

Xiao-Jian Wang

List of Publications by Year in descending order

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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	Text Mining-Based Drug Discovery for Connective Tissue Disease-Associated Pulmonary Arterial Hypertension. <i>Frontiers in Pharmacology</i> , 2022, 13, 743210.	1.6	2
2	Design, synthesis, and biological evaluation of pyrrolopyrimidine derivatives as novel Bruton's tyrosine kinase (BTK) inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2022, 241, 114611.	2.6	7
3	Machine Learning Enhanced Spectrum Recognition Based on Computer Vision (SRCV) for Intelligent NMR Data Extraction. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 21-25.	2.5	9
4	XGraphBoost: Extracting Graph Neural Network-Based Features for a Better Prediction of Molecular Properties. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 2697-2705.	2.5	41
5	EphA4 is highly expressed in the atria of heart and its deletion leads to atrial hypertrophy and electrocardiographic abnormalities in rats. <i>Life Sciences</i> , 2021, 278, 119595.	2.0	6
6	Cross-Modal Retrieval between ¹³ C NMR Spectra and Structures for Compound Identification Using Deep Contrastive Learning. <i>Analytical Chemistry</i> , 2021, 93, 16947-16955.	3.2	8
7	Angiotensin 2 as a Novel Potential Biomarker for Acute Aortic Dissection. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 743519.	1.1	3
8	Design, Synthesis, and Biological Evaluation of Amidobenzimidazole Derivatives as Stimulator of Interferon Genes (STING) Receptor Agonists. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 260-282.	2.9	39
9	A novel S1P1 modulator IMM002 ameliorates psoriasis in multiple animal models. <i>Acta Pharmaceutica Sinica B</i> , 2020, 10, 276-288.	5.7	18
10	Heterotropic activation of flavonoids on cytochrome P450 3A4: A case example of alleviating dronedarone-induced cytotoxicity. <i>Toxicology Letters</i> , 2020, 319, 187-196.	0.4	12
11	The features of rare pathogenic BMP2 variants in pulmonary arterial hypertension: Comparison between patients and reference population. <i>International Journal of Cardiology</i> , 2020, 318, 138-143.	0.8	3
12	Integrin $\alpha 9$ is involved in the pathogenesis of acute aortic dissection via mediating phenotype switch of vascular smooth muscle cell. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 519-525.	1.0	7
13	LiCl-promoted amination of β -methoxy amides (β -lactones). <i>RSC Advances</i> , 2020, 10, 34938-34942.	1.7	3
14	Association of Rare <i>PTGIS</i> Variants With Susceptibility and Pulmonary Vascular Response in Patients With Idiopathic Pulmonary Arterial Hypertension. <i>JAMA Cardiology</i> , 2020, 5, 677.	3.0	26
15	Sphingosine-1-Phosphate Receptor Subtype 1 (S1P1) Modulator IMM001 Regulates Adjuvant- and Collagen-Induced Arthritis. <i>Frontiers in Pharmacology</i> , 2019, 10, 1085.	1.6	10
16	Structure-based analysis and biological characterization of imatinib derivatives reveal insights towards the inhibition of wild-type BCR-ABL and its mutants. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 126758.	1.0	10
17	Evaluation of inhibitory effects of flavonoids on breast cancer resistance protein (BCRP): From library screening to biological evaluation to structure-activity relationship. <i>Toxicology in Vitro</i> , 2019, 61, 104642.	1.1	41
18	One-Pot Synthesis of O-Heterocycles or Aryl Ketones Using an $\text{InCl}_3/\text{Et}_3\text{SiH}$ System by Switching the Solvent. <i>Journal of Organic Chemistry</i> , 2019, 84, 5141-5149.	1.7	18

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19	A Computational Approach to the Study of the Binding Mode of S1P ₁ Agonists Based on the Active-Like Receptor Model. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 1624-1633.	2.5	6
20	Adventitial Cell Atlas of wt (Wild Type) and ApoE (Apolipoprotein E)-Deficient Mice Defined by Single-Cell RNA Sequencing. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1055-1071.	1.1	78
21	Inhibitory effects of flavonoids on P-glycoprotein in vitro and in vivo: Food/herb-drug interactions and structure-activity relationships. <i>Toxicology and Applied Pharmacology</i> , 2019, 369, 49-59.	1.3	51
22	Machine Learning Models Based on Molecular Fingerprints and an Extreme Gradient Boosting Method Lead to the Discovery of JAK2 Inhibitors. <i>Journal of Chemical Information and Modeling</i> , 2019, 59, 5002-5012.	2.5	36
23	Germline <i>BMP9</i> mutation causes idiopathic pulmonary arterial hypertension. <i>European Respiratory Journal</i> , 2019, 53, 1801609.	3.1	90
24	Identification and Structure-Activity Relationship (SAR) of potent and selective oxadiazole-based agonists of sphingosine-1-phosphate receptor (S1P1). <i>Bioorganic Chemistry</i> , 2019, 82, 41-57.	2.0	3
25	Diversity-Oriented Synthesis of Heterocycles: Al(OTf) ₃ -Promoted Cascade Cyclization and Ionic Hydrogenation. <i>Journal of Organic Chemistry</i> , 2018, 83, 1387-1393.	1.7	14
26	Inhibition of CRTH2-mediated Th2 activation attenuates pulmonary hypertension in mice. <i>Journal of Experimental Medicine</i> , 2018, 215, 2175-2195.	4.2	48
27	Mimvec: a deep learning approach for analyzing the human phenome. <i>BMC Systems Biology</i> , 2017, 11, 76.	3.0	5

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37	Recent progress towards ionic hydrogenation: Lewis acid catalyzed hydrogenation using organosilanes as donors of hydride ions. <i>RSC Advances</i> , 2015, 5, 75794-75805.	1.7	18
38	Discovery of novel sphingosine kinase 1 inhibitors via structure-based hierarchical virtual screening. <i>MedChemComm</i> , 2015, 6, 413-417.	3.5	6
39	Synthesis of Dihydrobenzoheterocycles through Al(OTf) ₃ -Mediated Cascade Cyclization and Ionic Hydrogenation. <i>Journal of Organic Chemistry</i> , 2014, 79, 9678-9685.	1.7	14
40	Discovery of oxazole and triazole derivatives as potent and selective S1P1 agonists through pharmacophore-guided design. <i>European Journal of Medicinal Chemistry</i> , 2014, 85, 1-15.	2.6	12
41	Highly Efficient and Versatile Synthesis of Lactams and <i>N</i> -Heterocycles via Al(OTf) ₃ -Catalyzed Cascade Cyclization and Ionic Hydrogenation Reactions. <i>Organic Letters</i> , 2014, 16, 190-192.	2.4	44
42	Development of a selective S1P1 receptor agonist, Syl930, as a potential therapeutic agent for autoimmune encephalitis. <i>Biochemical Pharmacology</i> , 2014, 90, 50-61.	2.0	21
43	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. <i>MedChemComm</i> , 2013, 4, 1267.	3.5	19
44	An efficient synthesis of substituted 1,4-diazepines by a Pd catalyzed amination and sequential hydrogenation condensation. <i>Chinese Chemical Letters</i> , 2013, 24, 743-746.	4.8	7
45	One-pot synthesis of 4-methylisoquinolines via a sequential Pd-catalyzed Heck reaction and intramolecular cyclization. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7262.	1.5	12
46	TNNI3K, a Cardiac-Specific Kinase, Promotes Physiological Cardiac Hypertrophy in Transgenic Mice. <i>PLoS ONE</i> , 2013, 8, e58570.	1.1	27
47	Hypertension associated polymorphisms in WNK1 / WNK4 are not associated with hydrochlorothiazide response. <i>Clinical Biochemistry</i> , 2011, 44, 1045-1049.	0.8	9
48	A facile preparation of tetralins from arene-1,4-diones using titanium(IV) chloride and triethylsilane. <i>Tetrahedron Letters</i> , 2011, 52, 6827-6830.	0.7	11
49	The haplotype of the growth-differentiation factor 15 gene is associated with left ventricular hypertrophy in human essential hypertension. <i>Clinical Science</i> , 2010, 118, 137-145.	1.8	30