

Zi-wen Wang

List of Publications by Year in descending order

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59
papers

1,537
citations

257101

24
h-index

329751

37
g-index

60
all docs

60
docs citations

60
times ranked

1293
citing authors

#	ARTICLE	IF	CITATIONS
1	Data-Driven Soft Sensing for Batch Processes Using Neural Network-Based Deep Quality-Relevant Representation Learning. <i>IEEE Transactions on Artificial Intelligence</i> , 2023, 4, 602-611.	3.4	6
2	Discovery of gyantrypineâ€family alkaloids as novel antiviral and antiphytopathogenicâ€fungus agents. <i>Pest Management Science</i> , 2022, 78, 982-990.	1.7	4
3	Design, synthesis, and insecticidal and fungicidal activities of quaternary ammonium salt derivatives of a triazolyphenyl isoxazoline insecticide. <i>Pest Management Science</i> , 2022, 78, 2011-2021.	1.7	14
4	Discovery of Phytoalexin Camalexin and Its Derivatives as Novel Antiviral and Antiphytopathogenic-Fungus Agents. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 2554-2563.	2.4	6
5	Marine Sesquiterpenes for Plant Protection: Discovery of Laurene Sesquiterpenes and Their Derivatives as Novel Antiviral and Antiphytopathogenic Fungal Agents. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 6006-6014.	2.4	15
6	Rapid Access to Aliphatic Sulfonamides. <i>Organic Letters</i> , 2022, 24, 3932-3937.	2.4	2
7	The photoredox-catalyzed hydrosulfamoylation of styrenes and its application in the novel synthesis of naratriptan. <i>Chemical Communications</i> , 2021, 57, 9140-9143.	2.2	7
8	Marine natural products and plant virus control. , 2021, , 563-569.		0
9	Pityriacitrin marine alkaloids as novel antiviral and antiâ€phytopathogenicâ€fungus agents. <i>Pest Management Science</i> , 2021, 77, 4691-4700.	1.7	12
10	Toad Alkaloid for Pesticide Discovery: Dehydrobufotenine Derivatives as Novel Agents against Plant Virus and Fungi. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 9754-9763.	2.4	12
11	Discovery of Cysteine and Its Derivatives as Novel Antiviral and Antifungal Agents. <i>Molecules</i> , 2021, 26, 383.	1.7	8
12	Generation and precise control of sulfonyl radicals: visible-light-activated redox-neutral formation of sulfonates and sulfonamides. <i>Organic Chemistry Frontiers</i> , 2021, 8, 961-967.	2.3	28
13	Discovery and Nanosized Preparations of (<i>S</i>,<i>R</i>)-Tylophorine Malate as Novel anti-SARS-CoV-2 Agents. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1840-1846.	1.3	8
14	Design, synthesis, and bioactivity of nortopsentin analogues containing 1,2,4â€triazole moieties. <i>Journal of Heterocyclic Chemistry</i> , 2020, 57, 761-767.	1.4	12
15	Discovery, Structural Optimization, and Mode of Action of Essramycin Alkaloid and Its Derivatives as Anti-Tobacco Mosaic Virus and Anti-Phytopathogenic Fungus Agents. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 471-484.	2.4	39
16	Marineâ€naturalâ€products for biocides development: first discovery of meridianin alkaloids as antiviral and antiâ€phytopathogenicâ€fungus agents. <i>Pest Management Science</i> , 2020, 76, 3369-3376.	1.7	19
17	Luotonin A and Its Derivatives as Novel Antiviral and Antiphytopathogenic Fungus Agents. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 8764-8773.	2.4	41
18	Marine Natural Product for Pesticide Candidate: Pulmonarin Alkaloids as Novel Antiviral and Anti-Phytopathogenic-Fungus Agents. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 11350-11357.	2.4	22

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19	Streptindole and Its Derivatives as Novel Antiviral and Anti-Phytopathogenic Fungus Agents. Journal of Agricultural and Food Chemistry, 2020, 68, 7839-7849.	2.4	21
20	Efficient synthesis of SCF ₃ -substituted tryptanthrins by a radical tandem cyclization. Organic and Biomolecular Chemistry, 2020, 18, 1994-2001.	1.5	18
21	Discovery of Tryptanthrins as Novel Antiviral and Anti-Phytopathogenic-Fungus Agents. Journal of Agricultural and Food Chemistry, 2020, 68, 5586-5595.	2.4	44
22	Optimization, Structure-Activity Relationship, and Mode of Action of Nortopsentin Analogues Containing Thiazole and Oxazole Moieties. Journal of Agricultural and Food Chemistry, 2019, 67, 10018-10031.	2.4	37
23	Discovery of Pimprinine Alkaloids as Novel Agents against a Plant Virus. Journal of Agricultural and Food Chemistry, 2019, 67, 1795-1806.	2.4	59
24	Formation of Amidinyl Radicals via Visible-Light-Promoted Reduction of <i>N</i> -Phenyl Amidoxime Esters and Application to the Synthesis of 2-Substituted Benzimidazoles. Journal of Organic Chemistry, 2019, 84, 8646-8660.	1.7	22
25	Design, synthesis, and biological activity evaluation of (-)-6-O-desmethylantofine analogues as potent anti-cancer agents. Bioorganic and Medicinal Chemistry, 2019, 27, 3070-3081.	1.4	4
26	Natural Products for Drug Discovery: Discovery of Gramines as Novel Agents against a Plant Virus. Journal of Agricultural and Food Chemistry, 2019, 67, 2148-2156.	2.4	50
27	Marine-Natural-Product Development: First Discovery of Nortopsentin Alkaloids as Novel Antiviral, Anti-phytopathogenic-Fungus, and Insecticidal Agents. Journal of Agricultural and Food Chemistry, 2018, 66, 4062-4072.	2.4	56
28	Naamines and Naamidines as Novel Agents against a Plant Virus and Phytopathogenic Fungi. Marine Drugs, 2018, 16, 311.	2.2	12
29	Marine Natural Products for Drug Discovery: First Discovery of Kealiinines C and Their Derivatives as Novel Antiviral and Antiphytopathogenic Fungus Agents. Journal of Agricultural and Food Chemistry, 2018, 66, 7310-7318.	2.4	28
30	Leveraging botanical resources for crop protection: the isolation, bioactivity and structure-activity relationships of lycoris alkaloids. Pest Management Science, 2018, 74, 2783-2792.	1.7	15
31	Efficient Preparation of Alkaloids Polycarpine and Polycarpaurines A and C. Journal of Heterocyclic Chemistry, 2017, 54, 121-124.	1.4	1
32	Antiviral activity and mechanism of gossypols: effects of the O ₂ - [•] production rate and the chirality. RSC Advances, 2017, 7, 10266-10277.	1.7	9
33	6-OH-Phenanthroquinolizidine Alkaloid and Its Derivatives Exert Potent Anticancer Activity by Delaying S Phase Progression. Journal of Medicinal Chemistry, 2017, 60, 2764-2779.	2.9	27
34	Design, synthesis, antiviral activity and mode of action of phenanthrene-containing <i>N</i> -heterocyclic compounds inspired by the phenanthroindolizidine alkaloid antofine. Pest Management Science, 2016, 72, 371-378.	1.7	17
35	Cadmium(II)-Triazole Framework as a Luminescent Probe for Ca ²⁺ and Cyano Complexes. Chemistry - A European Journal, 2016, 22, 10459-10474.	1.7	75
36	Discovery of Topsentin Alkaloids and Their Derivatives as Novel Antiviral and Anti-phytopathogenic Fungus Agents. Journal of Agricultural and Food Chemistry, 2016, 64, 9143-9151.	2.4	42

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37	First Discovery of Polycarpine, Polycarpaurines A and C, and Their Derivatives as Novel Antiviral and Antiphytopathogenic Fungus Agents. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 4264-4272.	2.4	20
38	Application of "Hydrogen Bonding Interaction" in New Drug Development: Design, Synthesis, Antiviral Activity, and SARs of Thiourea Derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 1378-1384.	2.4	35
39	Application of "Hydrogen-Bonding Interaction" in Drug Design. Part 2: Design, Synthesis, and Structure-Activity Relationships of Thiophosphoramidate Derivatives as Novel Antiviral and Antifungal Agents. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 9435-9440.	2.4	18
40	First Discovery of Tylophora Alkaloids as HIV Inhibitors. <i>Letters in Drug Design and Discovery</i> , 2015, 12, 277-283.	0.4	6
41	Design, Synthesis, Anti-Tobacco Mosaic Virus (TMV) Activity, and SARs of Methoxycryptoleurine Derivatives. <i>Chemical Biology and Drug Design</i> , 2014, 84, 531-542.	1.5	5
42	Design, synthesis, and anti-tobacco mosaic virus (TMV) activity of glycoconjugates of phenanthroindolizidines alkaloids. <i>Molecular Diversity</i> , 2014, 18, 25-37.	2.1	11
43	D and E Rings May Not Be Indispensable for Antofine: Discovery of Phenanthrene and Alkylamine Chain Containing Antofine Derivatives as Novel Antiviral Agents against Tobacco Mosaic Virus (TMV) Based on Interaction of Antofine and TMV RNA. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 10393-10404.	2.4	29
44	Synthesis of Novel Tylophorine Derivatives and Evaluation of Their Anti-Inflammatory Activity. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 1027-1031.	1.3	16
45	Design, Synthesis, and Biological Activities of Novel Alkylpyrrole Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2014, 51, 1410-1414.	1.4	8
46	Different salt derivatives of phenanthroindolizidine alkaloids display different in vitro antitumor activity. <i>New Journal of Chemistry</i> , 2013, 37, 1817.	1.4	5
47	Therapeutic effects of a novel tylophorine analog, NK-007, on collagen-induced arthritis through suppressing tumor necrosis factor α production and Th17 cell differentiation. <i>Arthritis and Rheumatism</i> , 2012, 64, 2896-2906.	6.7	33
48	Design, Synthesis, and Antiviral Activity Evaluation of Phenanthrene-Based Antofine Derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8544-8551.	2.4	33
49	Design, Synthesis, and Anti-tobacco Mosaic Virus (TMV) Activity of Phenanthroindolizidines and Their Analogues. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 10212-10219.	2.4	79
50	A novel tylophorine analog NK-007 ameliorates colitis through inhibition of innate immune response. <i>International Immunopharmacology</i> , 2012, 14, 487-494.	1.7	10
51	Design, synthesis and antiviral activity of novel pyridazines. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 33-41.	2.6	26
52	First Discovery and Structure-Activity Relationship Study of Phenanthroquinolizidines as Novel Antiviral Agents against Tobacco Mosaic Virus (TMV). <i>PLoS ONE</i> , 2012, 7, e52933.	1.1	33
53	Design, Synthesis, Antiviral Activity, and SARs of 14-Aminophenanthroindolizidines. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 5825-5831.	2.4	47
54	Hydroxyl may not be indispensable for raltegravir: Design, synthesis and SAR Studies of raltegravir derivatives as HIV-1 inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2012, 50, 361-369.	2.6	29

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55	Synthesis and SAR studies of phenanthroindolizidine and phenanthroquinolizidine alkaloids as potent anti-tumor agents. <i>European Journal of Medicinal Chemistry</i> , 2012, 51, 250-258.	2.6	45
56	Design, synthesis and antiviral activity of novel quinazolinones. <i>European Journal of Medicinal Chemistry</i> , 2012, 53, 275-282.	2.6	104
57	Efficient and Chirally Specific Synthesis of Phenanthroindolizidine Alkaloids by Parham-type Cycloacylation. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 292-299.	1.2	39
58	Synthesis and Antiviral Activities of Phenanthroindolizidine Alkaloids and Their Derivatives. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2703-2709.	2.4	105
59	Synthesis of (S)-(+)-tylophorine and its seco analogues using free radical reaction. <i>Science in China Series B: Chemistry</i> , 2009, 52, 1288-1299.	0.8	9