amidobenzimidazole Derivatives as Stimulator of Interferon Genes (STING) Receptor Agonists. Journal of Medicinal Chemistry, 2020, 63, 260-282.	2.9	39
10	Machine Learning Models Based on Molecular Fingerprints and an Extreme Gradient Boosting Method Lead to the Discovery of JAK2 Inhibitors. Journal of Chemical Information and Modeling, 2019, 59, 5002-5012.	2.5	36
11	The haplotype of the growth-differentiation factor 15 gene is associated with left ventricular hypertrophy in human essential hypertension. Clinical Science, 2010, 118, 137-145.	1.8	30
12	TNNI3K, a Cardiac-Specific Kinase, Promotes Physiological Cardiac Hypertrophy in Transgenic Mice. PLoS ONE, 2013, 8, e58570.	1.1	27
13	Association of Rare PTGIS Variants With Susceptibility and Pulmonary Vascular Response in Patients With Idiopathic Pulmonary Arterial Hypertension. JAMA Cardiology, 2020, 5, 677.	3.0	26
14	Elevated levels of plasma transforming growth factor-Î²1 in idiopathic and heritable pulmonary arterial hypertension. International Journal of Cardiology, 2016, 222, 368-374.	0.8	23
15	Development of a selective S1P1 receptor agonist, Syl930, as a potential therapeutic agent for autoimmune encephalitis. Biochemical Pharmacology, 2014, 90, 50-61.	2.0	21
16	Design, synthesis and docking-based 3D-QSAR study of novel 2-substituted 2-aminopropane-1,3-diols as potent and selective agonists of sphingosine-1-phosphate 1 (S1P1) receptor. MedChemComm, 2013, 4, 1267.	3.5	19
17	Recent progress towards ionic hydrogenation: Lewis acid catalyzed hydrogenation using organosilanes as donors of hydride ions. RSC Advances, 2015, 5, 75794-75805.	1.7	18
18	Assembly of substituted phenanthridines via a cascade palladium-catalyzed coupling reaction, deprotection and intramolecular cyclization. RSC Advances, 2016, 6, 19571-19575.	1.7	18

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19	One-Pot Synthesis of O-Heterocycles or Aryl Ketones Using an InCl₃/Et₃SiH System by Switching the Solvent. Journal of Organic Chemistry, 2019, 84, 5141-5149.	1.7	18
20	A novel S1P1 modulator IMMH002 ameliorates psoriasis in multiple animal models. Acta Pharmaceutica Sinica B, 2020, 10, 276-288.	5.7	18
21	Heart-specific overexpression of (pro)renin receptor induces atrial fibrillation in mice. International Journal of Cardiology, 2015, 184, 28-35.	0.8	16
22	Synthesis of Dihydrobenzoheterocycles through Al(OTf)₃-Mediated Cascade Cyclization and Ionic Hydrogenation. Journal of Organic Chemistry, 2014, 79, 9678-9685.	1.7	14
23	Diversity-Oriented Synthesis of Heterocycles: Al(OTf)₃-Promoted Cascade Cyclization and Ionic Hydrogenation. Journal of Organic Chemistry, 2018, 83, 1387-1393.	1.7	14
24	One-pot synthesis of 4-methylisoquinolines via a sequential Pd-catalyzed Heck reaction and intramolecular cyclization. Organic and Biomolecular Chemistry, 2013, 11, 7262.	1.5	12
25	Discovery of oxazole and triazole derivatives as potent and selective S1P1 agonists through pharmacophore-guided design. European Journal of Medicinal Chemistry, 2014, 85, 1-15.	2.6	12
26	Plasma growth differentiation factor 15 predicts first-ever stroke in hypertensive patients. Medicine (United States), 2016, 95, e4342.	0.4	12
27	Heterotropic activation of flavonoids on cytochrome P450 3A4: A case example of alleviating dronedarone-induced cytotoxicity. Toxicology Letters, 2020, 319, 187-196.	0.4	12
28	A facile preparation of tetralins from arene-1,4-diones using titanium(IV) chloride and triethylsilane. Tetrahedron Letters, 2011, 52, 6827-6830.	0.7	11
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37	Design, synthesis, and biological evaluation of pyrrolopyrimidine derivatives as novel Bruton's tyrosine kinase (BTK) inhibitors. European Journal of Medicinal Chemistry, 2022, 241, 114611.	2.6	7
38	Discovery of novel sphingosine kinase 1 inhibitorsvia structure-based hierarchical virtual screening. MedChemComm, 2015, 6, 413-417.	3.5	6
39	A Computational Approach to the Study of the Binding Mode of S1P₁R Agonists Based on the Active-Like Receptor Model. Journal of Chemical Information and Modeling, 2019, 59, 1624-1633.	2.5	6
40	EphA4 is highly expressed in the atria of heart and its deletion leads to atrial hypertrophy and electrocardiographic abnormalities in rats. Life Sciences, 2021, 278, 119595.	2.0	6
41	Pharmacokinetics of H002, a novel S1PR1 modulator, and its metabolites in rat blood using liquid chromatographyâ€“tandem mass spectrometry. Acta Pharmaceutica Sinica B, 2016, 6, 576-583.	5.7	5
42	Mimvec: a deep learning approach for analyzing the human phenome. BMC Systems Biology, 2017, 11, 76.	3.0	5
43	Identification and Structureâ€“Activity Relationship (SAR) of potent and selective oxadiazole-based agonists of sphingosine-1-phosphate receptor (S1P1). Bioorganic Chemistry, 2019, 82, 41-57.	2.0	3
44	The features of rare pathogenic BMPR2 variants in pulmonary arterial hypertension: Comparison between patients and reference population. International Journal of Cardiology, 2020, 318, 138-143.	0.8	3
45	LiCl-promoted amination of Î²-methoxy amides (Î³-lactones). RSC Advances, 2020, 10, 34938-34942.	1.7	3
46	Angiopoietin 2 as a Novel Potential Biomarker for Acute Aortic Dissection. Frontiers in Cardiovascular Medicine, 2021, 8, 743519.	1.1	3
47	Quantitative determination of 2-amino-2-(2-(4â€²-(2-propyloxazol-4-yl)-[1,1â€²-biphenyl]-4-yl)ethyl)propane-1,3-diol and its active phosphorylated metabolite in rat blood by LCâ€“MS/MS and application to PK/PD analysis. Analytical and Bioanalytical Chemistry, 2015, 407, 7511-7516.	1.9	2
48	Text Mining-Based Drug Discovery for Connective Tissue Diseaseâ€“Associated Pulmonary Arterial Hypertension. Frontiers in Pharmacology, 2022, 13, 743210.	1.6	2
49	Research update for articles published in <scp>EJCI</scp> in 2013. European Journal of Clinical Investigation, 2015, 45, 1005-1016.	1.7	1