Wenjin Yan

List of Publications by Year
in descending order

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38 papers	1,524 citations	279798 23 h-index	315739 38 g-index
38 all docs	38 docs citations	38 times ranked	1533 citing authors

#	Article	IF	Citations
1	The effects of incorporation of the counterparts and mimics of l-lysine on the antimicrobial activity, hemolytic activity, cytotoxicity and tryptic stability of antimicrobial peptide polybia-MPII. Amino Acids, 2022, 54, 123-135.	2.7	5
2	Asymmetric Synthesis of Chiral Î±â€CF₂H Spiro[Indolineâ€3,3â€²â€Thiophene] via Phaseâ€Transfer Catalyzed Sulfaâ€Michael/Michael Domino Reaction. Advanced Synthesis and Catalysis, 2022, 364, 811-830.	4.3	5
3	An Injectable Peptide Hydrogel Constructed of Natural Antimicrobial Peptide J-1 and ADP Shows Anti-Infection, Hemostasis, and Antiadhesion Efficacy. ACS Nano, 2022, 16, 7636-7650.	14.6	54
4	GM-Pep: A High Efficiency Strategy to De Novo Design Functional Peptide Sequences. Journal of Chemical Information and Modeling, 2022, 62, 2617-2629.	5.4	2
5	The introduction of l-phenylalanine into antimicrobial peptide protonectin enhances the selective antibacterial activity of its derivative phe-Prt against Gram-positive bacteria. Amino Acids, 2021, 53, 23-32.	2.7	9
6	Multiple action mechanism and in vivo antimicrobial efficacy of antimicrobial peptide Jelleineâ€I. Journal of Peptide Science, 2021, 27, e3294.	1.4	19
7	Tryptic Stability and Antimicrobial Activity of the Derivatives of Polybia-CP with Fine-Tuning Modification in the Side Chain of Lysine. International Journal of Peptide Research and Therapeutics, 2021, 27, 851-862.	1.9	2
8	Stereoselective synthetic strategies of stereogenic carbon centers featuring a difluoromethyl group. Organic Chemistry Frontiers, 2021, 8, 2799-2819.	4.5	27
9	Catalytic Asymmetric Construction of Tertiary Carbon Centers Featuring an Î±-Difluoromethyl Group with CF₂H-CH₂-NH₂ as the â€œBuilding Blockâ€• Organic Letters, 2021, 23, 2584-2589.	4.6	6
10	An optimized analog of antimicrobial peptide Jelleine-1 shows enhanced antimicrobial activity against multidrug resistant P.Âaeruginosa and negligible toxicity inÂvitro and inÂvivo. European Journal of Medicinal Chemistry, 2021, 219, 113433.	5.5	30
11	The Regiocontrollable Enantioselective Synthesis of Chiral Trifluoromethyl-Containing Spiro-Pyrrolidine-Pyrazolone Compounds via Amino-Regulated 1,3-Proton Migration Reaction. Journal of Organic Chemistry, 2021, 86, 13011-13024.	3.2	8
12	Efficient enantioselective synthesis of CF₂H-containing dispiro[benzo[b]thiophene-oxindole-pyrrolidine]s via organocatalytic cycloaddition. Organic Chemistry Frontiers, 2021, 9, 210-215.	4.5	11
13	Cu reduces hemolytic activity of the antimicrobial peptide HMPI and enhances its trypsin resistance. Acta Biochimica Et Biophysica Sinica, 2020, 52, 603-611.	2.0	4
14	The catalytic asymmetric synthesis of CF₃-containing spiro-oxindoleâ€“pyrrolidineâ€“pyrazolone compounds through squaramide-catalyzed 1,3-dipolar cycloaddition. Organic and Biomolecular Chemistry, 2019, 17, 5514-5519.	2.8	46
15	The Catalytic Asymmetric Construction of Trifluoromethylated Quaternary Carbon-Containing Thiochromans. Synthesis, 2019, 51, 3327-3335.	2.3	4
16	Highly efficient enantioselective synthesis of bispiro[benzofuran-oxindole-pyrrolidine]s through organocatalytic cycloaddition. Organic Chemistry Frontiers, 2019, 6, 1567-1571.	4.5	54
17	The asymmetric construction of CF₃-containing spiro-thiazolone-pyrrolidine compoundsvia[3 + 2] cycloaddition. Organic and Biomolecular Chemistry, 2019, 17, 2892-2895.	2.8	19
18	The in vitro, in vivo antifungal activity and the action mode of Jelleine-I against Candida species. Amino Acids, 2018, 50, 229-239.	2.7	31

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19	Asymmetric Synthesis of Î±-Trifluoromethyl Pyrrolidines through Organocatalyzed 1,3-Dipolar Cycloaddition Reaction. Journal of Organic Chemistry, 2017, 82, 3482-3490.	3.2	20
20	Asymmetric synthesis of CF₃-containing tetrahydroquinoline via a thiourea-catalyzed cascade reaction. Organic and Biomolecular Chemistry, 2017, 15, 4544-4547.	2.8	24
21	Antimicrobial activity and stability of protonectin with<scp>D</scp>-amino acid substitutions. Journal of Peptide Science, 2017, 23, 392-402.	1.4	27
22	D-amino acid substitution enhances the stability of antimicrobial peptide polybia-CP. Acta Biochimica Et Biophysica Sinica, 2017, 49, 916-925.	2.0	80
23	Asymmetric Synthesis of CF₃- and Indole-Containing Thiochromanes via a Squaramide-Catalyzed Michaelâ€“Aldol Reaction. Organic Letters, 2016, 18, 3546-3549.	4.6	56
24	Antimicrobial activity and stability of the d-amino acid substituted derivatives of antimicrobial peptide polybia-MPI. AMB Express, 2016, 6, 122.	3.0	71
25	Antifungal effect and action mechanism of antimicrobial peptide polybiaâ€CP. Journal of Peptide Science, 2016, 22, 28-35.	1.4	28
26	Asymmetric Synthesis of 2â€²â€Trifluoromethylated Spiroâ€pyrrolidineâ€3,3â€²â€oxindoles via Squaramideâ€Catalyzed Umpolung and 1,3â€Dipolar Cycloaddition. Advanced Synthesis and Catalysis, 2016, 358, 3777-3785.	4.3	48
27	Synthesis of Chiral Î±-Trifluoromethylamines with 2,2,2-Trifluoroethylamine as a â€œBuilding Blockâ€• Organic Letters, 2016, 18, 956-959.	4.6	55
28	The Squaramideâ€Catalyzed 1,3â€Dipolar Cycloaddition of Nitroalkenes with Nâ€2,2,2â€Trifluoroethylisatin Ketimines: An Approach for the Synthesis of 5â€²â€Trifluoromethylâ€spiro[pyrrolidinâ€3,2â€²â€oxindoles]. Advanced Synthesis and Catalysis, 2015, 357, 3187-3196.	4.3	85
29	Construction of Vicinal Tetrasubstituted Stereocenters with a Câ€“F Bond through a Catalytic Enantioselective Detrifluoroacetylative Mannich Reaction. Journal of Organic Chemistry, 2015, 80, 12651-12658.	3.2	53
30	Antimicrobial peptide protonectin disturbs the membrane integrity and induces ROS production in yeast cells. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2365-2373.	2.6	88
31	Highly Enantioselective Cascade Reaction Catalyzed by Squaramides: the Synthesis of CF3-Containing Chromanes. Organic Letters, 2015, 17, 3826-3829.	4.6	52
32	The asymmetric synthesis of CF₃-containing spiro[pyrrolidin-3,2â€²-oxindole] through the organocatalytic 1,3-dipolar cycloaddition reaction. Chemical Communications, 2015, 51, 8789-8792.	4.1	126
33	Dual antifungal properties of cationic antimicrobial peptides polybia-MPI: Membrane integrity disruption and inhibition of biofilm formation. Peptides, 2014, 56, 22-29.	2.4	52
34	The Quinine Thioureaâ€Catalyzed Asymmetric Strecker Reaction: An Approach for the Synthesis of 3â€Aminooxindoles. Advanced Synthesis and Catalysis, 2013, 355, 548-558.	4.3	49
35	Zinc-Mediated Diastereoselective Synthesis of 3-Amino Oxindoles by Addition of Methyl and Terminal Alkynes to N-tert-Butanesulfinyl Ketimines. Journal of Organic Chemistry, 2012, 77, 3311-3317.	3.2	50
36	Synthesis of N-Alkoxycarbonyl Ketimines Derived from Isatins and Their Application in Enantioselective Synthesis of 3-Aminooxindoles. Organic Letters, 2012, 14, 2512-2515.	4.6	169

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37	Asymmetric Addition of Terminal Alkynes to Nâ€(Diphenylphosphinoyl)imines Promoted by Stoichiometric Amounts of a Prolineâ€Derived Î²â€Amino Alcohol. European Journal of Organic Chemistry, 2009, 2009, 3790-3794.	2.4	25
38	Asymmetric Addition of Phenylacetylene to Aldehydes Catalyzed by Î²-Sulfonamide Alcohol-Titanium Complex. Advanced Synthesis and Catalysis, 2006, 348, 506-514.	4.3	30