

# Zhijin Fan

## List of Publications by Year in descending order

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54  
papers

1,137  
citations

430874

18  
h-index

414414

32  
g-index

55  
all docs

55  
docs citations

55  
times ranked

1023  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Biological Activity Evaluation of 1,2,3-Thiadiazole Derivatives as Potential Elicitors with Highly Systemic Acquired Resistance. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 4279-4286.	5.2	102
2	Synthesis, Crystal Structure, and Biological Activity of 4-Methyl-1,2,3-thiadiazole-Containing 1,2,4-Triazolo[3,4- <i>b</i> ][1,3,4]thiadiazoles. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2630-2636.	5.2	98
3	Discovery of Novel Thiazole Carboxamides as Antifungal Succinate Dehydrogenase Inhibitors. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1647-1655.	5.2	70
4	Synthesis and Insecticidal Activity of <i>N</i> - <i>tert</i> -Butyl- <i>N</i> , <i>N</i> -diacetylhydrazines Containing 1,2,3-Thiadiazoles. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 628-634.	5.2	60
5	Synthesis of 1,2,3-Thiadiazole and Thiazole-Based Strobilurins as Potent Fungicide Candidates. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 745-751.	5.2	59
6	Synthesis and Biological Activity of Novel Succinate Dehydrogenase Inhibitor Derivatives as Potent Fungicide Candidates. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 13185-13194.	5.2	56
7	Design, Synthesis, and Evaluation of the Antifungal Activity of Novel Pyrazole-Thiazole Carboxamides as Succinate Dehydrogenase Inhibitors. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 7093-7102.	5.2	54
8	The Natural Product Phyllanthusin C Enhances IFN- $\beta$ Production by Human NK Cells through Upregulation of TLR-Mediated NF- $\kappa$ B Signaling. <i>Journal of Immunology</i> , 2014, 193, 2994-3002.	0.8	46
9	Synthesis of Novel 3,4-Chloroisothiazole-Based Imidazoles as Fungicides and Evaluation of Their Mode of Action. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 7319-7327.	5.2	45
10	2-Hydroxypropyl derivatives of 1,2,3-thiadiazole and 1,2,3-triazole: Synthesis and antifungal activity. <i>Pure and Applied Chemistry</i> , 2011, 83, 715-722.	1.9	42
11	Revealing Shared and Distinct Genes Responding to JA and SA Signaling in Arabidopsis by Meta-Analysis. <i>Frontiers in Plant Science</i> , 2020, 11, 908.	3.6	38
12	Discovery of Pyruvate Kinase as a Novel Target of New Fungicide Candidate 3-(4-Methyl-1,2,3-thiadiazolyl)-6-trichloromethyl-[1,2,4]-triazolo-[3,4- <i>b</i> ][1,3,4]-thiadiazole. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 12439-12452.	5.2	35
13	Discovery of Novel Isothiazole, 1,2,3-Thiadiazole, and Thiazole-Based Cinnamamides as Fungicidal Candidates. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 12357-12365.	5.2	35
14	Discovery of Methyl (5- <i>Z</i> )-[2-(2,4,5-Trioxopyrrolidin-3-ylidene)-4-oxo-1,3-thiazolidin-5-ylidene]acetates as Antifungal Agents against Potato Diseases. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 6239-6245.	5.2	29
15	Asymmetric Formal [4 + 2] Annulation of <i>o</i> -Quinone Methides with $\beta$ -Keto Acylpyrazoles: A General Approach to Optically Active trans-3,4-Dihydrocoumarins. <i>Journal of Organic Chemistry</i> , 2018, 83, 4221-4228.	3.2	26
16	Design, synthesis and biological evaluation of pyrazole-aromatic containing carboxamides as potent SDH inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2021, 214, 113230.	5.5	26
17	Discovery of Novel Piperidinylthiazole Derivatives As Broad-Spectrum Fungicidal Candidates. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1360-1370.	5.2	23
18	Synthesis, Fungicidal Activity, and Molecular Docking of 2-Acylamino and 2-Thioacylamino Derivatives of 1- <i>H</i> -benzo[ <i>d</i> ]imidazoles as Anti-Tubulin Agents. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 12048-12062.	5.2	20

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19	Synthesis and (3+2) cycloaddition reactions of N,N- $\hat{E}^1$ - and C,N-cyclic azomethine imines. <i>Chemistry of Heterocyclic Compounds</i> , 2016, 52, 627-636.	1.2	19
20	Structure-Based Discovery and Synthesis of Potential Transketolase Inhibitors. <i>Molecules</i> , 2018, 23, 2116.	3.8	18
21	Systematic identification of genes associated with plant growthâ€defense tradeoffs under JA signaling in <i>Arabidopsis</i> . <i>Planta</i> , 2020, 251, 43.	3.2	17
22	Preparation of a Pyrazosulfuron-Ethyl Imprinted Polymer with Hydrophilic External Layers by Reversible Addition-Fragmentation Chain Transfer Precipitation and Grafting Polymerization. <i>Analytical Letters</i> , 2011, 44, 2617-2632.	1.8	16
23	Discovery and structure-activity relationship of novel diphenylthiazole derivatives as BTK inhibitor with potent activity against B cell lymphoma cell lines. <i>European Journal of Medicinal Chemistry</i> , 2019, 178, 767-781.	5.5	14
24	Discovery of Novel 3,4-Dichloroisothiazole-Containing Coumarins as Fungicidal Leads. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 4253-4262.	5.2	12
25	Design, Synthesis, and Biological Evaluation of Novel Psoralen-Based 1,3,4-Oxadiazoles as Potent Fungicide Candidates Targeting Pyruvate Kinase. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3435-3446.	5.2	12
26	Design, Synthesis and Biological Evaluation of Isothiazole Based 1,2,4-triazole Derivatives. <i>Chinese Journal of Chemistry</i> , 2018, 36, 731-736.	4.9	11
27	Design, Synthesis, and Evaluation of Fungicidal Activity of Novel Pyrazole-Containing Strobilurin Derivatives. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1531-1537.	4.9	11
28	<i>Arabidopsis</i> G-Protein $\hat{I}^2$ Subunit AGB1 Negatively Regulates DNA Binding of MYB62, a Suppressor in the Gibberellin Pathway. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8270.	4.1	11
29	Synthesis, Bioactivities and Structure Activity Relationship of $\hat{N}$ -Methyl-1,2,3-thiadiazole-5-carbonyl- $\hat{N}$ -phenyl Ureas. <i>Chinese Journal of Chemistry</i> , 2012, 30, 2522-2532.	1.0	10
30	Design, Synthesis, and Evaluation of Novel Isothiazole-Purines as a Pyruvate Kinase-Based Fungicidal Lead Compound. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 9461-9471.	5.2	10
31	Methoxyacrylate Fungicide Candidate CL-15C Also Functions as a Plant Elicitor in <i>Arabidopsis thaliana</i> and <i>Oryza sativa</i> L. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3142-3150.	5.2	10
32	Design, Synthesis, and Biological Screening of Novel Anthranilic Diamides. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 865-875.	2.6	9
33	A Synthetic Disaccharide Derivative of Diphyllin, TAARD, Activates Human Natural Killer Cells to Secrete Interferon-Gamma via Toll-Like Receptor-Mediated NF- $\hat{I}^B$ and STAT3 Signaling Pathways. <i>Frontiers in Immunology</i> , 2018, 9, 1509.	4.8	9
34	Synthesis of 3,5-Dichloro-(1,1,2,2-tetrafluoroethoxy)phenyl Containing 1,2,3-thiadiazole Derivatives via Ugi Reaction and Their Biological Activities. <i>Chinese Journal of Chemistry</i> , 2011, 29, 288-296.	4.9	8
35	Dearomatizing Naphthol Mannich Bases toward Spiro Thiazolidinethiones Catalyzed by Recyclable Reduced Graphene Oxide with Air as Oxidant. <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 3189-3195.	6.7	8
36	Mode of action for a new potential fungicide candidate, 3-(4-Methyl-1,2,3-thiadiazolyl)-6-trichloromethyl-[1,2,4]-triazolo-[3,4- $\hat{b}$ ][1,3,4]-thiadiazole by iTRAQ. <i>Food and Agricultural Immunology</i> , 2019, 30, 533-547.	1.4	8

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37	Discovery of Novel Triazolothiadiazines as Fungicidal Leads Targeting Pyruvate Kinase. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 1047-1057.	5.2	7
38	Organocatalytic Enantioselective $\alpha$ -Amination of Thiazolone-5-carboxylates with Azodicarboxylates. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 2490-2496.	2.7	5
39	Direct label-free methods for identification of target proteins in agrochemicals. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 1475-1483.	7.5	5
40	Design, synthesis and fungicidal activity of 3,4-dichloroisothiazolocoumarin-containing strobilurins. <i>Molecular Diversity</i> , 2022, 26, 951-961.	3.9	5
41	Synthesis of 1,2,3-thiadiazole and Isothiazole-Based Phenyl Substituted Pyridine Containing Carboxamides as Potent Plant Elicitors. <i>Pest Management Science</i> , 2021, , .	3.4	5
42	Kinetic Resolution of Axially Chiral 2-Nitrovinyl Biaryls Catalyzed by a Bifunctional Thiophosphinamide. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 3575-3581.	4.3	4
43	Design, synthesis and antifungal activity of (E)-3-acyl-5-(methoxyimino)-1,5-dihydrobenzo[e][1,2]oxazepin-4(3H)-one analogues. <i>Molecular Diversity</i> , 2021, 25, 159-169.	3.9	4
44	Bioactivity-Guided Synthesis Accelerates the Discovery of Evodiamine Derivatives as Potent Insecticide Candidates. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 5197-5206.	5.2	4
45	Design, synthesis and fungicidal evaluation of novel psoralen derivatives containing sulfonohydrazide or acylthiourea moiety. <i>Molecular Diversity</i> , 2023, 27, 571-588.	3.9	4
46	Synthesis and biological activities of novel 1,2,4-triazole derivatives containing 1,2,3-thiadiazole ring. <i>Chemical Research in Chinese Universities</i> , 2014, 30, 390-395.	2.6	3
47	Synthesis of (1,2,3-thiadiazolyl)imidazolidine-2,4-diones by microwave irradiation and characterization of their biological activity. <i>Chemistry of Heterocyclic Compounds</i> , 2016, 52, 910-917.	1.2	3
48	Plant Defense Responses to a Novel Plant Elicitor Candidate LY5-24-2. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5348.	4.1	3
49	Design, synthesis and fungicidal activity of pyrazole-thiazole carboxamide derivatives. <i>Molecular Diversity</i> , 2022, 26, 205-214.	3.9	2
50	The tandem Dimroth rearrangement and sulfonylation/acylation as regioselective method for the synthesis of 5-arylamino-2-sulfonyl and 2-acyl-5-arylamino-1,2,3-triazole-4-carbothioamides. <i>Chemistry of Heterocyclic Compounds</i> , 2020, 56, 1341-1347.	1.2	1
51	Hydrolysis Kinetics of a Novel 3,4-Dichloroisothiazole Plant-Activator Candidate LY5-24-2 by UPLC-Q-TOF. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021, 106, 1009-1016.	2.7	1
52	Synthesis of potent antifungal 3,4-dichloroisothiazole-based strobilurins with both direct fungicidal activity and systemic acquired resistance. <i>RSC Medicinal Chemistry</i> , 2022, 13, 429-435.	3.9	1
53	Determination of Tiadinil and Its Metabolite in Flue-Cured Tobacco. <i>Journal of Chromatographic Science</i> , 2014, 52, 624-628.	1.4	0
54	Discovery and validation of pesticide novel target: take pyruvate kinase as an example. , 2021, , 443-450.		0