# Ya-Nan Duan

List of Publications by Year
in descending order



| 10 | 279 | 1163117 8 | 1372567 10 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 11 | 11 | 11 | 268 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Cobalt-catalyzed highly enantioselective hydrogenation of Î±,Î²-unsaturated carboxylic acids. Nature Communications, 2020, 11, 3239. | 12.8 | 77 |
| 2 | Enantioselective Hydrogenation of Tetrasubstituted Î±,Î²â€Unsaturated Carboxylic Acids Enabled by Cobalt(II) Catalysis: Scope and Mechanistic Insights. Angewandte Chemie - International Edition, 2021, 60, 11384-11390. | 13.8 | 58 |
| 3 | Homogeneous Hydrogenation with a Cobalt/Tetraphosphine Catalyst: A Superior Hydride Donor for Polar Double Bonds and N-Heteroarenes. Journal of the American Chemical Society, 2019, 141, 20424-20433. | 13.7 | 44 |
| 4 | Recyclable Hypervalent-Iodine-Mediated Dehydrogenative Cyclopropanation under Metal-Free Conditions. Organic Letters, 2016, 18, 6176-6179. | 4.6 | 24 |
| 5 | Recyclable Hypervalentâ€Iodineâ€Mediated Dehydrogenative Î±,Î²â€²â€Bifunctionalization of Î²â€Keto Esters Under Metalâ€Free Conditions. Chemistry - A European Journal, 2015, 21, 13052-13057. | 3.3 | 23 |
| 6 | Iodosobenzene-mediated direct and efficient oxidation of Î²-dicarbonyls to vicinal tricarbonyls catalyzed by iron(<scp>iii</scp>) salts. Organic Chemistry Frontiers, 2016, 3, 1686-1690. | 4.5 | 18 |
| 7 | Enantioselective Hydrogenation of Tetrasubstituted Î±,Î²â€Unsaturated Carboxylic Acids Enabled by Cobalt(II) Catalysis: Scope and Mechanistic Insights. Angewandte Chemie, 2021, 133, 11485-11491. | 2.0 | 15 |
| 8 | Redetermination of the Structure of a Water-Soluble Hypervalent Iodine(V) Reagent AIBX and Its Synthetic Utility in the Oxidation of Alcohols and Synthesis of IsoxazolineN-Oxides. Journal of Organic Chemistry, 2019, 84, 14381-14393. | 3.2 | 12 |
| 9 | Cobalt-Catalyzed Hydrogenative Transformation of Nitriles. ACS Catalysis, 2021, 11, 13761-13767. | 11.2 | 6 |
| 10 | Double dehydrogenation of carbocyclic Î²-dicarbonyl compounds: Koserâ€™s reagent can do what iodine(V) reagents can. Science China Chemistry, 2019, 62, 597-601. | 8.2 | 2 |