# Xiaoqiang Huang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2839179/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 24 papers | 1,836 citations | 394421 19 h-index | 610901 24 g-index |

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|---|---|---|---|
| 24 all docs | 24 docs citations | 24 times ranked | 1548 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Photobiocatalysis for Abiological Transformations. Accounts of Chemical Research, 2022, 55, 1087-1096. | 15.6 | 73 |
| 2 | Photoinduced chemomimetic biocatalysis for enantioselective intermolecular radical conjugate addition. Nature Catalysis, 2022, 5, 586-593. | 34.4 | 50 |
| 3 | Understanding the mechanism of direct visible-light-activated [2 + 2] cycloadditions mediated by Rh and Ir photocatalysts: combined computational and spectroscopic studies. Chemical Science, 2021, 12, 9673-9681. | 7.4 | 16 |
| 4 | Stereoconvergent Reduction of Activated Alkenes by a Nicotinamide Free Synergistic Photobiocatalytic System. ACS Catalysis, 2020, 10, 9431-9437. | 11.2 | 13 |
| 5 | Photoenzymatic enantioselective intermolecular radical hydroalkylation. Nature, 2020, 584, 69-74. | 27.8 | 171 |
| 6 | Integrating biocatalysis with chemocatalysis for selective transformations. Current Opinion in Chemical Biology, 2020, 55, 161-170. | 6.1 | 62 |
| 7 | Asymmetric Synthesis of 1,4â€Dicarbonyl Compounds from Aldehydes by Hydrogen Atom Transfer Photocatalysis and Chiral Lewis Acid Catalysis. Angewandte Chemie - International Edition, 2019, 58, 16859-16863. | 13.8 | 96 |
| 8 | Asymmetric Synthesis of 1,4â€Dicarbonyl Compounds from Aldehydes by Hydrogen Atom Transfer Photocatalysis and Chiral Lewis Acid Catalysis. Angewandte Chemie, 2019, 131, 17015-17019. | 2.0 | 17 |
| 9 | Chiral-at-Rhodium Catalyst Containing Two Different Cyclometalating Ligands. Organometallics, 2019, 38, 3948-3954. | 2.3 | 10 |
| 10 | Asymmetric Photocatalysis with Bis-cyclometalated Rhodium Complexes. Accounts of Chemical Research, 2019, 52, 833-847. | 15.6 | 198 |
| 11 | Electricity-driven asymmetric Lewis acid catalysis. Nature Catalysis, 2019, 2, 34-40. | 34.4 | 122 |
| 12 | Preparation of chiral-at-metal catalysts and their use in asymmetric photoredox chemistry. Nature Protocols, 2018, 13, 605-632. | 12.0 | 74 |
| 13 | Oneâ€Pot Sequential Photoredox Chemistry and Asymmetric Transfer Hydrogenation with a Single Catalyst. European Journal of Organic Chemistry, 2018, 2018, 571-577. | 2.4 | 18 |
| 14 | Asymmetric [3+2] Photocycloadditions of Cyclopropanes with Alkenes or Alkynes through Visibleâ€Light Excitation of Catalystâ€Bound Substrates. Angewandte Chemie, 2018, 130, 5552-5556. | 2.0 | 24 |
| 15 | Asymmetric [3+2] Photocycloadditions of Cyclopropanes with Alkenes or Alkynes through Visibleâ€Light Excitation of Catalystâ€Bound Substrates. Angewandte Chemie - International Edition, 2018, 57, 5454-5458. | 13.8 | 110 |
| 16 | Sequential asymmetric hydrogenation and photoredox chemistry with a single catalyst. Organic Chemistry Frontiers, 2018, 5, 166-170. | 4.5 | 24 |
| 17 | Visible-Light-Activated Catalytic Enantioselective Î²-Alkylation of Î±,Î²-Unsaturated 2-Acyl Imidazoles Using Hantzsch Esters as Radical Reservoirs. Journal of Organic Chemistry, 2018, 83, 10922-10932. | 3.2 | 60 |
| 18 | Direct Visible-Light-Excited Asymmetric Lewis Acid Catalysis of Intermolecular [2+2] Photocycloadditions. Journal of the American Chemical Society, 2017, 139, 9120-9123. | 13.7 | 203 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Combining the catalytic enantioselective reaction of visible-light-generated radicals with a by-product utilization system. Chemical Science, 2017, 8, 7126-7131. | 7.4 | 67 |
| 20 | Origins of Enantioselectivity in Asymmetric Radical Additions to Octahedral Chiral-at-Rhodium Enolates: A Computational Study. Journal of the American Chemical Society, 2017, 139, 17902-17907. | 13.7 | 58 |
| 21 | Visible-Light-Activated Asymmetric Î²-Câ€“H Functionalization of Acceptor-Substituted Ketones with 1,2-Dicarbonyl Compounds. Journal of the American Chemical Society, 2017, 139, 17245-17248. | 13.7 | 85 |
| 22 | Catalytic asymmetric synthesis of a nitrogen heterocycle through stereocontrolled direct photoreaction from electronically excited state. Nature Communications, 2017, 8, 2245. | 12.8 | 82 |
| 23 | Asymmetric Catalysis with Organic Azides and Diazo Compounds Initiated by Photoinduced Electron Transfer. Journal of the American Chemical Society, 2016, 138, 12636-12642. | 13.7 | 160 |
| 24 | Visible-Light-Activated Enantioselective Perfluoroalkylation with a Chiral Iridium Photoredox Catalyst. Synlett, 2016, 27, 749-753. | 1.8 | 43 |