

Andreas C Bauer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2520919/publications.pdf>

Version: 2024-02-01

24
papers

1,886
citations

516710

16
h-index

642732

23
g-index

31
all docs

31
docs citations

31
times ranked

1291
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Catalytic enantioselective reactions driven by photoinduced electron transfer. <i>Nature</i> , 2005, 436, 1139-1140. | 27.8 | 418 |
| 2 | Enantioselective Intermolecular [2 + 2] Photocycloaddition Reactions of 2(1 <i>H</i>)-Quinolones Induced by Visible Light Irradiation. <i>Journal of the American Chemical Society</i> , 2016, 138, 7808-7811. | 13.7 | 221 |
| 3 | Enantioselective Intramolecular [2 + 2]-Photocycloaddition Reactions of 4-Substituted Quinolones Catalyzed by a Chiral Sensitizer with a Hydrogen-Bonding Motif. <i>Journal of the American Chemical Society</i> , 2011, 133, 16689-16697. | 13.7 | 201 |
| 4 | Catalytic deracemization of chiral allenes by sensitized excitation with visible light. <i>Nature</i> , 2018, 564, 240-243. | 27.8 | 180 |
| 5 | Light-Driven Enantioselective Organocatalysis. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 6640-6642. | 13.8 | 179 |
| 6 | Enantioselective Lewis Acid Catalysis in Intramolecular [2 + 2] Photocycloaddition Reactions: A Mechanistic Comparison between Representative Coumarin and Enone Substrates. <i>Journal of the American Chemical Society</i> , 2015, 137, 5170-5176. | 13.7 | 93 |
| 7 | Enantioselective Visible-Light-Mediated Formation of 3-Cyclopropylquinolones by Triplet-Sensitized Deracemization. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3538-3541. | 13.8 | 75 |
| 8 | Intramolecular [2+2] Photocycloaddition of 3- and 4-(But-3-enyl)oxyquinolones: Influence of the Alkene Substitution Pattern, Photophysical Studies, and Enantioselective Catalysis by a Chiral Sensitizer. <i>Chemistry - A European Journal</i> , 2013, 19, 7461-7472. | 3.3 | 67 |
| 9 | Triplet Energy Transfer from Ruthenium Complexes to Chiral Eniminium Ions: Enantioselective Synthesis of Cyclobutanecarbaldehydes by [2+2] Photocycloaddition. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9659-9668. | 13.8 | 59 |
| 10 | Enantioselective Visible-Light-Induced Radical-Addition Reactions to 3-Alkylidene Indolin-2-ones. <i>Chemistry - A European Journal</i> , 2016, 22, 6519-6523. | 3.3 | 58 |
| 11 | Photochemically Induced Ring Opening of Spirocyclopropyl Oxindoles: Evidence for a Triplet 1,3-Di-radical Intermediate and Deracemization by a Chiral Sensitizer. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21640-21647. | 13.8 | 53 |
| 12 | Enantioselective radical cyclisation reactions of 4-substituted quinolones mediated by a chiral template. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3516. | 2.8 | 52 |
| 13 | Intramolecular [2+2] Photocycloaddition of Cyclic Enones: Selectivity Control by Lewis Acids and Mechanistic Implications. <i>Chemistry - A European Journal</i> , 2019, 25, 8135-8148. | 3.3 | 45 |
| 14 | A Thioxanthone Sensitizer with a Chiral Phosphoric Acid Binding Site: Properties and Applications in Visible Light-Mediated Cycloadditions. <i>Chemistry - A European Journal</i> , 2020, 26, 5190-5194. | 3.3 | 36 |
| 15 | Enantioselective Visible-Light-Mediated Formation of 3-Cyclopropylquinolones by Triplet-Sensitized Deracemization. <i>Angewandte Chemie</i> , 2019, 131, 3576-3579. | 2.0 | 22 |
| 16 | Macrocyclic NHC complexes of group 10 elements with enlarged aromaticity for biological studies. <i>Dalton Transactions</i> , 2020, 49, 14106-14114. | 3.3 | 14 |
| 17 | Visible light-mediated intermolecular [2 + 2] photocycloaddition of 1-aryl-2-nitroethenes and olefins. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7192-7203. | 2.8 | 13 |
| 18 | Triplet Energy Transfer from Ruthenium Complexes to Chiral Eniminium Ions: Enantioselective Synthesis of Cyclobutanecarbaldehydes by [2+2] Photocycloaddition. <i>Angewandte Chemie</i> , 2020, 132, 9746-9755. | 2.0 | 13 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Assignment of the absolute configuration of 7-substituted 3-azabicyclo[3.3.1]nonan-2-ones by NMR-titration experiments. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 3799-3803. | 1.8 | 11 |
| 20 | Photochemically Induced Ring Opening of Spirocyclopropyl Oxindoles: Evidence for a Triplet 1,3-Diradical Intermediate and Deracemization by a Chiral Sensitizer. <i>Angewandte Chemie</i> , 2020, 132, 21824-21831. | 2.0 | 10 |
| 21 | Chirogenic [3 + 2]-photocycloaddition reactions of 2-substituted naphthoquinones with cyclic alkenes. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1463-1468. | 2.9 | 6 |
| 22 | 5 Templated Enantioselective Photocatalysis. , 2013, , 67-90. | | 4 |
| 23 | Templated enantioselective photocatalysis. <i>Physical Sciences Reviews</i> , 2019, 4, . | 0.8 | 1 |
| 24 | 4. Templated enantioselective photocatalysis. , 2020, , 73-102. | | 0 |