

# Cheng Peng

## List of Publications by Year in descending order

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55  
papers

2,184  
citations

257450

24  
h-index

233421

45  
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55  
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55  
docs citations

55  
times ranked

2036  
citing authors

#	ARTICLE	IF	CITATIONS
1	Puerarin: A Review of Pharmacological Effects. <i>Phytotherapy Research</i> , 2014, 28, 961-975.	5.8	453
2	Asymmetric organocatalysis: an enabling technology for medicinal chemistry. <i>Chemical Society Reviews</i> , 2021, 50, 1522-1586.	38.1	219
3	Organocatalytic Asymmetric Synthesis of Six-Membered Carbocycle-Based Spiro Compounds. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 194-228.	4.3	109
4	Organocatalytic Asymmetric Synthesis of Spiro-oxindole Piperidine Derivatives That Reduce Cancer Cell Proliferation by Inhibiting MDM2-p53 Interaction. <i>Organic Letters</i> , 2017, 19, 6752-6755.	4.6	78
5	Organocatalytic Asymmetric Synthesis of Cyclic Compounds Bearing a Trifluoromethylated Stereogenic Center: Recent Developments. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1923-1957.	4.3	71
6	Asymmetric synthesis of a structurally and stereochemically complex spirooxindole pyran scaffold through an organocatalytic multicomponent cascade reaction. <i>Chemical Communications</i> , 2012, 48, 10487.	4.1	70
7	Catalytic Asymmetric Synthesis of Spiropyrazolones and their Application in Medicinal Chemistry. <i>Chemical Record</i> , 2019, 19, 2209-2235.	5.8	60
8	Hydroxysafflor Yellow A: A Promising Therapeutic Agent for a Broad Spectrum of Diseases. <i>Evidence-based Complementary and Alternative Medicine</i> , 2018, 2018, 1-17.	1.2	57
9	Highly enantioselective synthesis of fused bicyclic dihydropyranones via low-loading N-heterocyclic carbene organocatalysis. <i>Chemical Communications</i> , 2017, 53, 6875-6878.	4.1	55
10	Asymmetric synthesis of tetrahydroisoquinoline-fused spirooxindoles as Ras-GTP inhibitors that inhibit colon adenocarcinoma cell proliferation and invasion. <i>Chemical Communications</i> , 2018, 54, 8359-8362.	4.1	54
11	Aconitine induces cardiomyocyte damage by mitigating BNIP3-dependent mitophagy and the TNF-IL1R1 signaling axis. <i>Cell Proliferation</i> , 2020, 53, e12701.	5.3	53
12	Construction of Azepino[2,3- <i>b</i> ]indole Core via Sulfur Ylide Mediated Annulations. <i>Organic Letters</i> , 2018, 20, 7628-7632.	4.6	49
13	Application of organocatalysis in bioorganometallic chemistry: asymmetric synthesis of multifunctionalized spirocyclic pyrazolone-ferrocene hybrids as novel RalA inhibitors. <i>Organic Chemistry Frontiers</i> , 2018, 5, 2229-2233.	4.5	45
14	Asymmetric synthesis of bicyclic dihydropyrans via organocatalytic inverse-electron-demand oxo-Diels-Alder reactions of enolizable aliphatic aldehydes. <i>Chemical Communications</i> , 2016, 52, 10617-10620.	4.1	43
15	Classification, hepatotoxic mechanisms, and targets of the risk ingredients in traditional Chinese medicine-induced liver injury. <i>Toxicology Letters</i> , 2020, 323, 48-56.	0.8	39
16	Stereoselective Synthesis of Hydropyrano[3,2- <i>b</i> ]indoles via Organocatalytic Asymmetric Inverse-Electron-Demand Oxa-Diels-Alder Reaction. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2970-2975.	4.3	38
17	Recent advances in the synthesis of C2-spiropseudoindoxyls. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2850-2864.	2.8	38
18	Organocatalytic tandem Morita-Baylis-Hillman-Michael reaction for asymmetric synthesis of a drug-like oxa-spirocyclic indanone scaffold. <i>Chemical Communications</i> , 2013, 49, 8692.	4.1	37

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19	Recent progress on the construction of axial chirality through transition-metal-catalyzed benzannulation. <i>Organic Chemistry Frontiers</i> , 2021, 8, 2772-2785.	4.5	35
20	Stereoselective Assembly of Multifunctional Spirocyclohexene Pyrazolones That Induce Autophagy-Dependent Apoptosis in Colorectal Cancer Cells. <i>Journal of Organic Chemistry</i> , 2019, 84, 9138-9150.	3.2	34
21	Design, synthesis, and biological evaluation of nitroisoxazole-containing spiro[pyrrolidin-oxindole] derivatives as novel glutathione peroxidase 4/mouse double minute 2 dual inhibitors that inhibit breast adenocarcinoma cell proliferation. <i>European Journal of Medicinal Chemistry</i> , 2021, 217, 113359.	5.5	34
22	Organocatalytic Morita-Baylis-Hillman/Michael/Acetalization Cascade: Procedure-Controlled Diastereodivergence in the Asymmetric Synthesis of Fully Substituted Tetrahydropyrans. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3676-3682.	4.3	32
23	Radical Acylalkylation of 1,3-Enynes To Access Allenic Ketones via <i>N</i> -Heterocyclic Carbene Organocatalysis. <i>Journal of Organic Chemistry</i> , 2022, 87, 5229-5241.	3.2	27
24	Efficient synthesis of tetrahydronaphthalene- or isochroman-fused spirooxindoles using tandem reactions. <i>RSC Advances</i> , 2015, 5, 88272-88276.	3.6	24
25	Organocatalytic diastereoselective [3+2] cyclization of MBH carbonates with dinucleophiles: synthesis of bicyclic imidazoline derivatives that inhibit MDM2-p53 interaction. <i>Chemical Communications</i> , 2019, 55, 11374-11377.	4.1	23
26	Direct Sulfide-Catalyzed Diastereoselective [4+1] Annulations of <i>ortho</i> -Quinone Methides and Bromides. <i>Journal of Organic Chemistry</i> , 2018, 83, 12753-12762.	3.2	22
27	Diastereodivergent Formal 1,3-Dipolar Cycloaddition of $\alpha$ -alkenyl thiazolones to Access Stereochemically Diverse Pyrrolidinyl Spirooxindoles. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2052-2058.	4.3	22
28	Organocatalytic asymmetric synthesis of multifunctionalized $\beta$ -carboline-spirooxindole hybrids that suppressed proliferation in colorectal cancer cells. <i>Organic Chemistry Frontiers</i> , 2022, 9, 1048-1055.	4.5	22
29	Core-scaffold-inspired Asymmetric Synthesis of Polysubstituted Chiral Hexahydropyridazines that Potently Inhibit Breast Cancer Cell Proliferation by Inducing Apoptosis. <i>Chemistry - A European Journal</i> , 2015, 21, 18100-18108.	3.3	21
30	A Comprehensive Review of Natural Products against Liver Fibrosis: Flavonoids, Quinones, Lignans, Phenols, and Acids. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-19.	1.2	21
31	Novel HSP90-PI3K Dual Inhibitor Suppresses Melanoma Cell Proliferation by Interfering with HSP90-EGFR Interaction and Downstream Signaling Pathways. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1845.	4.1	21
32	Advances in indole-containing alkaloids as potential anticancer agents by regulating autophagy. <i>Biomedicine and Pharmacotherapy</i> , 2022, 149, 112827.	5.6	21
33	Synthesis of functionalized $\beta$ -lactones via a three-component cascade reaction catalyzed by consecutive <i>N</i> -heterocyclic carbene systems. <i>RSC Advances</i> , 2015, 5, 26972-26976.	3.6	19
34	Isodunnianol alleviates doxorubicin-induced myocardial injury by activating protective autophagy. <i>Food and Function</i> , 2019, 10, 2651-2657.	4.6	18
35	Control of Activation Mode To Achieve Diastereodivergence in Asymmetric Syntheses of Chiral Spiropiperidinone Derivatives. <i>Journal of Organic Chemistry</i> , 2017, 82, 397-406.	3.2	17
36	Chemo- and Stereoselective Cross Rauhu-type Reaction of Tri-substituted Alkenes Containing Trifluoromethyl Groups. <i>Chemistry - A European Journal</i> , 2018, 24, 1947-1955.	3.3	17

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37	Substrate-directed chemo- and regioselective synthesis of polyfunctionalized trifluoromethylarenes via organocatalytic benzannulation. <i>Organic Chemistry Frontiers</i> , 2020, 7, 563-570.	4.5	17
38	Synthesis of polysubstituted arenes through organocatalytic benzannulation. <i>RSC Advances</i> , 2020, 10, 40983-41003.	3.6	17
39	Asymmetric Construction of 4-H-Pyrano[3,2-b]indoles via Cinchonine-Catalyzed 1,4-Addition of 2-Ylideneoxindole with Malononitrile. <i>Journal of Organic Chemistry</i> , 2019, 84, 5450-5459.	3.2	16
40	Highly diastereoselective synthesis of cyclopropane-fused spiro-pseudoindoxyl derivatives through [2 + 1] annulation of 2-ylideneoxindoles and sulfonium bromides. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8169-8174.	2.8	15
41	A pharmacokinetic study of patchouli alcohol after a single oral administration of patchouli alcohol or patchouli oil in rats. <i>European Journal of Drug Metabolism and Pharmacokinetics</i> , 2016, 41, 441-448.	1.6	14
42	Highly stereoselective organocatalytic synthesis of pyrrolidinyl spirooxindoles containing halogenated contiguous quaternary carbon stereocenters. <i>Tetrahedron Letters</i> , 2020, 61, 151806.	1.4	14
43	Protecting Group-Directed Diastereodivergent Synthesis of Chiral Tetrahydronaphthalene-Fused Spirooxindoles via Bifunctional Tertiary Amine Catalysis. <i>Journal of Organic Chemistry</i> , 2019, 84, 10349-10361.	3.2	12
44	Protecting group-directed annulations of tetra-substituted oxindole olefins and sulfur ylides: regio- and chemoselective synthesis of cyclopropane- and dihydrofuran-fused spirooxindoles. <i>RSC Advances</i> , 2019, 9, 12255-12264.	3.6	12
45	Design and organocatalytic synthesis of spirooxindole-cyclopentene-isoxazole hybrids as novel MDM2-p53 inhibitors. <i>Organic Chemistry Frontiers</i> , 2021, 8, 1836-1843.	4.5	11
46	A practical green chemistry approach to synthesize fused bicyclic 4H-pyranes via an amine catalysed 1,4-addition and cyclization cascade. <i>RSC Advances</i> , 2016, 6, 38875-38879.	3.6	10
47	Catalytic cross-benzoin/Michael/acetalization cascade for asymmetric synthesis of trifluoromethylated 1 <sup>3</sup> -butyrolactones. <i>RSC Advances</i> , 2016, 6, 28960-28965.	3.6	9
48	X-ray Structure-Guided Discovery of a Potent, Orally Bioavailable, Dual Human Indoleamine/Tryptophan 2,3-Dioxygenase (hIDO/hTDO) Inhibitor That Shows Activity in a Mouse Model of Parkinson's Disease. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 8303-8332.	6.4	9
49	Drug design based on pentaerythritol tetranitrate reductase: synthesis and antibacterial activity of Pogostone derivatives. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6548-6556.	2.8	6
50	Synthesis of Vinylcyclopropane-Fused Pyrazolone Derivatives by Sulfur Ylide-Initiated 1,6-Michael Addition-Cyclization Reactions. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4723-4730.	2.4	6
51	Highly Chemoselective [2+1] Annulation of $\hat{1}\pm$ -Alkylidene Pyrazolones with $\hat{1}\pm$ -Bromonitroalkenes: Synthesis of Pyrazolone-Based Vinylcyclopropanes and Computational Studies. <i>Journal of Organic Chemistry</i> , 2021, 86, 2582-2592.	3.2	5
52	Construction of CF <sub>3</sub> -Functionalized Fully Substituted Benzonitriles through Rauhut-Currier Reaction Initiated [3 + 3] Benzannulation. <i>Journal of Organic Chemistry</i> , 2021, 86, 14844-14854.	3.2	5
53	Pharmacological Activities of Safflower Yellow and Its Clinical Applications. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022, 2022, 1-24.	1.2	4
54	Enantio- and Diastereoselective Nitro-Mannich Reactions with in situ Generated N-Boc-imines Catalyzed by a Bifunctional Thiourea-Guanidine Catalyst. <i>Synlett</i> , 2011, 2011, 2981-2984.	1.8	2

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55	Design, Synthesis, and Biological Evaluation of Pyrano[2,3-c]-pyrazole-Based RalA Inhibitors Against Hepatocellular Carcinoma. <i>Frontiers in Chemistry</i> , 2021, 9, 700956.	3.6	2