Zi-wen Wang

List of Publications by Year
in descending order

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	Synthesis and Antiviral Activities of Phenanthroindolizidine Alkaloids and Their Derivatives. Journal of Agricultural and Food Chemistry, 2010, 58, 2703-2709.	2.4	105
2	Design, synthesis and antiviral activity of novel quinazolinones. European Journal of Medicinal Chemistry, 2012, 53, 275-282.	2.6	104
3	Design, Synthesis, and Anti-tobacco Mosaic Virus (TMV) Activity of Phenanthroindolizidines and Their Analogues. Journal of Agricultural and Food Chemistry, 2012, 60, 10212-10219.	2.4	79
4	Cadmium(II)â€“Triazole Framework as a Luminescent Probe for Ca²⁺ and Cyano Complexes. Chemistry - A European Journal, 2016, 22, 10459-10474.	1.7	75
5	Discovery of Pimprinine Alkaloids as Novel Agents against a Plant Virus. Journal of Agricultural and Food Chemistry, 2019, 67, 1795-1806.	2.4	59
6	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
7	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
8	Design, Synthesis, Antiviral Activity, and SARs of 14-Aminophenanthroindolizidines. Journal of Agricultural and Food Chemistry, 2012, 60, 5825-5831.	2.4	47
9	Synthesis and SAR studies of phenanthroindolizidine and phenanthroquinolizidine alkaloids as potent anti-tumor agents. European Journal of Medicinal Chemistry, 2012, 51, 250-258.	2.6	45
10	Discovery of Tryptanthrins as Novel Antiviral and Anti-Phytopathogenic-Fungus Agents. Journal of Agricultural and Food Chemistry, 2020, 68, 5586-5595.	2.4	44
11	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
12	Luotonin A and Its Derivatives as Novel Antiviral and Antiphytopathogenic Fungus Agents. Journal of Agricultural and Food Chemistry, 2020, 68, 8764-8773.	2.4	41
13	Efficient and Chirally Specific Synthesis of Phenanthroâ€Indolizidine Alkaloids by Parhamâ€Type Cycloacylation. European Journal of Organic Chemistry, 2010, 2010, 292-299.	1.2	39
14	Discovery, Structural Optimization, and Mode of Action of Essramycin Alkaloid and Its Derivatives as Anti-Tobacco Mosaic Virus and Anti-Phytopathogenic Fungus Agents. Journal of Agricultural and Food Chemistry, 2020, 68, 471-484.	2.4	39
15	Optimization, Structureâ€“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
16	Application of â€œHydrogen Bonding Interactionâ€• in New Drug Development: Design, Synthesis, Antiviral Activity, and SARs of Thiourea Derivatives. Journal of Agricultural and Food Chemistry, 2015, 63, 1378-1384.	2.4	35
17	Therapeutic effects of a novel tylophorine analog, NKâ€007, on collagenâ€induced arthritis through suppressing tumor necrosis factor Î± production and Th17 cell differentiation. Arthritis and Rheumatism, 2012, 64, 2896-2906.	6.7	33
18	Design, Synthesis, and Antiviral Activity Evaluation of Phenanthrene-Based Antofine Derivatives. Journal of Agricultural and Food Chemistry, 2012, 60, 8544-8551.	2.4	33

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19	First Discovery and Stucture-Activity Relationship Study of Phenanthroquinolizidines as Novel Antiviral Agents against Tobacco Mosaic Virus (TMV). PLoS ONE, 2012, 7, e52933.	1.1	33
20	Hydroxyl may not be indispensable for raltegravir: Design, synthesis and SAR Studies of raltegravir derivatives as HIV-1 inhibitors. European Journal of Medicinal Chemistry, 2012, 50, 361-369.	2.6	29
21	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. Journal of Agricultural and Food Chemistry, 2014, 62, 10393-10404.	2.4	29
22	Marine Natural Products for Drug Discovery: First Discovery of Kealiinines Aâ€“C and Their Derivatives as Novel Antiviral and Antiphytopathogenic Fungus Agents. Journal of Agricultural and Food Chemistry, 2018, 66, 7310-7318.	2.4	28
23	Generation and precise control of sulfonyl radicals: visible-light-activated redox-neutral formation of sulfonates and sulfonamides. Organic Chemistry Frontiers, 2021, 8, 961-967.	2.3	28
24	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
25	Design, synthesis and antiviral activity of novel pyridazines. European Journal of Medicinal Chemistry, 2012, 54, 33-41.	2.6	26
26	Formation of Amidinyl Radicals via Visible-Light-Promoted Reduction of N-Phenyl Amidoxime Esters and Application to the Synthesis of 2-Substituted Benzimidazoles. Journal of Organic Chemistry, 2019, 84, 8646-8660.	1.7	22
27	Marine Natural Product for Pesticide Candidate: Pulmonarin Alkaloids as Novel Antiviral and Anti-Phytopathogenic-Fungus Agents. Journal of Agricultural and Food Chemistry, 2020, 68, 11350-11357.	2.4	22
28	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
29	First Discovery of Polycarpine, Polycarpaurines A and C, and Their Derivatives as Novel Antiviral and Antiphytopathogenic Fungus Agents. Journal of Agricultural and Food Chemistry, 2016, 64, 4264-4272.	2.4	20
30	Marineâ€naturalâ€products for biocides development: first discovery of meridianin alkaloids as antiviral and antiâ€phytopathogenicâ€fungus agents. Pest Management Science, 2020, 76, 3369-3376.	1.7	19
31	Application of â€œHydrogen-Bonding Interactionâ€• in Drug Design. Part 2: Design, Synthesis, and Structureâ€“Activity Relationships of Thiophosphoramide Derivatives as Novel Antiviral and Antifungal Agents. Journal of Agricultural and Food Chemistry, 2015, 63, 9435-9440.	2.4	18
32	Efficient synthesis of SCF₃-substituted tryptanthrins by a radical tandem cyclization. Organic and Biomolecular Chemistry, 2020, 18, 1994-2001.	1.5	18
33	Design, synthesis, antiviral activity and mode of action of phenanthrene-containingN-heterocyclic compounds inspired by the phenanthroindolizidine alkaloid antofine. Pest Management Science, 2016, 72, 371-378.	1.7	17
34	Synthesis of Novel Tylophorine Derivatives and Evaluation of Their Anti-Inflammatory Activity. ACS Medicinal Chemistry Letters, 2014, 5, 1027-1031.	1.3	16
35	Leveraging botanical resources for crop protection: the isolation, bioactivity and structureâ€“activity relationships of lycoris alkaloids. Pest Management Science, 2018, 74, 2783-2792.	1.7	15
36	Marine Sesquiterpenes for Plant Protection: Discovery of Laurene Sesquiterpenes and Their Derivatives as Novel Antiviral and Antiphytopathogenic Fungal Agents. Journal of Agricultural and Food Chemistry, 2022, 70, 6006-6014.	2.4	15

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37	Design, synthesis, and insecticidal and fungicidal activities of quaternary ammonium salt derivatives of a triazolyphenyl isoxazoline insecticide. Pest Management Science, 2022, 78, 2011-2021.	1.7	14
38	Naamines and Naamidines as Novel Agents against a Plant Virus and Phytopathogenic Fungi. Marine Drugs, 2018, 16, 311.	2.2	12
39	Design, synthesis, and bioactivity of nortopsentin analogues containing 1,2,4â€triazole moieties. Journal of Heterocyclic Chemistry, 2020, 57, 761-767.	1.4	12
40	Pityriacitrin marine alkaloids as novel antiviral and antiâ€phytopathogenicâ€fungus agents. Pest Management Science, 2021, 77, 4691-4700.	1.7	12
41	Toad Alkaloid for Pesticide Discovery: Dehydrobufotenine Derivatives as Novel Agents against Plant Virus and Fungi. Journal of Agricultural and Food Chemistry, 2021, 69, 9754-9763.	2.4	12
42	Design, synthesis, and anti-tobacco mosaic virus (TMV) activity of glycoconjugates of phenanthroindolizidines alkaloids. Molecular Diversity, 2014, 18, 25-37.	2.1	11
43	A novel tylophorine analog NK-007 ameliorates colitis through inhibition of innate immune response. International Immunopharmacology, 2012, 14, 487-494.	1.7	10
44	Synthesis of (S)-(+)-tylophorine and its seco analogues using free radical reaction. Science in China Series B: Chemistry, 2009, 52, 1288-1299.	0.8	9
45	Antiviral activity and mechanism of gossypols: effects of the O₂Ë™^{â^'} production rate and the chirality. RSC Advances, 2017, 7, 10266-10277.	1.7	9
46	Design, Synthesis, and Biological Activities of Novel 2â€Alkylpyrrole Derivatives. Journal of Heterocyclic Chemistry, 2014, 51, 1410-1414.	1.4	8
47	Discovery of Cysteine and Its Derivatives as Novel Antiviral and Antifungal Agents. Molecules, 2021, 26, 383.	1.7	8
48	Discovery and Nanosized Preparations of (S,R)-Tylophorine Malate as Novel anti-SARS-CoV-2 Agents. ACS Medicinal Chemistry Letters, 2021, 12, 1840-1846.	1.3	8
49	The photoredox-catalyzed hydrosulfamoylation of styrenes and its application in the novel synthesis of naratriptan. Chemical Communications, 2021, 57, 9140-9143.	2.2	7
50	First Discovery of Tylophora Alkaloids as HIV Inhibitors. Letters in Drug Design and Discovery, 2015, 12, 277-283.	0.4	6
51	Data-Driven Soft Sensing for Batch Processes Using Neural Network-Based Deep Quality-Relevant Representation Learning. IEEE Transactions on Artificial Intelligence, 2023, 4, 602-611.	3.4	6
52	Discovery of Phytoalexin Camalexin and Its Derivatives as Novel Antiviral and Antiphytopathogenic-Fungus Agents. Journal of Agricultural and Food Chemistry, 2022, 70, 2554-2563.	2.4	6
53	Different salt derivatives of phenanthroindolizidine alkaloids display different in vitro antitumor activity. New Journal of Chemistry, 2013, 37, 1817.	1.4	5
54	Design, Synthesis, Antiâ€Tobacco Mosaic Virus (<scp>TMV</scp>) Activity, and <scp>SAR</scp>s of 7â€Methoxycryptopleurine Derivatives. Chemical Biology and Drug Design, 2014, 84, 531-542.	1.5	5

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55	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
56	Discovery of glyantrypineâ€family alkaloids as novel antiviral and antiphytopathogenicâ€fungus agents. Pest Management Science, 2022, 78, 982-990.	1.7	4
57	Rapid Access to Aliphatic Sulfonamides. Organic Letters, 2022, 24, 3932-3937.	2.4	2
58	Efficient Preparation of Alkaloids Polycarpine and Polycarpaurines A and C. Journal of Heterocyclic Chemistry, 2017, 54, 121-124.	1.4	1
59	Marine natural products and plant virus control. , 2021, , 563-569.		0