Xiang-Yang Li

List of Publications by Year
in descending order

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62	1,600	304743	330143
papers	citations	22 h-index	37 g-index

63	63	63	1376
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insights into a rapid screening method for anti-cucumber mosaic virus compounds. Journal of Virological Methods, 2022, 301, 114402.	2.1	2
2	Expression Analysis Reveals That Sorghum Disease Resistance Protein SbSGT1 Is Regulated by Auxin. Biology, 2022, 11, 67.	2.8	1
3	Characterization of histone deacetylases and their roles in response to abiotic and PAMPs stresses in Sorghum bicolor. BMC Genomics, 2022, 23, 28.	2.8	9
4	Enabling fast-charging selenium-based aqueous batteries via conversion reaction with copper ions. Nature Communications, 2022, 13, 1863.	12.8	27
5	Methyl Eugenol Binds Recombinant Gamma-Aminobutyric Acid Receptor-Associated Protein from the Western Flower Thrips Frankliniella occidentalis. Journal of Agricultural and Food Chemistry, 2022, , .	5.2	8
6	Interactions between stipuol enantiomers and human serum albumin. Food Chemistry, 2022, 385, 132686.	8.2	6
7	Integrative Analysis of Metabolomics and Transcriptomics Reveals Molecular Mechanisms of Anthocyanin Metabolism in the Zikui Tea Plant (Camellia sinensis cv. Zikui). International Journal of Molecular Sciences, 2022, 23, 4780.	4.1	22
8	Experimental Study on Dynamic Characteristics of Annular Coal Mine Sandstone after Different Temperatures. Advances in Civil Engineering, 2022, 2022, 1-10.	0.7	1
9	Fast constructing polarity-switchable zinc-bromine microbatteries with high areal energy density. Science Advances, 2022, 8, .	10.3	19
10	Plant Viral Coat Proteins as Biochemical Targets for Antiviral Compounds. Journal of Agricultural and Food Chemistry, 2022, 70, 8892-8900.	5.2	9
11	Phenolic-amine chemistry mediated synergistic modification with polyphenols and thrombin inhibitor for combating the thrombosis and inflammation of cardiovascular stents. Biomaterials, 2021, 269, 120626.	11.4	47
12	Advanced biotechnology-assisted precise sonodynamic therapy. Chemical Society Reviews, 2021, 50, 11227-11248.	38.1	219
13	Exogenous Strigolactones alleviate KCl stress by regulating photosynthesis, ROS migration and ion transport in Malus hupehensis Rehd. Plant Physiology and Biochemistry, 2021, 159, 113-122.	5.8	46
14	Research on the Interaction Mechanism Between Î± Mino-Phosphonate Derivative Q-R and Harpin-Binding Protein 1 in Tobacco (Nicotiana tabacum) Plants. Frontiers in Microbiology, 2021, 12, 621875.	3.5	0
15	Ecology and Evolution of Marine Fungi With Their Adaptation to Climate Change. Frontiers in Microbiology, 2021, 12, 719000.	3.5	13
16	Resveratrol improves the iron deficiency adaptation of Malus baccata seedlings by regulating iron absorption. BMC Plant Biology, 2021, 21, 433.	3.6	7
17	Cytochrome P450 Superfamily: Evolutionary and Functional Divergence in Sorghum (Sorghum) Tj ETQq1 1 0.784314 rgBT /Overlo	5.2	9
18	Biomedical applications of Pt(II) metallacycle/metallacage-based agents: From mono-chemotherapy to versatile imaging contrasts and theranostic platforms. Coordination Chemistry Reviews, 2021, 443, 214017.	18.8	57

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19	Histone deacetylase SbHDT701 in Sorghum bicolor reveals functions in response to stress factors by enhancing acetylation. Pesticide Biochemistry and Physiology, 2021, 178, 104908.	3.6	2
20	Carbene-catalyzed enantioselective annulation of dinucleophilic hydrazones and bromoenals for access to aryl-dihydropyridazinones and related drugs. Chemical Science, 2021, 12, 8778-8783.	7.4	14
21	Screening anti-TMV agents targeting tobacco mosaic virus helicase protein. Pesticide Biochemistry and Physiology, 2020, 166, 104449.	3.6	18
22	Review on Structures of Pesticide Targets. International Journal of Molecular Sciences, 2020, 21, 7144.	4.1	21
23	Data-independent acquisition proteomic analysis of biochemical factors in rice seedlings following treatment with chitosan oligosaccharides. Pesticide Biochemistry and Physiology, 2020, 170, 104681.	3.6	8
24	Response to the Cold Stress Signaling of the Tea Plant (Camellia sinensis) Elicited by Chitosan Oligosaccharide. Agronomy, 2020, 10, 915.	3.0	26
25	Design, Synthesis, Antiviral Bioactivity, and Mechanism of the Ferulic Acid Ester-Containing Sulfonamide Moiety. ACS Omega, 2020, 5, 19721-19726.	3.5	23
26	Identification and Functional Characterization of a Sigma Glutathione S-Transferase CpGSTs2 Involved in Î»-Cyhalothrin Resistance in the Codling Moth Cydia pomonella. Journal of Agricultural and Food Chemistry, 2020, 68, 12585-12594.	5.2	18
27	Discovery of Dithioacetal Derivatives Containing Sulfonamide Moiety of Novel Antiviral Agents by TMV Coat Protein as a Potential Target. ACS Omega, 2020, 5, 22596-22602.	3.5	18
28	Metal-catechol-(amine) networks for surface synergistic catalytic modïï¬cation: Therapeutic gas generation and biomolecule grafting. Biomaterials, 2020, 248, 119981.	11.4	37
29	Introduction of two predators to control Dendrothrips minowai (Thysanoptera: Thripidae) in tea (Camellia sinensis) plantations in China. Biocontrol Science and Technology, 2020, 30, 431-441.	1.3	7
30	Mussel-inspired â€œbuilt-upâ€•surface chemistry for combining nitric oxide catalytic and vascular cell selective properties. Biomaterials, 2020, 241, 119904.	11.4	54
31	Endothelium-Mimicking Multifunctional Coating Modified Cardiovascular Stents via a Stepwise Metal-Catechol-(Amine) Surface Engineering Strategy. Research, 2020, 2020, 9203906.	5.7	81
32	Biological activity evaluation and action mechanism of chalcone derivatives containing thiophene sulfonate. RSC Advances, 2019, 9, 24942-24950.	3.6	31
33	Screening of a potential leafhopper attractants and their applications in tea plantations. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2019, 54, 858-865.	1.5	3
34	Carbene-Catalyzed Î±-Carbon Amination of Chloroaldehydes for Enantioselective Access to Dihydroquinoxaline Derivatives. Organic Letters, 2019, 21, 4340-4344.	4.6	37
35	Recent advances on small-molecule fluorophores with emission beyond 1000â€‰nm for better molecular imaging in vivo. Chinese Chemical Letters, 2019, 30, 1731-1737.	9.0	73
36	Design, synthesis, antiviral bioactivities and interaction mechanisms of penta-1,4-diene-3-one oxime ether derivatives containing a quinazolin-4(3H)-one scaffold. BMC Chemistry, 2019, 13, 34.	3.8	19

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37	Activation of biochemical factors in CMV-infected tobacco by ningnanmycin. Pesticide Biochemistry and Physiology, 2019, 156, 116-122.	3.6	9
38	Cucumber mosaic virus coat protein: The potential target of 1, 4-pentadien-3-one derivatives. Pesticide Biochemistry and Physiology, 2019, 155, 45-50.	3.6	17
39	Antiviral activity of aconite alkaloids from Aconitum carmichaelii Debx. Natural Product Research, 2019, 33, 1486-1490.	1.8	25
40	Binding constants of Southern rice black-streaked dwarf virus Coat Protein with ferulic acid derivatives. Data in Brief, 2018, 17, 321-324.	1.0	1
41	Active Disturbance Rejection Based Iterative Learning Control for Variable Air Volume Central Air-Conditioning System. , 2018, , .		5
42	Binding studies between cytosinpeptidemycin and the superfamily 1 helicase protein of tobacco mosaic virus. RSC Advances, 2018, 8, 18952-18958.	3.6	11
43	Interaction research on an antiviral molecule that targets the coat protein of southern rice black-streaked dwarf virus. International Journal of Biological Macromolecules, 2017, 103, 919-930.	7.5	17
44	Binding interactions between enantiomeric Î±-aminophosphonate derivatives and tobacco mosaic virus coat protein. International Journal of Biological Macromolecules, 2017, 94, 603-610.	7.5	17
45	Robust ADRC for nonlinear time-varying system with uncertainties. , 2017, , .		5
46	Progress in the development and application of plant-based antiviral agents. Journal of Integrative Agriculture, 2017, 16, 2772-2783.	3.5	19
47	Evaluation of Rice Resistance to Southern Rice Black-Streaked Dwarf Virus and Rice Ragged Stunt Virus through Combined Field Tests, Quantitative Real-Time PCR, and Proteome Analysis. Viruses, 2017, 9, 37.	3.3	11
48	Ningnanmycin inhibits tobacco mosaic virus virulence by binding directly to its coat protein discs. Oncotarget, 2017, 8, 82446-82458.	1.8	35
49	New Strategies and Methods to Study Interactions between Tobacco Mosaic Virus Coat Protein and Its Inhibitors. International Journal of Molecular Sciences, 2016, 17, 252.	4.1	27
50	Studies of binding interactions between Dufulin and southern rice black-streaked dwarf virus P9-1. Bioorganic and Medicinal Chemistry, 2015, 23, 3629-3637.	3.0	23
51	Design, synthesis, and antiviral activity of novel rutin derivatives containing 1, 4-pentadien-3-one moiety. European Journal of Medicinal Chemistry, 2015, 92, 732-737.	5.5	35
52	Interaction Research on the Antiviral Molecule Dufulin Targeting on Southern Rice Black Streaked Dwarf Virus P9-1 Nonstructural Protein. Viruses, 2015, 7, 1454-1473.	3.3	23
53	Characterization of the importance of terminal residues for southern rice black-streaked dwarf virus P9-1 viroplasm formations. Protein Expression and Purification, 2015, 111, 98-104.	1.3	11
54	Antiviral activity and interaction mechanisms study of novel glucopyranoside derivatives. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3840-3844.	2.2	33

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55	Development of proteomic technology of shotgun and label free combined with multiple reaction monitoring to simultaneously detect southern rice black-streaked dwarf virus and rice ragged stunt virus. VirusDisease, 2014, 25, 322-330.	2.0	9
56	Synthesis and Antiviral Bioactivity of Novel 3-((2-((1E,4E)-3-Oxo-5-arylpenta-1,4-dien-1-yl)phenoxy)methyl)-4(3H)-quinazolinone Derivatives. Journal of Agricultural and Food Chemistry, 2014, 62, 8928-8934.	5.2	60
57	Metal and carbene organocatalytic relay activation of alkynes for stereoselective reactions. Nature Communications, 2014, 5, 3982.	12.8	110
58	Crystal Structure of a Four-Layer Aggregate of Engineered TMV CP Implies the Importance of Terminal Residues for Oligomer Assembly. PLoS ONE, 2013, 8, e77717.	2.5	28
59	The development and application of new crystallization method for tobacco mosaic virus coat protein. Virology Journal, 2012, 9, 279.	3.4	16
60	Dufulin Activates HrBP1 to Produce Antiviral Responses in Tobacco. PLoS ONE, 2012, 7, e37944.	2.5	50
61	Synthesis and antiviral bioactivities of novel chiral bis-thiourea-type derivatives containing Î±-aminophosphonate moiety. Science China Chemistry, 2011, 54, 103-109.	8.2	11
62	Oligosaccharins Promote the Tea Plant to Resist the Invasion of Phyllosticta fheaefolia and Improve the Quality of Tea. ACS Agricultural Science and Technology, 0, , .	2.3	0