

Xiang-Yang Li

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,600
citations

304743

22
h-index

330143

37
g-index

63
all docs

63
docs citations

63
times ranked

1376
citing authors

#	ARTICLE	IF	CITATIONS
1	Advanced biotechnology-assisted precise sonodynamic therapy. <i>Chemical Society Reviews</i> , 2021, 50, 11227-11248.	38.1	219
2	Metal and carbene organocatalytic relay activation of alkynes for stereoselective reactions. <i>Nature Communications</i> , 2014, 5, 3982.	12.8	110
3	Endothelium-Mimicking Multifunctional Coating Modified Cardiovascular Stents via a Stepwise Metal-Catechol-(Amine) Surface Engineering Strategy. <i>Research</i> , 2020, 2020, 9203906.	5.7	81
4	Recent advances on small-molecule fluorophores with emission beyond 1000 nm for better molecular imaging in vivo. <i>Chinese Chemical Letters</i> , 2019, 30, 1731-1737.	9.0	73
5	Synthesis and Antiviral Bioactivity of Novel 3-((2-((1 <i>E</i> ,4 <i>E</i>)-3-Oxo-5-arylpenta-1,4-dien-1-yl)phenoxy)methyl)-4(3 <i>H</i>)-quinazolinone Derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 8928-8934.	5.2	60
6	Biomedical applications of Pt(II) metallacycle/metallacage-based agents: From mono-chemotherapy to versatile imaging contrasts and theranostic platforms. <i>Coordination Chemistry Reviews</i> , 2021, 443, 214017.	18.8	57
7	Mussel-inspired "built-up" surface chemistry for combining nitric oxide catalytic and vascular cell selective properties. <i>Biomaterials</i> , 2020, 241, 119904.	11.4	54
8	Dufulin Activates HrBP1 to Produce Antiviral Responses in Tobacco. <i>PLoS ONE</i> , 2012, 7, e37944.	2.5	50
9	Phenolic-amine chemistry mediated synergistic modification with polyphenols and thrombin inhibitor for combating the thrombosis and inflammation of cardiovascular stents. <i>Biomaterials</i> , 2021, 269, 120626.	11.4	47
10	Exogenous Strigolactones alleviate KCl stress by regulating photosynthesis, ROS migration and ion transport in <i>Malus hupehensis</i> Rehd. <i>Plant Physiology and Biochemistry</i> , 2021, 159, 113-122.	5.8	46
11	Carbene-Catalyzed α -Carbon Amination of Chloroaldehydes for Enantioselective Access to Dihydroquinoxaline Derivatives. <i>Organic Letters</i> , 2019, 21, 4340-4344.	4.6	37
12	Metal-catechol-(amine) networks for surface synergistic catalytic modification: Therapeutic gas generation and biomolecule grafting. <i>Biomaterials</i> , 2020, 248, 119981.	11.4	37
13	Design, synthesis, and antiviral activity of novel rutin derivatives containing 1, 4-pentadien-3-one moiety. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 732-737.	5.5	35
14	Ningnanmycin inhibits tobacco mosaic virus virulence by binding directly to its coat protein discs. <i>Oncotarget</i> , 2017, 8, 82446-82458.	1.8	35
15	Antiviral activity and interaction mechanisms study of novel glucopyranoside derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 3840-3844.	2.2	33
16	Biological activity evaluation and action mechanism of chalcone derivatives containing thiophene sulfonate. <i>RSC Advances</i> , 2019, 9, 24942-24950.	3.6	31
17	Crystal Structure of a Four-Layer Aggregate of Engineered TMV CP Implies the Importance of Terminal Residues for Oligomer Assembly. <i>PLoS ONE</i> , 2013, 8, e77717.	2.5	28
18	New Strategies and Methods to Study Interactions between Tobacco Mosaic Virus Coat Protein and Its Inhibitors. <i>International Journal of Molecular Sciences</i> , 2016, 17, 252.	4.1	27

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19	Enabling fast-charging selenium-based aqueous batteries via conversion reaction with copper ions. <i>Nature Communications</i> , 2022, 13, 1863.	12.8	27
20	Response to the Cold Stress Signaling of the Tea Plant (<i>Camellia sinensis</i>) Elicited by Chitosan Oligosaccharide. <i>Agronomy</i> , 2020, 10, 915.	3.0	26
21	Antiviral activity of aconite alkaloids from <i>Aconitum carmichaelii</i> Debx. <i>Natural Product Research</i> , 2019, 33, 1486-1490.	1.8	25
22	Studies of binding interactions between Dufulin and southern rice black-streaked dwarf virus P9-1. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 3629-3637.	3.0	23
23	Interaction Research on the Antiviral Molecule Dufulin Targeting on Southern Rice Black Streaked Dwarf Virus P9-1 Nonstructural Protein. <i>Viruses</i> , 2015, 7, 1454-1473.	3.3	23
24	Design, Synthesis, Antiviral Bioactivity, and Mechanism of the Ferulic Acid Ester-Containing Sulfonamide Moiety. <i>ACS Omega</i> , 2020, 5, 19721-19726.	3.5	23
25	Integrative Analysis of Metabolomics and Transcriptomics Reveals Molecular Mechanisms of Anthocyanin Metabolism in the Zikui Tea Plant (<i>Camellia sinensis</i> cv. Zikui). <i>International Journal of Molecular Sciences</i> , 2022, 23, 4780.	4.1	22
26	Review on Structures of Pesticide Targets. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7144.	4.1	21
27	Progress in the development and application of plant-based antiviral agents. <i>Journal of Integrative Agriculture</i> , 2017, 16, 2772-2783.	3.5	19
28	Design, synthesis, antiviral bioactivities and interaction mechanisms of penta-1,4-diene-3-one oxime ether derivatives containing a quinazolin-4(3H)-one scaffold. <i>BMC Chemistry</i> , 2019, 13, 34.	3.8	19
29	Fast constructing polarity-switchable zinc-bromine microbatteries with high areal energy density. <i>Science Advances</i> , 2022, 8, .	10.3	19
30	Screening anti-TMV agents targeting tobacco mosaic virus helicase protein. <i>Pesticide Biochemistry and Physiology</i> , 2020, 166, 104449.	3.6	18
31	Identification and Functional Characterization of a Sigma Glutathione S-Transferase <i>CpGSTs2</i> Involved in β -Cyhalothrin Resistance in the Codling Moth <i>Cydia pomonella</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 12585-12594.	5.2	18
32	Discovery of Dithioacetal Derivatives Containing Sulfonamide Moiety of Novel Antiviral Agents by TMV Coat Protein as a Potential Target. <i>ACS Omega</i> , 2020, 5, 22596-22602.	3.5	18
33	Interaction research on an antiviral molecule that targets the coat protein of southern rice black-streaked dwarf virus. <i>International Journal of Biological Macromolecules</i> , 2017, 103, 919-930.	7.5	17
34	Binding interactions between enantiomeric β -aminophosphonate derivatives and tobacco mosaic virus coat protein. <i>International Journal of Biological Macromolecules</i> , 2017, 94, 603-610.	7.5	17
35	Cucumber mosaic virus coat protein: The potential target of 1, 4-pentadien-3-one derivatives. <i>Pesticide Biochemistry and Physiology</i> , 2019, 155, 45-50.	3.6	17
36	The development and application of new crystallization method for tobacco mosaic virus coat protein. <i>Virology Journal</i> , 2012, 9, 279.	3.4	16

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37	Carbene-catalyzed enantioselective annulation of dinucleophilic hydrazones and bromoenals for access to aryl-dihydropyridazinones and related drugs. <i>Chemical Science</i> , 2021, 12, 8778-8783.	7.4	14
38	Ecology and Evolution of Marine Fungi With Their Adaptation to Climate Change. <i>Frontiers in Microbiology</i> , 2021, 12, 719000.	3.5	13
39	Synthesis and antiviral bioactivities of novel chiral bis-thiourea-type derivatives containing β -aminophosphonate moiety. <i>Science China Chemistry</i> , 2011, 54, 103-109.	8.2	11
40	Characterization of the importance of terminal residues for southern rice black-streaked dwarf virus P9-1 viroplasm formations. <i>Protein Expression and Purification</i> , 2015, 111, 98-104.	1.3	11
41	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. <i>Viruses</i> , 2017, 9, 37.	3.3	11
42	Binding studies between cytosinpeptidemycin and the superfamily 1 helicase protein of tobacco mosaic virus. <i>RSC Advances</i> , 2018, 8, 18952-18958.	3.6	11
43	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. <i>VirusDisease</i> , 2014, 25, 322-330.	2.0	9
44	Activation of biochemical factors in CMV-infected tobacco by ningnanmycin. <i>Pesticide Biochemistry and Physiology</i> , 2019, 156, 116-122.	3.6	9
45	Cytochrome P450 Superfamily: Evolutionary and Functional Divergence in Sorghum (<i>Sorghum</i>) Tj ETQq1 1 0.784314 rgBT ₉ /Overlo	5.2	9
46	Characterization of histone deacetylases and their roles in response to abiotic and PAMPs stresses in <i>Sorghum bicolor</i> . <i>BMC Genomics</i> , 2022, 23, 28.	2.8	9
47	Plant Viral Coat Proteins as Biochemical Targets for Antiviral Compounds. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 8892-8900.	5.2	9
48	Data-independent acquisition proteomic analysis of biochemical factors in rice seedlings following treatment with chitosan oligosaccharides. <i>Pesticide Biochemistry and Physiology</i> , 2020, 170, 104681.	3.6	8
49	Methyl Eugenol Binds Recombinant Gamma-Aminobutyric Acid Receptor-Associated Protein from the Western Flower Thrips (<i>Frankliniella occidentalis</i>). <i>Journal of Agricultural and Food Chemistry</i> , 2022, , .	5.2	8
50	Introduction of two predators to control <i>Dendrothrips minowai</i> (Thysanoptera: Thripidae) in tea (<i>Camellia sinensis</i>) plantations in China. <i>Biocontrol Science and Technology</i> , 2020, 30, 431-441.	1.3	7
51	Resveratrol improves the iron deficiency adaptation of <i>Malus baccata</i> seedlings by regulating iron absorption. <i>BMC Plant Biology</i> , 2021, 21, 433.	3.6	7
52	Interactions between stipuol enantiomers and human serum albumin. <i>Food Chemistry</i> , 2022, 385, 132686.	8.2	6
53	Robust ADRC for nonlinear time-varying system with uncertainties. , 2017, , .		5
54	Active Disturbance Rejection Based Iterative Learning Control for Variable Air Volume Central Air-Conditioning System. , 2018, , .		5

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55	Screening of a potential leafhopper attractants and their applications in tea plantations. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2019, 54, 858-865.	1.5	3
56	Histone deacetylase SbHDT701 in <i>Sorghum bicolor</i> reveals functions in response to stress factors by enhancing acetylation. <i>Pesticide Biochemistry and Physiology</i> , 2021, 178, 104908.	3.6	2
57	Insights into a rapid screening method for anti-cucumber mosaic virus compounds. <i>Journal of Virological Methods</i> , 2022, 301, 114402.	2.1	2
58	Binding constants of Southern rice black-streaked dwarf virus Coat Protein with ferulic acid derivatives. <i>Data in Brief</i> , 2018, 17, 321-324.	1.0	1
59	Expression Analysis Reveals That Sorghum Disease Resistance Protein SbSGT1 Is Regulated by Auxin. <i>Biology</i> , 2022, 11, 67.	2.8	1
60	Experimental Study on Dynamic Characteristics of Annular Coal Mine Sandstone after Different Temperatures. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-10.	0.7	1
61	Research on the Interaction Mechanism Between $\hat{\pm}$ Mino-Phosphonate Derivative Q-R and Harpin-Binding Protein 1 in Tobacco (<i>Nicotiana tabacum</i>) Plants. <i>Frontiers in Microbiology</i> , 2021, 12, 621875.	3.5	0
62	Oligosaccharins Promote the Tea Plant to Resist the Invasion of <i>Phyllosticta fheaefolia</i> and Improve the Quality of Tea. <i>ACS Agricultural Science and Technology</i> , 0, , .	2.3	0