

# Yong Wang

## List of Publications by Year in descending order

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17  
papers

1,041  
citations

567281

15  
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940533

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23  
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23  
docs citations

23  
times ranked

1179  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Radical Cyclopropanation of Alkenes with In Situ-Generated Donor-Substituted Diazo Reagents via Co(II)-Based Metalloradical Catalysis. <i>Journal of the American Chemical Society</i> , 2017, 139, 1049-1052.	13.7	177
2	Synthesis of rare sugar isomers through site-selective epimerization. <i>Nature</i> , 2020, 578, 403-408.	27.8	134
3	Enantioselective Radical Cyclization for Construction of 5-Membered Ring Structures by Metalloradical C-H Alkylation. <i>Journal of the American Chemical Society</i> , 2018, 140, 4792-4796.	13.7	120
4	Dual-functional click-triazole: a metal chelator and immobilization linker for the construction of a heterogeneous palladium catalyst and its application for the aerobic oxidation of alcohols. <i>Chemical Communications</i> , 2012, 48, 2979.	4.1	77
5	Enantioselective radical process for synthesis of chiral indolines by metalloradical alkylation of diverse C(sp <sup>3</sup> )-H bonds. <i>Chemical Science</i> , 2018, 9, 5082-5086.	7.4	76
6	A palladium complex with functionalized $\beta$ -cyclodextrin: a promising catalyst featuring recognition abilities for Suzuki-Miyaura coupling reactions in water. <i>Green Chemistry</i> , 2013, 15, 2081.	9.0	64
7	l-Proline: an efficient N,O-bidentate ligand for copper-catalyzed aerobic oxidation of primary and secondary benzylic alcohols at room temperature. <i>Chemical Communications</i> , 2013, 49, 7908.	4.1	63
8	Sodium Nitrite Catalyzed Aerobic Oxidative Deoxygenation under Mild Conditions. <i>Journal of Organic Chemistry</i> , 2011, 76, 4665-4668.	3.2	62
9	Metalloradical activation of $\beta$ -formyldiazoacetates for the catalytic asymmetric radical cyclopropanation of alkenes. <i>Chemical Science</i> , 2017, 8, 4347-4351.	7.4	61
10	Highly selective Wacker reaction of styrene derivatives: a green and efficient aerobic oxidative process promoted by benzoquinone/NaNO <sub>2</sub> /HClO <sub>4</sub> under mild conditions. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2947.	2.8	50
11	Copper-catalyzed aerobic alcohol oxidation under air in neat water by using a water-soluble ligand. <i>RSC Advances</i> , 2013, 3, 19255.	3.6	39
12	Metalloradical Activation of In Situ-Generated $\beta$ -Alkynyldiazomethanes for Asymmetric Radical Cyclopropanation of Alkenes. <i>Journal of the American Chemical Society</i> , 2022, 144, 2368-2378.	13.7	29
13	Pd( $\beta$ -proline) <sub>2</sub> complex: an efficient catalyst for Suzuki-Miyaura coupling reaction in neat water. <i>Applied Organometallic Chemistry</i> , 2014, 28, 332-336.	3.5	28
14	Selective Axial-to-Equatorial Epimerization of Carbohydrates. <i>Journal of the American Chemical Society</i> , 2022, 144, 11870-11877.	13.7	28
15	In situ generation of active species $\alpha$ -NO $\alpha$ for the aerobic oxidative deprotection of aldoximes catalyzed by FeCl <sub>3</sub> /TEMPO. <i>RSC Advances</i> , 2013, 3, 22918.	3.6	19
16	Potassium tert-Butoxide. <i>Synlett</i> , 2011, 2011, 2901-2902.	1.8	14
17	Aerobic Oxybromination of Phenols Catalyzed by Sodium Nitrite under Mild Conditions. <i>Synlett</i> , 2011, 2011, 2265-2269.	1.8	0