

# Wen-Chao Yang

## List of Publications by Year in descending order

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33  
papers

1,724  
citations

304743

22  
h-index

414414

32  
g-index

37  
all docs

37  
docs citations

37  
times ranked

1369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible-light initiated oxidative cyclization of phenyl propiolates with sulfinic acids to coumarin derivatives under metal-free conditions. <i>Chemical Communications</i> , 2015, 51, 7520-7523.	4.1	228
2	Photoredox Catalysis in C–S Bond Construction: Recent Progress in Photo-catalyzed Formation of Sulfones and Sulfoxides. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 386-400.	4.3	198
3	Cross-Coupling Hydrogen Evolution by Visible Light Photocatalysis Toward C(sp <sup>2</sup> )–P Formation: Metal-Free C–H Functionalization of Thiazole Derivatives with Diarylphosphine Oxides. <i>Organic Letters</i> , 2016, 18, 452-455.	4.6	140
4	Recent Advances in the Construction of Spiro Compounds via Radical Dearomatization. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 4446-4461.	4.3	123
5	Photoredox Catalysis in Organophosphorus Chemistry. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 350-367.	2.7	100
6	Cascade C(sp <sup>3</sup> )–S Bond Cleavage and Imidoyl C–S Formation: Radical Cyclization of 2-Isocyanoaryl Thioethers toward 2-Substituted Benzothiazoles. <i>Organic Letters</i> , 2018, 20, 3144-3147.	4.6	94
7	Photochemical and electrochemical strategies in C–F bond activation and functionalization. <i>Organic Chemistry Frontiers</i> , 2022, 9, 853-873.	4.5	71
8	Aldehydes as Carbon Radical Acceptors: Silver Nitrate Catalyzed Cascade Decarboxylation and Oxidative Cyclization toward Dihydroflavonoid Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 2390-2395.	4.3	68
9	Aliphatic Aldehydes: Novel Radical Alkylating Reagents. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 1700-1709.	4.3	67
10	Silver-catalyzed amidation of benzoylformic acids with tertiary amines via selective carbon–nitrogen bond cleavage. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3649.	2.8	63
11	Formulation optimization of D-limonene-loaded nanoemulsions as a natural and efficient biopesticide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 596, 124746.	4.7	58
12	Electrochemical Trifluoromethylthiolation and Spirocyclization of Alkynes with AgSCF <sub>3</sub> : Access to SCF <sub>3</sub> -Containing Spiro[5,5]trienones. <i>Organic Letters</i> , 2021, 23, 6691-6696.	4.6	58
13	Iodide/ <i>tert</i> -Butyl Hydroperoxide-Mediated Benzylic C–H Sulfonation and Peroxidation of Phenol Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3184-3190.	4.3	43
14	Metal-free photo-induced radical C–P and C–S bond formation for the synthesis of 2-phosphoryl benzothiazoles. <i>Chinese Chemical Letters</i> , 2020, 31, 1313-1316.	9.0	41
15	Electrochemical synthesis of sulfonated benzothiophenes using 2-alkynylthioanisoles and sodium sulfonates. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 3844-3849.	2.8	36
16	<i>Tert</i> -Butyl Nitrite Mediated Expedient Methylsulfoxidation of Tetrazole Amines with DMSO: Metal-free Synthesis of Antifungal Active Methylsulfinyl-tetrazole Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 468-473.	4.3	34
17	Di- <i>tert</i> -butyl Peroxide-Mediated Radical C(sp <sup>2</sup> )/sp <sup>3</sup> –S Bond Cleavage and Group-Transfer Cyclization. <i>Organic Letters</i> , 2019, 21, 7851-7856.	4.6	31
18	Recent Progress in the Synthesis of Sulfur-Containing Heterocycles Using Sulfur Atom as Radical Acceptors. <i>Chinese Journal of Organic Chemistry</i> , 2020, 40, 4060.	1.3	31

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19	Development of abamectin-loaded nanoemulsion and its insecticidal activity and cytotoxicity. <i>Pest Management Science</i> , 2020, 76, 4192-4201.	3.4	30
20	Fabrication of abamectin-loaded mesoporous silica nanoparticles by emulsion-solvent evaporation to improve photolysis stability and extend insecticidal activity. <i>Nanotechnology</i> , 2020, 31, 345705.	2.6	24
21	Development and Characterization of Pyriproxyfen-Loaded Nanoemulsion for Housefly Control: Improving Activity, Reducing Toxicity, and Protecting Ecological Environment. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 4988-4999.	6.7	24
22	Regioselective synthesis of triazoles via base-promoted oxidative cycloaddition of chalcones with azides in aqueous solution. <i>RSC Advances</i> , 2015, 5, 95833-95839.	3.6	23
23	Copper-catalyzed regioselective alkylation of heteroarenes with functionalized alkyl halides. <i>Tetrahedron Letters</i> , 2019, 60, 1792-1795.	1.4	23
24	Radical denitrogenative transformations of polynitrogen heterocycles: Building C-N bonds and beyond. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1865-1875.	14.0	23
25	DTBP-Mediated Cascade Spirocyclization and Dearomatization of Biaryl Ynones: Facile Access to Spiro[5.5]trienones through C(sp <sup>3</sup> )-H Bond Functionalization. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4465-4468.	2.4	22
26	K2S2O8-promoted radical trifluoromethylthiolation/spirocyclization for the synthesis of SCF3-featured spiro[5,5]trienones. <i>Tetrahedron</i> , 2022, 106-107, 132649.	1.9	15
27	Catalyst- and Oxidizing Reagent-Free Electrochemical Benzylic C(sp <sup>3</sup> )-H Oxidation of Phenol Derivatives. <i>Journal of Organic Chemistry</i> , 2022, 87, 7806-7817.	3.2	15
28	Research Progress in Radical Cascade Reaction Using Nitrogen Heterocycle in Indoles as Radical Acceptors. <i>Chinese Journal of Organic Chemistry</i> , 2022, 42, 75.	1.3	14
29	Synthesis, antibacterial evaluation, and safety assessment of CuS NPs against <i>Pectobacterium carotovorum</i> subsp. <i>carotovorum</i> . <i>Pest Management Science</i> , 2022, 78, 733-742.	3.4	10
30	Allenylphosphine Oxides as Starting Materials for the Synthesis of Conjugated Enynes: Boosting the Catalytic Performance by MOF Encapsulated Palladium Nanoparticles. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 3518-3525.	4.3	9
31	Screening of anti-idiotypic domain antibody from phage library for development of Bt Cry1A simulants. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 1346-1351.	7.5	6
32	Latent Radical Cleavage of $\alpha$ -Allenyl C-O Bonds: Potassium Persulfate Mediated Thiolation of Allenylphosphine Oxides. <i>Synthesis</i> , 2018, 50, 2990-2998.	2.3	1
33	Construction and Characterization of a Single-Chain Variable Fragment (scFv) for the Detection of Cry1Ab and Cry1Ac Toxins from the Anti-Cry1Ab Monoclonal Antibody. <i>Food Analytical Methods</i> , 0, 1.	2.6	1