

# Qun Cao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3222173/publications.pdf>

Version: 2024-02-01

19  
papers

1,669  
citations

623734

14  
h-index

794594

19  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2104  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanochemistry as an emerging tool for molecular synthesis: what can it offer?. <i>Chemical Science</i> , 2018, 9, 3080-3094.	7.4	610
2	Aerobic oxidation catalysis with stable radicals. <i>Chemical Communications</i> , 2014, 50, 4524-4543.	4.1	319
3	Copper/TEMPO catalysed synthesis of nitriles from aldehydes or alcohols using aqueous ammonia and with air as the oxidant. <i>Chemical Communications</i> , 2013, 49, 6030.	4.1	133
4	Mechanochemical Activation of Zinc and Application to Negishi Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 11339-11343.	13.8	98
5	3D-Printable Photochromic Molecular Materials for Reversible Information Storage. <i>Advanced Materials</i> , 2018, 30, e1800159.	21.0	75
6	Robust Buchwald-Hartwig amination enabled by ball-milling. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1722-1726.	2.8	67
7	Translating solid state organic synthesis from a mixer mill to a continuous twin screw extruder. <i>Green Chemistry</i> , 2018, 20, 4443-4447.	9.0	57
8	A Ball-Milling-Enabled Reformatsky Reaction. <i>ChemSusChem</i> , 2019, 12, 2554-2557.	6.8	54
9	Greener Dye Synthesis: Continuous, Solvent-Free Synthesis of Commodity Perylene Diimides by Twin-Screw Extrusion. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4478-4483.	13.8	46
10	Cationic palladium complexes as catalysts for the oxidation of terminal olefins to methyl ketones using hydrogen peroxide. <i>Green Chemistry</i> , 2015, 17, 2750-2757.	9.0	45
11	Mechanochemical Activation of Zinc and Application to Negishi Cross-Coupling. <i>Angewandte Chemie</i> , 2018, 130, 11509-11513.	2.0	40
12	Copper(keto)ABNO catalysed aerobic alcohol oxidation. <i>Catalysis Science and Technology</i> , 2014, 4, 1720-1725.	4.1	34
13	Palladium(II)-Catalysed Aminocarbonylation of Terminal Alkynes for the Synthesis of $\alpha$ -enamides: Addressing the Challenges of Solvents and Gas Mixtures. <i>ChemSusChem</i> , 2017, 10, 675-680.	6.8	18
14	Synthesis of $\alpha$ -alkynoates by Palladium(II)-Catalyzed Oxidative Carbonylation of Terminal Alkynes and Alcohols. <i>Chemistry - A European Journal</i> , 2016, 22, 11982-11985.	3.3	17
15	Greener Dye Synthesis: Continuous, Solvent-Free Synthesis of Commodity Perylene Diimides by Twin-Screw Extrusion. <i>Angewandte Chemie</i> , 2020, 132, 4508-4513.	2.0	16
16	Cationic Palladium(II) Complexes for Catalytic Wacker-Type Oxidation of Styrenes to Ketones Using $O_2$ as the Sole Oxidant. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5604-5608.	2.0	14
17	Decoupling manufacturing from application in additive manufactured antimicrobial materials. <i>Biomaterials Science</i> , 2021, 9, 5397-5406.	5.4	13
18	Palladium-Catalyzed Oxidative Synthesis of Highly Functionalized Ortholactones. <i>Chemistry - A European Journal</i> , 2015, 21, 7726-7730.	3.3	7

#	ARTICLE	IF	CITATIONS
19	Photochromic Materials: 3D-Printable Photochromic Molecular Materials for Reversible Information Storage (Adv. Mater. 26/2018). Advanced Materials, 2018, 30, 1870193.	21.0	2