

# Paolo Melchiorre

## List of Publications by Year in descending order

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172  
papers

19,526  
citations

7096

78  
h-index

11607

135  
g-index

265  
all docs

265  
docs citations

265  
times ranked

8303  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Asymmetric Aminocatalysis "Gold Rush in Organic Chemistry. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 6138-6171.  | 13.8 | 1,175     |
| 2  | Synthetic Methods Driven by the Photoactivity of Electron Donor "Acceptor Complexes. <i>Journal of the American Chemical Society</i> , 2020, 142, 5461-5476.  | 13.7 | 617       |
| 3  | Mechanistic Studies in Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 3730-3747.  | 13.8 | 559       |
| 4  | Photochemical activity of a key donor "acceptor complex can drive stereoselective catalytic $\beta$ -alkylation of aldehydes. <i>Nature Chemistry</i> , 2013, 5, 750-756.   | 13.6 | 530       |
| 5  | Enhancing the potential of enantioselective organocatalysis with light. <i>Nature</i> , 2018, 554, 41-49.   | 27.8 | 466       |
| 6  | Targeting Structural and Stereochemical Complexity by Organocascade Catalysis: Construction of Spirocyclic Oxindoles Having Multiple Stereocenters. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7200-7203. | 13.8 | 429       |
| 7  | Cinchona "based Primary Amine Catalysis in the Asymmetric Functionalization of Carbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9748-9770.  | 13.8 | 403       |
| 8  | Asymmetric Catalysis of Diels "Alder Reactions with in Situ Generated Heterocyclic <i>ortho</i> -Quinodimethanes. <i>Journal of the American Chemical Society</i> , 2011, 133, 15212-15218.                                 | 13.7 | 357       |
| 9  | Asymmetric catalytic formation of quaternary carbons by iminium ion trapping of radicals. <i>Nature</i> , 2016, 532, 218-222.   | 27.8 | 345       |
| 10 | Organocatalytic Asymmetric Friedel "Crafts Alkylation of Indoles with Simple $\beta$ -Unsaturated Ketones. <i>Organic Letters</i> , 2007, 9, 1403-1405.   | 4.6  | 300       |
| 11 | Photo-organocatalytic Enantioselective Perfluoroalkylation of $\beta$ -Ketoesters. <i>Journal of the American Chemical Society</i> , 2015, 137, 5678-5681.  | 13.7 | 268       |
| 12 | Sequential One-Pot InBr <sub>3</sub> -Catalyzed 1,4- then 1,2-Nucleophilic Addition to Enones. <i>Journal of Organic Chemistry</i> , 2002, 67, 3700-3704.   | 3.2  | 259       |
| 13 | Enantioselective Organocatalytic Alkylation of Aldehydes and Enals Driven by the Direct Photoexcitation of Enamines. <i>Journal of the American Chemical Society</i> , 2015, 137, 6120-6123.                                | 13.7 | 251       |
| 14 | Visible-light excitation of iminium ions enables the enantioselective catalytic $\beta$ -alkylation of enals. <i>Nature Chemistry</i> , 2017, 9, 868-873.   | 13.6 | 237       |
| 15 | Photo "Organocatalysis of Atom "Transfer Radical Additions to Alkenes. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 12064-12068.  | 13.8 | 234       |
| 16 | When asymmetric aminocatalysis meets the vinylogy principle. <i>Chemical Communications</i> , 2013, 49, 4869.   | 4.1  | 233       |
| 17 | Chemistry glows green with photoredox catalysis. <i>Nature Communications</i> , 2020, 11, 803.  | 12.8 | 231       |
| 18 | Diastereodivergent Asymmetric Sulfa-Michael Additions of $\beta$ -Branched Enones using a Single Chiral Organic Catalyst. <i>Journal of the American Chemical Society</i> , 2011, 133, 17934-17941.                         | 13.7 | 224       |

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|----|---|------|-----------|
| 19 | Cooperative Organocatalysis for the Asymmetric $\beta$ -Alkylation of $\alpha$ -Branched Enals. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 9685-9688.   | 13.8 | 219       |
| 20 | Radical-Based C-C Bond-Forming Processes Enabled by the Photoexcitation of 4-Alkyl-1,4-dihydropyridines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15039-15043.  | 13.8 | 210       |
| 21 | Organocascade Reactions of Enones Catalyzed by a Chiral Primary Amine. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7196-7199.  | 13.8 | 196       |
| 22 | Mechanism of the Stereoselective $\alpha$ -Alkylation of Aldehydes Driven by the Photochemical Activity of Enamines. <i>Journal of the American Chemical Society</i> , 2016, 138, 8019-8030.                                      | 13.7 | 196       |
| 23 | Dioxindole in Asymmetric Catalytic Synthesis: Routes to Enantioenriched $\beta$ -Substituted $\alpha$ -Hydroxyoxindoles and the Preparation of Maremycin A. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 971-974. | 13.8 | 194       |
| 24 | Metal-Free Photochemical Aromatic Perfluoroalkylation of $\alpha$ -Cyano Arylacetates. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4921-4925.  | 13.8 | 194       |
| 25 | Proline-Catalyzed Asymmetric Formal $\alpha$ -Alkylation of Aldehydes via Vinylogous Iminium Ion Intermediates Generated from Arylsulfonyl Indoles. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8707-8710.       | 13.8 | 187       |
| 26 | Direct Enantioselective Michael Addition of Aldehydes to Vinyl Ketones Catalyzed by Chiral Amines. <i>Journal of Organic Chemistry</i> , 2003, 68, 4151-4157.   | 3.2  | 186       |
| 27 | X-Ray Characterization of an Electron Donor-Acceptor Complex that Drives the Photochemical Alkylation of Indoles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1485-1489.   | 13.8 | 183       |
| 28 | Direct asymmetric vinylogous Michael addition of cyclic enones to nitroalkenes via dienamine catalysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 20642-20647.          | 7.1  | 181       |
| 29 | Organocatalytic Asymmetric Aziridination of Enones. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8703-8706.   | 13.8 | 180       |
| 30 | Stereocontrolled Synthesis of 1,4-Dicarbonyl Compounds by Photochemical Organocatalytic Acyl Radical Addition to Enals. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1213-1217.                                   | 13.8 | 175       |
| 31 | Organocatalytic Asymmetric Hydrophosphination of $\alpha,\beta$ -Unsaturated Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4504-4506.   | 13.8 | 164       |
| 32 | Asymmetric Iminium Ion Catalysis with a Novel Bifunctional Primary Amine Thiourea: Controlling Adjacent Quaternary and Tertiary Stereocenters. <i>Chemistry - A European Journal</i> , 2009, 15, 7846-7849.                       | 3.3  | 159       |
| 33 | Enantioselective direct $\alpha$ -alkylation of cyclic ketones by means of photo-organocatalysis. <i>Chemical Science</i> , 2014, 5, 2438.  | 7.4  | 157       |
| 34 | Photochemical generation of radicals from alkyl electrophiles using a nucleophilic organic catalyst. <i>Nature Chemistry</i> , 2019, 11, 129-135.   | 13.6 | 153       |
| 35 | Light in Aminocatalysis: The Asymmetric Intermolecular $\alpha$ -Alkylation of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 1360-1363.   | 13.8 | 149       |
| 36 | Multicatalytic Asymmetric Synthesis of Complex Tetrahydrocarbazoles via a Diels-Alder/Benzoin Reaction Sequence. <i>Organic Letters</i> , 2012, 14, 1310-1313.  | 4.6  | 149       |

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|----|---|------|-----------|
| 37 | Organocatalytic Asymmetric Conjugate Addition of 1,3-Dicarbonyl Compounds to Maleimides. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 4966-4970.  | 13.8 | 147       |
| 38 | Organocatalytic Asymmetric Sulfa $\alpha$ -Michael Addition to $\beta,\beta$ -Unsaturated Ketones. <i>Advanced Synthesis and Catalysis</i> , 2008, 350, 49-53.  | 4.3  | 145       |
| 39 | Asymmetric Organocatalytic Cascade Reactions with $\beta$ -Substituted $\beta,\beta$ -Unsaturated Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7892-7894.  | 13.8 | 144       |
| 40 | Aminocatalytic Enantioselective 1,6-Additions of Alkyl Thiols to Cyclic Dienones: Vinylogous Iminium-Ion Activation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6439-6442.  | 13.8 | 143       |
| 41 | The First Catalytic Enantioselective Nozaki-Hiyama Reaction. <i>Angewandte Chemie - International Edition</i> , 1999, 38, 3357-3359.  | 13.8 | 137       |
| 42 | Control of Remote Stereochemistry in the Synthesis of Spirocyclic Oxindoles: Vinylogous Organocascade Catalysis. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5360-5363.  | 13.8 | 124       |
| 43 | Kinetic Resolution of Epoxides by a C $\alpha$ -C Bond-Forming Reaction: Highly Enantioselective Addition of Indoles to cis,trans, and meso Aromatic Epoxides Catalyzed by [Cr(salen)] Complexes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 84-87. | 13.8 | 120       |
| 44 | Extending the Aminocatalytic HOMO-Raising Activation Strategy: Where Is the Limit?. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5290-5292.   | 13.8 | 119       |
| 45 | Enantioselective radical conjugate additions driven by a photoactive intramolecular iminium-ion-based EDA complex. <i>Nature Communications</i> , 2018, 9, 3274.  | 12.8 | 118       |
| 46 | Asymmetric Aminolysis of Aromatic Epoxides: A Facile Catalytic Enantioselective Synthesis of anti- $\beta$ -Amino Alcohols. <i>Organic Letters</i> , 2004, 6, 2173-2176.  | 4.6  | 116       |
| 47 | Mechanistische Studien in der Photokatalyse. <i>Angewandte Chemie</i> , 2019, 131, 3768-3786.   | 2.0  | 115       |
| 48 | Asymmetric Photocatalytic C $\alpha$ -H Functionalization of Toluene and Derivatives. <i>Journal of the American Chemical Society</i> , 2018, 140, 8439-8443.   | 13.7 | 112       |
| 49 | A General Organocatalytic System for Electron Donor-Acceptor Complex Photoactivation and Its Use in Radical Processes. <i>Journal of the American Chemical Society</i> , 2021, 143, 12304-12314.  | 13.7 | 107       |
| 50 | Quaternary Stereogenic Carbon Atoms in Complex Molecules by an Asymmetric, Organocatalytic, Triple-Cascade Reaction. <i>Chemistry - A European Journal</i> , 2008, 14, 4788-4791.   | 3.3  | 104       |
| 51 | Enantioselective Photochemical Organocascade Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1068-1072.   | 13.8 | 104       |
| 52 | Controlling the Molecular Topology of Vinylogous Iminium Ions by Logical Substrate Design: Highly Regio- and Stereoselective Aminocatalytic 1,6-Addition to Linear 2,4-Dienals. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10780-10783.             | 13.8 | 103       |
| 53 | Direct Catalytic Enantioselective Vinylogous Aldol Reaction of $\beta$ -Branched Enals with Isatins. <i>Organic Letters</i> , 2012, 14, 5590-5593.  | 4.6  | 102       |
| 54 | Catalytic enantioselective conjugate addition of indoles to simple $\beta,\beta$ -unsaturated ketones. <i>Tetrahedron Letters</i> , 2003, 44, 5843-5846.  | 1.4  | 101       |

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|----|--|------|-----------|
| 55 | A Redox-Active Nickel Complex that Acts as an Electron Mediator in Photochemical Giese Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4953-4957.                                  | 13.8 | 101       |
| 56 | Organocatalytic Asymmetric $\alpha$ -Selenenylation of Aldehydes. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 6882-6885.  | 13.8 | 99        |
| 57 | Direct Stereoselective Installation of Alkyl Fragments at the $\beta$ -Carbon of Enals via Excited Iminium Ion Catalysis. <i>ACS Catalysis</i> , 2018, 8, 1062-1066.                                       | 11.2 | 99        |
| 58 | Aminocatalytic Enantioselective Mannich Reaction of Aldehydes with In Situ Generated $\alpha$ -Cbz and $\alpha$ -Boc Imines. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 8700-8702.       | 13.8 | 98        |
| 59 | Asymmetric Vinylogous Diels-Alder Reactions Catalyzed by a Chiral Phosphoric Acid. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 2997-3000.   | 13.8 | 96        |
| 60 | Enantioselective Organocatalytic Diels-Alder Trapping of Photochemically Generated Hydroxyquinodimethanes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 3313-3317.                         | 13.8 | 96        |
| 61 | Enantioselective Vinylogous Organocascade Reactions. <i>Chemical Record</i> , 2016, 16, 1787-1806.   | 5.8  | 95        |
| 62 | Photochemical Organocatalytic Borylation of Alkyl Chlorides, Bromides, and Sulfonates. <i>ACS Catalysis</i> , 2019, 9, 5876-5880.  | 11.2 | 95        |
| 63 | Organocatalytic asymmetric hydrophosphination of nitroalkenes. <i>Chemical Communications</i> , 2007, , 722-724.   | 4.1  | 93        |
| 64 | Multiple approaches to enantiopure spirocyclic benzofuranones using organocatalytic cascade reactions. <i>Chemical Communications</i> , 2011, 47, 233-235.   | 4.1  | 93        |
| 65 | Organocatalytic Asymmetric $\alpha$ -Halogenation of 1,3-Dicarbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6219-6222.   | 13.8 | 91        |
| 66 | InBr <sub>3</sub> -Catalyzed Friedel-Crafts Addition of Indoles to Chiral Aromatic Epoxides: A Facile Route to Enantiopure Indolyl Derivatives. <i>Journal of Organic Chemistry</i> , 2002, 67, 5386-5389. | 3.2  | 90        |
| 67 | Perchloric Acid and Its Salts: Very Powerful Catalysts in Organic Chemistry. <i>Chemical Reviews</i> , 2010, 110, 3501-3551.   | 47.7 | 90        |
| 68 | Asymmetric Catalytic Synthesis of Enantiopure N-Protected 1,2-Amino Alcohols. <i>Organic Letters</i> , 2004, 6, 3973-3975.   | 4.6  | 89        |
| 69 | Photochemical Asymmetric Nickel-Catalyzed Acyl Cross-Coupling. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16854-16858.   | 13.8 | 86        |
| 70 | Enantioselective Formal $\alpha$ -Methylation and $\alpha$ -Benzoylation of Aldehydes by Means of Photoorganocatalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 4447-4451.            | 13.8 | 83        |
| 71 | A Practical Indium Tribromide Catalysed Addition of Indoles to Nitroalkenes in Aqueous Media. <i>Synthesis</i> , 2002, 2002, 1110-1114.  | 2.3  | 81        |
| 72 | Amide Synthesis by Nickel/Photoredox-Catalyzed Direct Carbamoylation of (Hetero)Aryl Bromides. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5248-5253.                                     | 13.8 | 81        |

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|----|---|------|-----------|
| 73 | Zn(ClO <sub>4</sub> ) <sub>2</sub> ·6H <sub>2</sub> O as a Powerful Catalyst for the Conversion of $\beta$ -Ketoesters into $\beta$ -Enamino Esters. <i>Synlett</i> , 2004, 2004, 0239-0242.  | 1.8  | 80        |
| 74 | Organocatalytic Asymmetric $\alpha$ -Hydroxylation of $\alpha,\beta$ -Unsaturated Ketones. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5492-5495.  | 2.4  | 79        |
| 75 | Magnesium perchlorate as efficient Lewis acid for the Knoevenagel condensation between $\beta$ -diketones and aldehydes. <i>Tetrahedron Letters</i> , 2008, 49, 2555-2557.  | 1.4  | 79        |
| 76 | Photochemical C-H Hydroxyalkylation of Quinolines and Isoquinolines. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 16878-16883.  | 13.8 | 77        |
| 77 | Brønsted acid-catalysed conjugate addition of photochemically generated $\alpha$ -amino radicals to alkenylpyridines. <i>Chemical Communications</i> , 2016, 52, 3520-3523.   | 4.1  | 76        |
| 78 | Radical-Based C-C Bond-Forming Processes Enabled by the Photoexcitation of $\alpha,\alpha$ -Dihydropyridines. <i>Angewandte Chemie</i> , 2017, 129, 15235-15239.  | 2.0  | 76        |
| 79 | Unusual and Unexpected Reactivity of <i>tert</i> -Butyl Dicarbonate (Boc <sub>2</sub> O) with Alcohols in the Presence of Magnesium Perchlorate. A New and General Route to <i>tert</i> -Butyl Ethers. <i>Organic Letters</i> , 2005, 7, 427-430. | 4.6  | 73        |
| 80 | A Mechanistic Rationale for the 9-Amino(9-deoxy) Cinchona Alkaloids Catalyzed Asymmetric Reactions via Iminium Ion Activation of Enones. <i>Journal of the American Chemical Society</i> , 2013, 135, 9091-9098.                                  | 13.7 | 72        |
| 81 | Asymmetric Vinylogous Aldol Reaction via H-Bond-Directing Dienamine Catalysis. <i>Organic Letters</i> , 2013, 15, 220-223.  | 4.6  | 71        |
| 82 | Synthesis and binding activity of endomorphin-1 analogues containing $\alpha$ -amino acids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 2755-2758.  | 2.2  | 70        |
| 83 | A Lewis Acid-Mediated Protocol for the Protection of Aryl Amines as their Boc-Derivatives. <i>Synlett</i> , 2004, 2004, 1794-1798.  | 1.8  | 68        |
| 84 | A Photochemical Organocatalytic Strategy for the $\alpha$ -Alkylation of Ketones by using Radicals. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9485-9490.   | 13.8 | 65        |
| 85 | Indium tribromide: a highly effective catalyst for the addition of trimethylsilyl cyanide to $\alpha$ -hetero-substituted ketones. <i>Tetrahedron Letters</i> , 2001, 42, 3041-3043.  | 1.4  | 64        |
| 86 | Dioxindole in asymmetric catalytic synthesis: direct access to 3-substituted 3-hydroxy-2-oxindoles via 1,4-additions to nitroalkenes. <i>Chemical Communications</i> , 2012, 48, 3336.  | 4.1  | 63        |
| 87 | Computational Study with DFT and Kinetic Models on the Mechanism of Photoinitiated Aromatic Perfluoroalkylations. <i>Organic Letters</i> , 2015, 17, 2676-2679.   | 4.6  | 63        |
| 88 | Stereocontrolled Synthesis of 1,4-Dicarbonyl Compounds by Photochemical Organocatalytic Acyl Radical Addition to Enals. <i>Angewandte Chemie</i> , 2019, 131, 1226-1230.  | 2.0  | 63        |
| 89 | Photochemical generation of acyl and carbamoyl radicals using a nucleophilic organic catalyst: applications and mechanism thereof. <i>Chemical Science</i> , 2020, 11, 6312-6324.   | 7.4  | 63        |
| 90 | Asymmetric Catalytic Aziridination of Cyclic Enones. <i>Chemistry - an Asian Journal</i> , 2010, 5, 1652-1656.  | 3.3  | 61        |

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|-----|---|------|-----------|
| 91  | Photochemical direct perfluoroalkylation of phenols. <i>Tetrahedron</i> , 2015, 71, 4535-4542.  | 1.9  | 61        |
| 92  | Introduction: Photochemical Catalytic Processes. <i>Chemical Reviews</i> , 2022, 122, 1483-1484.  | 47.7 | 61        |
| 93  | Forging Fluorine-Containing Quaternary Stereocenters by a Light-Driven Organocatalytic Aldol Desymmetrization Process. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11875-11879.  | 13.8 | 60        |
| 94  | Photochemical Organocatalytic Benzoylation of Allylic C-H Bonds. <i>Journal of the American Chemical Society</i> , 2022, 144, 1113-1118.  | 13.7 | 60        |
| 95  | A Convenient Catalytic Procedure for the Addition of Trimethylsilyl Cyanide to Functionalised Ketones, Mediated by InBr <sub>3</sub> - Insight into the Reaction Mechanism. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 3243-3249. | 2.4  | 59        |
| 96  | Bifunctional Catalysis by Natural Cinchona Alkaloids: A Mechanism Explained. <i>Chemistry - A European Journal</i> , 2009, 15, 7913-7921.   | 3.3  | 59        |
| 97  | Chemo- and enantioselective catalytic addition of propargyl chloride to aldehydes promoted by [Cr(Salen)] complexes. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1063-1069.   | 1.8  | 58        |
| 98  | Photo-Organocatalytic Enantioselective Radical Cascade Reactions of Unactivated Olefins. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12819-12823.  | 13.8 | 58        |
| 99  | Reaction of Dicarbonates with Carboxylic Acids Catalyzed by Weak Lewis Acids: General Method for the Synthesis of Anhydrides and Esters. <i>Synthesis</i> , 2007, 2007, 3489-3496.  | 2.3  | 57        |
| 100 | Synthesis of 9-amino(9-deoxy)epi cinchona alkaloids, general chiral organocatalysts for the stereoselective functionalization of carbonyl compounds. <i>Nature Protocols</i> , 2013, 8, 325-344.  | 12.0 | 57        |
| 101 | Light-Driven Enantioselective Organocatalytic <sup>12</sup> C-Benzoylation of Enals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3304-3308.  | 13.8 | 55        |
| 102 | Direct Catalytic Synthesis of Enantiopure 5-Substituted Oxazolidinones from Racemic Terminal Epoxides. <i>Organic Letters</i> , 2005, 7, 1983-1985.   | 4.6  | 53        |
| 103 | Vinylogous Organocatalytic Triple Cascade Reaction: Forging Six Stereocenters in Complex Spiro-Oxindolic Cyclohexanes. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3124-3130.  | 4.3  | 53        |
| 104 | Diastereodivergent organocatalysis for the asymmetric synthesis of chiral annulated furans. <i>Chemical Science</i> , 2015, 6, 4242-4246.   | 7.4  | 53        |
| 105 | Studies on the Enantioselective Iminium Ion Trapping of Radicals Triggered by an Electron-Relay Mechanism. <i>Journal of the American Chemical Society</i> , 2017, 139, 4559-4567.  | 13.7 | 53        |
| 106 | Cr(Salen)-Catalyzed Addition of 1,3-Dichloropropene to Aromatic Aldehydes. A Simple Access to Optically Active Vinyl Epoxides. <i>Organic Letters</i> , 2001, 3, 1153-1155.   | 4.6  | 48        |
| 107 | Highly Efficient Solvent-Free Condensation of Carboxylic Acids with Alcohols Catalysed by Zinc Perchlorate Hexahydrate, Zn(ClO <sub>4</sub> ) <sub>2</sub> ·6H <sub>2</sub> O. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 33-38.        | 4.3  | 47        |
| 108 | Catalytic asymmetric C-C cross-couplings enabled by photoexcitation. <i>Nature Chemistry</i> , 2021, 13, 575-580.   | 13.6 | 47        |

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|-----|--|------|-----------|
| 109 | A General Organocatalytic System for Enantioselective Radical Conjugate Additions to Enals. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5357-5362.  | 13.8 | 45        |
| 110 | Alcohols and Di-tert-butyl Dicarboxylate: How the Nature of the Lewis Acid Catalyst May Address the Reaction to the Synthesis of tert-Butyl Ethers. <i>Journal of Organic Chemistry</i> , 2006, 71, 9580-9588. | 3.2  | 44        |
| 111 | Controlling Stereoselectivity in the Aminocatalytic Enantioselective Mannich Reaction of Aldehydes with In Situ Generated N-Carbamoyl Imines. <i>Chemistry - A European Journal</i> , 2010, 16, 6069-6076.     | 3.3  | 44        |
| 112 | A visible-light mediated three-component radical process using dithiocarbamate anion catalysis. <i>Chemical Science</i> , 2019, 10, 5484-5488.   | 7.4  | 44        |
| 113 | Tetrachlorophthalimides as Organocatalytic Acceptors for Electron Donor-Acceptor Complex Photoactivation. <i>Journal of the American Chemical Society</i> , 2022, 144, 8914-8919.                              | 13.7 | 43        |
| 114 | Secondary Amine-Catalyzed Asymmetric Alkylation of Branched Enals via Dienamine Activation. <i>Helvetica Chimica Acta</i> , 2012, 95, 1985-2006.   | 1.6  | 38        |
| 115 | Enantioselective Photochemical Organocascade Catalysis. <i>Angewandte Chemie</i> , 2018, 130, 1080-1084.   | 2.0  | 38        |
| 116 | Synthesis of Cyclopropane Spirooxindoles by means of a Vinylogous Organocatalytic Cascade. <i>Asian Journal of Organic Chemistry</i> , 2014, 3, 466-469.   | 2.7  | 36        |
| 117 | Enantioselective Organocatalytic Diels-Alder Trapping of Photochemically Generated Hydroxyquinodimethanes. <i>Angewandte Chemie</i> , 2016, 128, 3374-3378.  | 2.0  | 35        |
| 118 | Photochemical Chemoselective Alkylation of Tryptophan-Containing Peptides. <i>Organic Letters</i> , 2021, 23, 285-289.   | 4.6  | 35        |
| 119 | tert-Butyl Ethers: Renaissance of an Alcohol Protecting Group. Facile Cleavage with Cerium(III) Chloride/Sodium Iodide. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 905-910.                          | 4.3  | 32        |
| 120 | Organocatalytic Strategies to Stereoselectively Trap Photochemically Generated Hydroxyquinodimethanes. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2884-2891.                                   | 2.4  | 31        |
| 121 | Light opens pathways for nickel catalysis. <i>Nature</i> , 2015, 524, 297-298.   | 27.8 | 30        |
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