

# Matthew Gaunt

## List of Publications by Year in descending order

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114  
papers

15,669  
citations

18436

62  
h-index

19136

118  
g-index

173  
all docs

173  
docs citations

173  
times ranked

8886  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                          | IF   | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Recent developments in natural product synthesis using metal-catalysed C–H bond functionalisation. <i>Chemical Society Reviews</i> , 2011, 40, 1885.                                                                             | 18.7 | 1,508     |
| 2  | A Meta-Selective Copper-Catalyzed C–H Bond Arylation. <i>Science</i> , 2009, 323, 1593-1597.                                                                                                                                     | 6.0  | 915       |
| 3  | Cu(II)-Catalyzed Direct and Site-Selective Arylation of Indoles Under Mild Conditions. <i>Journal of the American Chemical Society</i> , 2008, 130, 8172-8174.                                                                   | 6.6  | 745       |
| 4  | Palladium-Catalyzed Intermolecular Alkenylation of Indoles by Solvent-Controlled Regioselective C–H Functionalization. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3125-3129.                                   | 7.2  | 594       |
| 5  | Enantioselective organocatalysis. <i>Drug Discovery Today</i> , 2007, 12, 8-27.                                                                                                                                                  | 3.2  | 561       |
| 6  | Oxidative Pd(II)-Catalyzed C–H Bond Amination to Carbazole at Ambient Temperature. <i>Journal of the American Chemical Society</i> , 2008, 130, 16184-16186.                                                                     | 6.6  | 535       |
| 7  | New Strategies for the Transition-Metal Catalyzed Synthesis of Aliphatic Amines. <i>Chemical Reviews</i> , 2020, 120, 2613-2692.                                                                                                 | 23.0 | 510       |
| 8  | Palladium-catalysed C–H activation of aliphatic amines to give strained nitrogen heterocycles. <i>Nature</i> , 2014, 510, 129-133.                                                                                               | 13.7 | 483       |
| 9  | Mild Aerobic Oxidative Palladium (II) Catalyzed C–H Bond Functionalization: A Regioselective and Switchable C–H Alkenylation and Annulation of Pyrroles. <i>Journal of the American Chemical Society</i> , 2006, 128, 2528-2529. | 6.6  | 360       |
| 10 | A Highly <i>Para</i> -Selective Copper(II)-Catalyzed Direct Arylation of Aniline and Phenol Derivatives. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 458-462.                                                   | 7.2  | 315       |
| 11 | Recent Developments in the Use of Catalytic Asymmetric Ammonium Enolates in Chemical Synthesis. <i>Chemical Reviews</i> , 2007, 107, 5596-5605.                                                                                  | 23.0 | 298       |
| 12 | Copper(II)-Catalyzed <i>meta</i> -Selective Direct Arylation of Aryl Carbonyl Compounds. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 463-466.                                                                   | 7.2  | 282       |
| 13 | An Enantioselective Organocatalytic Oxidative Dearomatization Strategy. <i>Journal of the American Chemical Society</i> , 2008, 130, 404-405.                                                                                    | 6.6  | 276       |
| 14 | Enantioselective Organocatalytic Cyclopropanation via Ammonium Ylides. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4641-4644.                                                                                   | 7.2  | 259       |
| 15 | Synthesis of Rhazinicine by a Metal-Catalyzed C–H Bond Functionalization Strategy. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 3004-3007.                                                                       | 7.2  | 244       |
| 16 | Enantioselective <i>ortho</i> -Arylation of <i>N</i> -Acylloxazolidinones with Copper(II)-bisoxazoline Catalysts and Diaryliodonium Salts. <i>Journal of the American Chemical Society</i> , 2011, 133, 13778-13781.             | 6.6  | 217       |
| 17 | Pd-Catalyzed C–H Bond Functionalization on the Indole and Pyrrole Nucleus. <i>Topics in Current Chemistry</i> , 2009, 292, 85-121.                                                                                               | 4.0  | 200       |
| 18 | Copper-Catalyzed Electrophilic Carbofunctionalization of Alkynes to Highly Functionalized Tetrasubstituted Alkenes. <i>Journal of the American Chemical Society</i> , 2013, 135, 5332-5335.                                      | 6.6  | 197       |

| #  | ARTICLE                                                                                                                                                                                                                | IF   | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Amine directed Pd(II)-catalyzed C-H bond functionalization under ambient conditions. <i>Chemical Science</i> , 2011, 2, 312-315.                                                                                       | 3.7  | 196       |
| 20 | Enantioselective Catalytic Intramolecular Cyclopropanation using Modified Cinchona Alkaloid Organocatalysts. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6024-6028.                                   | 7.2  | 195       |
| 21 | A general catalytic $\alpha$ -C-H carbonylation of aliphatic amines to $\alpha$ -lactams. <i>Science</i> , 2016, 354, 851-857.                                                                                         | 6.0  | 195       |
| 22 | Rational Design of Benzyl-Type Protecting Groups Allows Sequential Deprotection of Hydroxyl Groups by Catalytic Hydrogenolysis. <i>Journal of Organic Chemistry</i> , 1998, 63, 4172-4173.                             | 1.7  | 193       |
| 23 | Multicomponent synthesis of tertiary alkylamines by photocatalytic olefin-hydroaminoalkylation. <i>Nature</i> , 2018, 561, 522-527.                                                                                    | 13.7 | 191       |
| 24 | A protein functionalization platform based on selective reactions at methionine residues. <i>Nature</i> , 2018, 562, 563-568.                                                                                          | 13.7 | 186       |
| 25 | Palladium-Catalyzed C(sp <sup>3</sup> )-H Bond Functionalization of Aliphatic Amines. <i>Chem</i> , 2019, 5, 1031-1058.                                                                                                | 5.8  | 184       |
| 26 | Copper-Catalyzed Alkene Arylation with Diaryliodonium Salts. <i>Journal of the American Chemical Society</i> , 2012, 134, 10773-10776.                                                                                 | 6.6  | 178       |
| 27 | Organic-Catalyst-Mediated Cyclopropanation Reaction. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 828-831.                                                                                             | 7.2  | 173       |
| 28 | An Intramolecular Organocatalytic Cyclopropanation Reaction. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2681-2684.                                                                                   | 7.2  | 165       |
| 29 | A steric tethering approach enables palladium-catalysed C-H activation of primary amino alcohols. <i>Nature Chemistry</i> , 2015, 7, 1009-1016.                                                                        | 6.6  | 164       |
| 30 | Convenient Preparation of trans-Arylalkenes via Palladium(II)-Catalyzed Isomerization of cis-Arylalkenes. <i>Journal of Organic Chemistry</i> , 2002, 67, 4627-4629.                                                   | 1.7  | 151       |
| 31 | Palladium-Catalyzed Enantioselective C-H Activation of Aliphatic Amines Using Chiral Anionic BINOL-Phosphoric Acid Ligands. <i>Journal of the American Chemical Society</i> , 2017, 139, 1412-1415.                    | 6.6  | 151       |
| 32 | Cu-Catalyzed Cascades to Carbocycles: Union of Diaryliodonium Salts with Alkenes or Alkynes Exploiting Remote Carbocations. <i>Journal of the American Chemical Society</i> , 2014, 136, 8851-8854.                    | 6.6  | 149       |
| 33 | Enantioselective Cu-Catalyzed Arylation of Secondary Phosphine Oxides with Diaryliodonium Salts toward the Synthesis of P-Chiral Phosphines. <i>Journal of the American Chemical Society</i> , 2016, 138, 13183-13186. | 6.6  | 147       |
| 34 | Copper-Catalyzed Carboarylation of Alkynes via Vinyl Cations. <i>Journal of the American Chemical Society</i> , 2013, 135, 12532-12535.                                                                                | 6.6  | 142       |
| 35 | Palladium(II)-Catalyzed C-H Bond Arylation of Electron-Deficient Arenes at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1076-1079.                                                   | 7.2  | 129       |
| 36 | Copper-Catalyzed Arylative Meyer-Schuster Rearrangement of Propargylic Alcohols to Complex Enones Using Diaryliodonium Salts. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5799-5802.                  | 7.2  | 129       |

| #  | ARTICLE                                                                                                                                                                                                                                                                                                       | IF   | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | Catalytic enantioselective assembly of complex molecules containing embedded quaternary stereogenic centres from simple anisidine derivatives. <i>Chemical Science</i> , 2011, 2, 1487.                                                                                                                       | 3.7  | 120       |
| 38 | Organocatalytic C-H Bond Arylation of Aldehydes to Bis-heteroaryl Ketones. <i>Journal of the American Chemical Society</i> , 2013, 135, 3772-3775.                                                                                                                                                            | 6.6  | 120       |
| 39 | Multicomponent Linchpin Couplings. Reaction of Dithiane Anions with Terminal Epoxides, Epichlorohydrin, and Vinyl Epoxides: A Efficient, Rapid, and Stereocontrolled Assembly of Advanced Fragments for Complex Molecule Synthesis. <i>Journal of the American Chemical Society</i> , 2003, 125, 14435-14445. | 6.6  | 119       |
| 40 | A Concise and Scalable Strategy for the Total Synthesis of Dictyodendrin B Based on Sequential C-H Functionalization. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5451-5455.                                                                                                                 | 7.2  | 113       |
| 41 | Ligand-Enabled Catalytic C-H Arylation of Aliphatic Amines by a Four-Membered Ring Cyclopalladation Pathway. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15840-15844.                                                                                                                        | 7.2  | 110       |
| 42 | Mechanistic Insights into the Palladium-Catalyzed Aziridination of Aliphatic Amines by C-H Activation. <i>Journal of the American Chemical Society</i> , 2015, 137, 10632-10641.                                                                                                                              | 6.6  | 104       |
| 43 | Copper-Catalyzed Intramolecular Electrophilic Carbofunctionalization of Allylic Amides. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9284-9288.                                                                                                                                               | 7.2  | 101       |
| 44 | Enantioselective and Regiodivergent Copper-Catalyzed Electrophilic Arylation of Allylic Amides with Diaryliodonium Salts. <i>Journal of the American Chemical Society</i> , 2015, 137, 7986-7989.                                                                                                             | 6.6  | 98        |
| 45 | Novel Anti-Markovnikov Regioselectivity in the Wacker Reaction of Styrenes. <i>Chemistry - A European Journal</i> , 2006, 12, 949-955.                                                                                                                                                                        | 1.7  | 96        |
| 46 | Enantioselective Copper-Catalyzed Arylation-Driven Semipinacol Rearrangement of Tertiary Allylic Alcohols with Diaryliodonium Salts. <i>Journal of the American Chemical Society</i> , 2017, 139, 9160-9163.                                                                                                  | 6.6  | 95        |
| 47 | Cobalt-catalysed C-H carbonylative cyclisation of aliphatic amides. <i>Chemical Science</i> , 2017, 8, 2588-2591.                                                                                                                                                                                             | 3.7  | 93        |
| 48 | Visible-Light-Mediated Modification and Manipulation of Biomacromolecules. <i>Chemical Reviews</i> , 2022, 122, 1752-1829.                                                                                                                                                                                    | 23.0 | 93        |
| 49 | A general carbonyl alkylative amination for tertiary amine synthesis. <i>Nature</i> , 2020, 581, 415-420.                                                                                                                                                                                                     | 13.7 | 92        |
| 50 | Synthesis of the C-1 <sup>α</sup> -C-28 ABCD Unit of Spongistatin 1. <i>Organic Letters</i> , 2003, 5, 4819-4822.                                                                                                                                                                                             | 2.4  | 91        |
| 51 | Derailing the Wacker Oxidation: Development of a Palladium-Catalyzed Amidation Reaction. <i>Organic Letters</i> , 2001, 3, 25-28.                                                                                                                                                                             | 2.4  | 86        |
| 52 | Streamlined Synthesis of C(sp <sup>3</sup> )-Rich <i>N</i> -Heterospirocycles Enabled by Visible-Light-Mediated Photocatalysis. <i>Journal of the American Chemical Society</i> , 2019, 141, 8426-8430.                                                                                                       | 6.6  | 86        |
| 53 | Selective Palladium(II)-Catalyzed Carbonylation of Methylene C-H Bonds in Aliphatic Amines. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11958-11962.                                                                                                                                         | 7.2  | 83        |
| 54 | Chemical Synthesis of Aspidosperma Alkaloids Inspired by the Reverse of the Biosynthesis of the Rhazinilam Family of Natural Products. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9288-9291.                                                                                                | 7.2  | 79        |

| #  | ARTICLE                                                                                                                                                                                                                     | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Development of Î²-keto 1,3-dithianes as versatile intermediates for organic synthesis. <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 15-16.                                                                          | 1.5 | 74        |
| 56 | Total Synthesis of Spongistatin 1: A Synthetic Strategy Exploiting Its Latent Pseudo-Symmetry. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5433-5438.                                                      | 7.2 | 74        |
| 57 | Catalytic C(sp <sup>3</sup> )â€H bond activation in tertiary alkylamines. <i>Nature Chemistry</i> , 2020, 12, 76-81.                                                                                                        | 6.6 | 74        |
| 58 | A counteranion triggered arylation strategy using diaryliodonium fluorides. <i>Chemical Science</i> , 2015, 6, 1277-1281.                                                                                                   | 3.7 | 72        |
| 59 | Organocatalytic Sigmatropic Reactions: Development of a [2,3] Wittig Rearrangement through Secondary Amine Catalysis. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2116-2119.                               | 7.2 | 58        |
| 60 | Copperâ€Catalyzed Oxyâ€Alkenylation of Homoallylic Alcohols to Generate Functional <i>syn</i>-1,3â€Diol Derivatives. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 7857-7861.                                | 7.2 | 56        |
| 61 | Continuousâ€Flow Synthesis and Derivatization of Aziridines through Palladiumâ€Catalyzed C(sp <sup>3</sup> )â€H Activation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8878-8883.                         | 7.2 | 55        |
| 62 | The Î±-tertiary amine motif drives remarkable selectivity for Pd-catalyzed carbonylation of Î²-methylene Câ€H bonds. <i>Chemical Science</i> , 2017, 8, 8198-8203.                                                          | 3.7 | 55        |
| 63 | A Practical and Efficient Synthesis of the C-16â€C-28 Spiroketal Fragment (CD) of the Spongistatins. <i>Organic Letters</i> , 2003, 5, 4815-4818.                                                                           | 2.4 | 52        |
| 64 | Ligand-assisted palladium-catalyzed Câ€H alkenylation of aliphatic amines for the synthesis of functionalized pyrrolidines. <i>Chemical Science</i> , 2017, 8, 3586-3592.                                                   | 3.7 | 52        |
| 65 | Selective Reductive Elimination at Alkyl Palladium(IV) by Dissociative Ligand Ionization: Catalytic C(sp <sup>3</sup> )â€H Amination to Azetidines. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3178-3182. | 7.2 | 52        |
| 66 | Rapid Syntheses of (âˆ-)â€FR901483 and (+)â€TAN1251C Enabled by Complexityâ€Generating Photocatalytic Olefin Hydroaminoalkylation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 2256-2261.                  | 7.2 | 51        |
| 67 | The total synthesis of K-252c (staurosporinone) via a sequential Câ€H functionalisation strategy. <i>Chemical Science</i> , 2016, 7, 2706-2710.                                                                             | 3.7 | 50        |
| 68 | Addition of Dithiols to Bis-Ynones:â€ Development of a Versatile Platform for the Synthesis of Polyketide Natural Products. <i>Organic Letters</i> , 2003, 5, 1147-1150.                                                    | 2.4 | 49        |
| 69 | Dithiane Additions to Vinyl Epoxides:â€ Steric Control over the SN2 and SN2â€ Manifolds. <i>Journal of the American Chemical Society</i> , 2002, 124, 14516-14517.                                                          | 6.6 | 46        |
| 70 | Gramâ€Scale Enantioselective Formal Synthesis of Morphine through an <i>ortho</i>-â€<i>para</i>-Oxidative Phenolic Coupling Strategy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13498-13501.             | 7.2 | 46        |
| 71 | Alkynes to (E)-enolates using tandem catalysis: stereoselective anti-aldol and syn-[3,3]-rearrangement reactions. <i>Tetrahedron</i> , 2010, 66, 6429-6436.                                                                 | 1.0 | 45        |
| 72 | Diastereoselective Câ€H carbonylative annulation of aliphatic amines: a rapid route to functionalized Î³-lactams. <i>Chemical Science</i> , 2018, 9, 7628-7633.                                                             | 3.7 | 45        |

| #  | ARTICLE                                                                                                                                                                                                                                                                      | IF   | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 73 | Visible-Light-Mediated Carbonyl Alkylative Amination to All-Alkyl $\hat{\pm}$ -Tertiary Amino Acid Derivatives. <i>Journal of the American Chemical Society</i> , 2021, 143, 1598-1609.                                                                                      | 6.6  | 39        |
| 74 | Carboxylate-Assisted Oxidative Addition to Aminoalkyl Pd <sup>II</sup> Complexes: C(sp <sup>3</sup> ) $\hat{\pm}$ H Arylation of Alkylamines by Distinct Pd <sup>II</sup> /Pd <sup>IV</sup> Pathway. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9054-9059. | 7.2  | 37        |
| 75 | Selective Hydrogenolysis of Novel Benzyl Carbamate Protecting Groups. <i>Organic Letters</i> , 2000, 2, 1049-1051.                                                                                                                                                           | 2.4  | 36        |
| 76 | Double Conjugate Addition of Dithiols to Propargylic Carbonyl Systems To Generate Protected 1,3-Dicarbonyl Compounds. <i>Journal of Organic Chemistry</i> , 2006, 71, 2715-2725.                                                                                             | 1.7  | 36        |
| 77 | Multicomponent alkene azidoarylation by anion-mediated dual catalysis. <i>Nature</i> , 2021, 598, 597-603.                                                                                                                                                                   | 13.7 | 32        |
| 78 | Evidence that the availability of an allylic hydrogen governs the regioselectivity of the Wacker oxidation. <i>Chemical Communications</i> , 2001, , 1844-1845.                                                                                                              | 2.2  | 31        |
| 79 | Modular Photocatalytic Synthesis of $\hat{\pm}$ -Trialkyl- $\hat{\pm}$ -Tertiary Amines. <i>Journal of the American Chemical Society</i> , 2021, 143, 15946-15959.                                                                                                           | 6.6  | 30        |
| 80 | Callipeltosides A, B and C: Total Syntheses and Structural Confirmation. <i>Chemistry - A European Journal</i> , 2015, 21, 13261-13277.                                                                                                                                      | 1.7  | 28        |
| 81 | Ligand-Enabled Catalytic C $\hat{\pm}$ H Arylation of Aliphatic Amines by a Four-Membered Ring Cyclopalladation Pathway. <i>Angewandte Chemie</i> , 2015, 127, 16066-16070.                                                                                                  | 1.6  | 28        |
| 82 | Preferential hydrogenolysis of NAP esters provides a new orthogonal protecting group strategy for carboxylic acids. <i>Tetrahedron Letters</i> , 1999, 40, 1803-1806.                                                                                                        | 0.7  | 27        |
| 83 | Organic-Catalyst-Mediated Cyclopropanation Reaction. <i>Angewandte Chemie</i> , 2003, 115, 852-855.                                                                                                                                                                          | 1.6  | 26        |
| 84 | Synthesis and Reactivity of Stable Alkyl-Pd(IV) Complexes Relevant to Monodentate N-Directed C(sp <sup>3</sup> ) $\hat{\pm}$ H Functionalization Processes. <i>Journal of the American Chemical Society</i> , 2020, 142, 14169-14177.                                        | 6.6  | 26        |
| 85 | Mechanistic investigation into the C(sp <sup>3</sup> ) $\hat{\pm}$ H acetoxylation of morpholinones. <i>Chemical Science</i> , 2019, 10, 83-89.                                                                                                                              | 3.7  | 25        |
| 86 | Visible light-mediated radical fluoromethylation <i>via</i> halogen atom transfer activation of fluoroiodomethane. <i>Chemical Science</i> , 2021, 12, 12812-12818.                                                                                                          | 3.7  | 25        |
| 87 | Selective Chemical Functionalization at N6-Methyladenosine Residues in DNA Enabled by Visible-Light-Mediated Photoredox Catalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 21484-21492.                                                                 | 6.6  | 24        |
| 88 | Pd(II)-Catalyzed Enantioselective C(sp <sup>3</sup> ) $\hat{\pm}$ H Arylation of Cyclopropanes and Cyclobutanes Guided by Tertiary Alkylamines. <i>Journal of the American Chemical Society</i> , 2022, 144, 3939-3948.                                                      | 6.6  | 23        |
| 89 | Thiol-Mediated $\hat{\pm}$ -Amino Radical Formation via Visible-Light-Activated Ion-Pair Charge-Transfer Complexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 19268-19274.                                                                                | 6.6  | 21        |
| 90 | The effect of chemical representation on active machine learning towards closed-loop optimization. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 1368-1379.                                                                                                           | 1.9  | 20        |

| #   | ARTICLE                                                                                                                                                                                                                                                              | IF   | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 91  | Copper-Catalyzed Oxy-Alkenylation of Homoallylic Alcohols to Generate Functional <i>syn</i> -1,3-Diol Derivatives. <i>Angewandte Chemie</i> , 2015, 127, 7968-7972.                                                                                                  | 1.6  | 19        |
| 92  | Selective Palladium(II)-Catalyzed Carbonylation of Methylene $\hat{C}$ -H Bonds in Aliphatic Amines. <i>Angewandte Chemie</i> , 2017, 129, 12120-12124.                                                                                                              | 1.6  | 18        |
| 93  | Rapid Syntheses of (S)-FR901483 and (+)-TAN1251C Enabled by Complexity-Generating Photocatalytic Olefin Hydroaminoalkylation. <i>Angewandte Chemie</i> , 2020, 132, 2276-2281.                                                                                       | 1.6  | 17        |
| 94  | Selective Reductive Elimination at Alkyl Palladium(IV) by Dissociative Ligand Ionization: Catalytic C(sp <sup>3</sup> ) <sup>3</sup> -H Amination to Azetidines. <i>Angewandte Chemie</i> , 2018, 130, 3232-3236.                                                    | 1.6  | 11        |
| 95  | Visible-light mediated carbonyl trifluoromethylative amination as a practical method for the synthesis of $\hat{I}^2$ -trifluoromethyl tertiary alkylamines. <i>Chemical Science</i> , 2020, 11, 12089-12094.                                                        | 3.7  | 11        |
| 96  | Continuous-Flow Synthesis and Derivatization of Aziridines through Palladium-Catalyzed C(sp <sup>3</sup> ) <sup>3</sup> -H Activation. <i>Angewandte Chemie</i> , 2016, 128, 9024-9029.                                                                              | 1.6  | 10        |
| 97  | Palladium(II)-Catalyzed C(sp <sup>3</sup> ) <sup>3</sup> -H Activation of N,O-Ketals towards a Method for the $\hat{I}^2$ -Functionalization of Ketones. <i>Synlett</i> , 2019, 30, 454-458.                                                                         | 1.0  | 10        |
| 98  | A Class of N <sup>+</sup> -O-Type Oxidants To Access High-Valent Palladium Species. <i>Organometallics</i> , 2019, 38, 143-148.                                                                                                                                      | 1.1  | 8         |
| 99  | Metals are not the only catalysts. <i>Nature</i> , 2011, 470, 183-185.                                                                                                                                                                                               | 13.7 | 5         |
| 100 | Carboxylate-Assisted Oxidative Addition to Aminoalkyl Pd II Complexes: C(sp <sup>3</sup> ) <sup>3</sup> -H Arylation of Alkylamines by Distinct Pd II /Pd IV Pathway. <i>Angewandte Chemie</i> , 2019, 131, 9152-9157.                                               | 1.6  | 5         |
| 101 | Rapid Generation of Complex Molecular Architectures by a Catalytic Enantioselective Dearomatization Strategy. <i>Synlett</i> , 2015, 27, 116-120.                                                                                                                    | 1.0  | 4         |
| 102 | Synthesis of the EF Fragment of Spongistatin 1. <i>Synlett</i> , 2005, 2005, 2031-2034.                                                                                                                                                                              | 1.0  | 2         |
| 103 | Nickel steps towards selectivity. <i>Nature</i> , 2017, 545, 35-36.                                                                                                                                                                                                  | 13.7 | 2         |
| 104 | Cluster Preface: Catalysis Using Sustainable Metals - Part II. <i>Synlett</i> , 2015, 26, 306-306.                                                                                                                                                                   | 1.0  | 1         |
| 105 | Development of $\hat{I}^2$ -Keto 1,3-Dithianes as Versatile Intermediates for Organic Synthesis.. <i>ChemInform</i> , 2003, 34, no.                                                                                                                                  | 0.1  | 0         |
| 106 | Organic Catalyst Mediated Cyclopropanation Reaction.. <i>ChemInform</i> , 2003, 34, no.                                                                                                                                                                              | 0.1  | 0         |
| 107 | Highlights from the 38th ESF/EUCHEM Conference on Stereochemistry, BÄrgerstock, Switzerland, April/May 2003. <i>Chemical Communications</i> , 2003, , 2253-2255.                                                                                                     | 2.2  | 0         |
| 108 | Multicomponent Linchpin Couplings. Reaction of Dithiane Anions with Terminal Epoxides, Epichlorohydrin, and Vinyl Epoxides: Efficient, Rapid, and Stereocontrolled Assembly of Advanced Fragments for Complex Molecule Synthesis.. <i>ChemInform</i> , 2004, 35, no. | 0.1  | 0         |

| #   | ARTICLE                                                                                                                                                       | IF  | CITATIONS |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | An Intramolecular Organocatalytic Cyclopropanation Reaction.. ChemInform, 2004, 35, no.                                                                       | 0.1 | 0         |
| 110 | Enantioselective Organocatalytic Cyclopropanation via Ammonium Ylides.. ChemInform, 2005, 36, no.                                                             | 0.1 | 0         |
| 111 | Palladium-Catalyzed Intermolecular Alkenylation of Indoles by Solvent-Controlled Regioselective C-H Functionalization.. ChemInform, 2005, 36, no.             | 0.1 | 0         |
| 112 | Convenient Preparation of trans- $\alpha$ -Arylalkenes via Palladium(II)-Catalyzed Isomerization of cis- $\alpha$ -Arylalkenes.. ChemInform, 2002, 33, 58-58. | 0.1 | 0         |
| 113 | Catalysis Using Sustainable Metals – Part I. Synlett, 2014, 25, 2715-2716.                                                                                    | 1.0 | 0         |
| 114 | Rapid Generation of Complex Molecular Architectures by a Catalytic Enantioselective Dearomatization Strategy. Synlett, 2015, 27, e2-e2.                       | 1.0 | 0         |