

# Josã© Marã-a Lassaletta

## List of Publications by Year in descending order

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132  
papers

6,382  
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61857

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171  
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docs citations

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4361  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Functional group directed C-H borylation. <i>Chemical Society Reviews</i> , 2014, 43, 3229-3243.   | 18.7 | 513       |
| 2  | Imidazo[1,5-a]pyridine: A Versatile Architecture for Stable N-Heterocyclic Carbenes. <i>Journal of the American Chemical Society</i> , 2005, 127, 3290-3291.                               | 6.6  | 310       |
| 3  | <i>C</i> <sub>2</sub> -Symmetric Bis-Hydrazones as Ligands in the Asymmetric Suzuki-Miyaura Cross-Coupling. <i>Journal of the American Chemical Society</i> , 2008, 130, 15798-15799.      | 6.6  | 207       |
| 4  | Atroposelective transformation of axially chiral (hetero)biaryls. From desymmetrization to modern resolution strategies. <i>Chemical Society Reviews</i> , 2021, 50, 2968-2983.            | 18.7 | 196       |
| 5  | Dynamic Kinetic Cross-Coupling Strategy for the Asymmetric Synthesis of Axially Chiral Heterobiaryls. <i>Journal of the American Chemical Society</i> , 2013, 135, 15730-15733.            | 6.6  | 185       |
| 6  | Aldehyde N,N-Dialkylhydrazones as Neutral Acyl Anion Equivalents: Umpolung of the Imine Reactivity. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 5629-5660.                  | 1.2  | 183       |
| 7  | Axially Chiral Triazoloisoquinolin-3-ylidene Ligands in Gold(I)-Catalyzed Asymmetric Intermolecular (4) Tj ETQq1 1 0.784314 rgBT /Overl<br>14322-14325.                                    | 6.6  | 182       |
| 8  | Use of Hemilabile N,N Ligands in Nitrogen-Directed Iridium-Catalyzed Borylations of Arenes. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11724-11728.                      | 7.2  | 163       |
| 9  | Hydrazone as the Directing Group for Ir-Catalyzed Arene Diborylations and Sequential Functionalizations. <i>Journal of the American Chemical Society</i> , 2012, 134, 4573-4576.           | 6.6  | 130       |
| 10 | Imidazo[1,5-a]pyridin-3-ylidene/Thioether Mixed C/S Ligands and Complexes Thereof. <i>Organometallics</i> , 2007, 26, 2570-2578.   | 1.1  | 128       |
| 11 | Ir-Catalyzed Atroposelective Desymmetrization of Heterobiaryls: Hydroarylation of Vinyl Ethers and Bicycloalkenes. <i>Journal of the American Chemical Society</i> , 2020, 142, 2628-2639. | 6.6  | 121       |
| 12 | Organocatalytic Conjugate Addition of Formaldehyde N,N-Dialkylhydrazones to $\alpha,\beta$ -Unsaturated $\alpha$ -Keto Esters. <i>Organic Letters</i> , 2007, 9, 3303-3306.                | 2.4  | 104       |
| 13 | Dynamic Kinetic Asymmetric Heck Reaction for the Simultaneous Generation of Central and Axial Chirality. <i>Journal of the American Chemical Society</i> , 2018, 140, 11067-11075.         | 6.6  | 98        |
| 14 | Organocatalytic Asymmetric Cyanosilylation of Nitroalkenes. <i>Chemistry - A European Journal</i> , 2010, 16, 7714-7718.   | 1.7  | 97        |
| 15 | A Dynamic Kinetic C-P Cross-Coupling for the Asymmetric Synthesis of Axially Chiral P,N Ligands. <i>ACS Catalysis</i> , 2016, 6, 3955-3964.  | 5.5  | 95        |
| 16 | Synthesis of IAN-type N,N-Ligands via Dynamic Kinetic Asymmetric Buchwald-Hartwig Amination. <i>Journal of the American Chemical Society</i> , 2016, 138, 12053-12056.                     | 6.6  | 95        |
| 17 | Simple and efficient conversion of N,N-dimethylhydrazones and aldehydes to nitriles.. <i>Tetrahedron Letters</i> , 1993, 34, 141-144.  | 0.7  | 92        |
| 18 | The Activation of Fibroblast Growth Factors by Heparin: Synthesis, Structure, and Biological Activity of Heparin-Like Oligosaccharides. <i>ChemBioChem</i> , 2001, 2, 673-685.             | 1.3  | 89        |

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|----|---|-----|-----------|
| 19 | Phosphino Hydrazones as Suitable Ligands in the Asymmetric Suzuki-Miyaura Cross-Coupling. <i>Journal of Organic Chemistry</i> , 2012, 77, 4740-4750.  | 1.7 | 88        |
| 20 | Asymmetric Synthesis of Axially Chiral C <sup>∞</sup> N Atropisomers. <i>Chemistry - A European Journal</i> , 2022, 28, .   | 1.7 | 87        |
| 21 | Asymmetric Formal Carbonyl-Ene Reactions of Formaldehyde <i>tert</i> -Butyl Hydrazone with $\alpha$ -Keto Esters: Dual Activation by Bis-urea Catalysts. <i>Journal of the American Chemical Society</i> , 2012, 134, 12912-12915.  | 6.6 | 81        |
| 22 | Enantioselective Synthesis of Vicinal Halohydrins via Dynamic Kinetic Resolution. <i>Organic Letters</i> , 2006, 8, 127-130.  | 2.4 | 78        |
| 23 | Dynamic Kinetic Resolution of Heterobiaryl Ketones by Zinc-Catalyzed Asymmetric Hydrosilylation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3777-3781.  | 7.2 | 77        |
| 24 | Isoquinolin-1-ylidenes as electronically tuneable ligands. <i>Chemical Communications</i> , 2007, , 1180-1182.  | 2.2 | 73        |
| 25 | Hydrazones as Singular Reagents in Asymmetric Organocatalysis. <i>Chemistry - A European Journal</i> , 2016, 22, 13430-13445.   | 1.7 | 70        |
| 26 | Synthesis, Structure, and Applications of N-Dialkylamino-N <sup>∞</sup> -alkylimidazol-2-ylidenes as a New Type of NHC Ligands. <i>Organometallics</i> , 2006, 25, 6039-6046.   | 1.1 | 65        |
| 27 | 1,3-Bis(N,N-dialkylamino)imidazolin-2-ylidenes: Synthesis and Reactivity of a New Family of Stable N-Heterocyclic Carbenes. <i>Journal of the American Chemical Society</i> , 2004, 126, 13242-13243.   | 6.6 | 63        |
| 28 | N,N-Dialkylhydrazones as the Imine Component in the Staudinger-Like [2+2] Cycloaddition to Benzyloxyketene We thank the Direcci3n General de Investigaci3n Cient4fica y T4cnica (grants BQU) Tj ETQq0 0 0 rgBT /Overlock 1 Ministerio de Educaci3n y Ciencia for a doctoral fellowship to A.F.. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 831. | 7.2 | 62        |
| 29 | Transfer Hydrogenation of $\alpha$ -Branched Ketimines: Enantioselective Synthesis of Cycloalkylamines via Dynamic Kinetic Resolution. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 1917-1920.  | 2.1 | 62        |
| 30 | Enantioselective Synthesis of 4-Unsubstituted 3-Alkoxy- and 3-Aminoazetidin-2-ones from Formaldehyde/N,N-Dialkylhydrazones. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2893-2897.   | 7.2 | 58        |
| 31 | Pyridine-Hydrazones as $\alpha$ -N <sup>∞</sup> , $\alpha$ -N <sup>∞</sup> -Ligands in Asymmetric Catalysis: Pd(II)-Catalyzed Addition of Boronic Acids to Cyclic Sulfonylketimines. <i>Organic Letters</i> , 2015, 17, 5104-5107.  | 2.4 | 58        |
| 32 | Total Synthesis of Sialylgalactosylgloboside: A Stage-Specific Embryonic Antigen 4. <i>Journal of Organic Chemistry</i> , 1996, 61, 6873-6880.  | 1.7 | 55        |
| 33 | Strongly Emissive and Photostable Four-Coordinate Organoboron N,C Chelates and Their Use in Fluorescence Microscopy. <i>Chemistry - A European Journal</i> , 2015, 21, 15369-15376.   | 1.7 | 54        |
| 34 | Enantioselective Nucleophilic Formylation and Cyanation of Conjugated Enones via Michael Addition of Formaldehyde SAMP-Hydrazone. <i>Journal of the American Chemical Society</i> , 1996, 118, 7002-7003.   | 6.6 | 51        |
| 35 | Formaldehyde Dialkylhydrazones as Neutral Formyl Anion and Cyanide Equivalents: Nucleophilic Addition to Conjugated Enones. <i>Journal of Organic Chemistry</i> , 1997, 62, 5144-5155.  | 1.7 | 51        |
| 36 | Stereoselective Synthesis of Trifluoromethylated Compounds: Nucleophilic Addition of Formaldehyde/N,N-Dialkylhydrazones to Trifluoromethyl Ketones. <i>Journal of Organic Chemistry</i> , 1999, 64, 8846-8854.  | 1.7 | 51        |

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|----|--|-----|-----------|
| 37 | A Practical Oxidative Method for the Cleavage of Hydrazide N-N Bonds. <i>Chemistry - A European Journal</i> , 2004, 10, 737-745.   | 1.7 | 51        |
| 38 | C2-Symmetric S/C/S ligands based on N-heterocyclic carbenes: a new ligand architecture for asymmetric catalysis. <i>Dalton Transactions</i> , 2009, , 8485.  | 1.6 | 51        |
| 39 | Synthesis and Characterization of Axially Chiral Imidazoisoquinolin-2-ylidene Silver and Gold Complexes. <i>Organometallics</i> , 2015, 34, 5073-5080.   | 1.1 | 50        |
| 40 | Studies on Stereoselective [2+2] Cycloadditions between N,N-Dialkylhydrazones and Ketenes. <i>Chemistry - A European Journal</i> , 2004, 10, 6111-6129.  | 1.7 | 49        |
| 41 | Gold(I)-Catalyzed Enantioselective [2+2+2] Cycloadditions: An Expedient Entry to Enantioenriched Tetrahydropyran Scaffolds. <i>ACS Catalysis</i> , 2017, 7, 2397-2402.   | 5.5 | 48        |
| 42 | Formaldehyde SAMP-Hydrazone as a Neutral Chiral Formyl Anion and Cyanide Equivalent: Asymmetric Michael Additions to Nitroalkenes. <i>Synthesis</i> , 1996, 1996, 48-52.   | 1.2 | 47        |
| 43 | Asymmetric Synthesis of trans-3-Amino-4-alkylazetid-2-ones from Chiral N,N-Dialkylhydrazones. <i>Organic Letters</i> , 2004, 6, 2749-2752.   | 2.4 | 45        |
| 44 | Synthesis of axially chiral heterobiaryl alkynes via dynamic kinetic asymmetric alkynylation. <i>Chemical Communications</i> , 2016, 52, 14121-14124.  | 2.2 | 45        |
| 45 | Stereoselective synthesis of syn- $\beta$ -hydroxy cycloalkane carboxylates: transfer hydrogenation of cyclic $\beta$ -keto esters via dynamic kinetic resolution. <i>Tetrahedron</i> , 2007, 63, 7532-7537.                 | 1.0 | 44        |
| 46 | Cleavage and Oligomerization of Malondialdehyde. <i>Tetrahedron</i> , 1993, 49, 1237-1250.   | 1.0 | 43        |
| 47 | A New Route to L-Iduronate Building-blocks for the Synthesis of Heparin-like Oligosaccharides. <i>Synlett</i> , 1999, 1999, 1316-1318.   | 1.0 | 43        |
| 48 | Michael addition of formaldehyde dimethylhydrazone to nitroolefins. A new formyl anion equivalent. <i>Tetrahedron Letters</i> , 1992, 33, 3691-3694.   | 0.7 | 42        |
| 49 | Enantioselective synthesis of cis- $\beta$ -substituted cycloalkanols and trans-cycloalkyl amines thereof. <i>Tetrahedron</i> , 2007, 63, 6755-6763.   | 1.0 | 41        |
| 50 | Synthesis of Enantiopure $\beta$ -Alkoxy- $\beta$ -Trifluoromethyl Aldehydes and Carboxylic Acids from Trifluoromethyl Ketones. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 3428-3430.                      | 7.2 | 40        |
| 51 | Stereoselective Synthesis of Rhodium(I) 4-(Dialkylamino)triazol-5-ylidene Complexes. <i>Organometallics</i> , 2008, 27, 4555-4564.   | 1.1 | 40        |
| 52 | Organic Fluorescent Thermometers Based on Borylated Arylisoquinoline Dyes. <i>Chemistry - A European Journal</i> , 2014, 20, 7638-7645.  | 1.7 | 40        |
| 53 | Electrophilic and Nucleophilic Reactivities of the Azomethine Carbon of SAMP-Hydrazones: $\beta$ -Stereoselective Synthesis of $\beta$ -Amino Ketone Derivatives. <i>Journal of Organic Chemistry</i> , 1999, 64, 6329-6336. | 1.7 | 39        |
| 54 | Chirality and catalysis with aromatic N-fused heterobicyclic carbenes. <i>Dalton Transactions</i> , 2016, 45, 10113-10117.   | 1.6 | 39        |

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|----|---|-----|-----------|
| 55 | Enantio- and Diastereoselective Nucleophilic Addition of <i>N</i> -tert-Butylhydrazones to Isoquinolinium Ions through Anion-Binding Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 5096-5101. | 7.2 | 37        |
| 56 | Pinacolborane as the Boron Source in Nitrogen-Directed Borylations of Aromatic <i>N,N</i> -Dimethylhydrazones. <i>Journal of Organic Chemistry</i> , 2012, 77, 9915-9920.   | 1.7 | 36        |
| 57 | Dual Organocatalytic Activation of Isatins and Formaldehyde <i>N</i> -tert-Butyl Hydrazone: Asymmetric Synthesis of Functionalized 3-Hydroxy-oxindoles. <i>Chemistry - A European Journal</i> , 2013, 19, 8421-8425.    | 1.7 | 35        |
| 58 | Red-Emitting Tetracoordinate Organoboron Chelates: Synthesis, Photophysical Properties, and Fluorescence Microscopy. <i>Journal of Organic Chemistry</i> , 2016, 81, 9605-9611.   | 1.7 | 35        |
| 59 | Direct synthesis of dithioketals from <i>N,N</i> -dialkylhydrazones. <i>Tetrahedron Letters</i> , 1998, 39, 7955-7958.  | 0.7 | 33        |
| 60 | Enantioselective Conjugate Addition of <i>N,N</i> -Dialkylhydrazones to $\alpha$ -Hydroxy Enones. <i>Organic Letters</i> , 2007, 9, 2867-2870.  | 2.4 | 33        |
| 61 | Spotting trends in organocatalysis for the next decade. <i>Nature Communications</i> , 2020, 11, 3787.  | 5.8 | 33        |
| 62 | Phthalazin-2-ylidenes As Cyclic Amino Aryl Carbene Ligands in Rhodium(I) and Iridium(I) Complexes. <i>Organometallics</i> , 2010, 29, 5941-5945.  | 1.1 | 32        |
| 63 | Glyoxal bis-hydrazones: a new family of nitrogen ligands for asymmetric catalysis. <i>Chemical Communications</i> , 2004, , 298-299.  | 2.2 | 31        |
| 64 | Synthesis, structure and electronic properties of <i>N</i> -dialkylamino- and <i>N</i> -alkoxy-1,2,4-triazol-3-ylidene ligands. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 5979-5988.                      | 0.8 | 31        |
| 65 | A Broadened Scope for the Use of Hydrazones as Neutral Nucleophiles in the Presence of H-Bonding Organocatalysts. <i>Synlett</i> , 2006, 2006, 239-242.   | 1.0 | 31        |
| 66 | Chiral, Sterically Demanding <i>N</i> -Heterocyclic Carbenes Fused into a Heterobiaryl Skeleton: Design, Synthesis, and Structural Analysis. <i>Organometallics</i> , 2015, 34, 1328-1338.                              | 1.1 | 31        |
| 67 | Stereospecific addition of formaldehyde dialkylhydrazones to sugar aldehydes. Synthesis of cyanohydrins and $\alpha$ -hydroxy aldehydes. <i>Tetrahedron Letters</i> , 1996, 37, 5787-5790.                              | 0.7 | 30        |
| 68 | Versatile approach to the synthesis of globoside glycosphingolipids synthesis of sialyl-galactosyl-globoside. <i>Tetrahedron Letters</i> , 1995, 36, 4209-4212.   | 0.7 | 29        |
| 69 | Stereoselective Nucleophilic Formylation and Cyanation of $\alpha$ -Alkoxy- and $\alpha$ -Aminoaldehydes. <i>Journal of Organic Chemistry</i> , 2001, 66, 5201-5207.  | 1.7 | 29        |
| 70 | Formaldehyde dimethylhydrazone: A new neutral reagent for nucleophilic hydroformylation and hydrocyanation. <i>Tetrahedron</i> , 1996, 52, 9143-9160.   | 1.0 | 27        |
| 71 | Preparation and pH-Switching of Fluorescent Borylated Arylisoquinolines for Multilevel Molecular Logic. <i>Journal of Organic Chemistry</i> , 2013, 78, 7949-7961.  | 1.7 | 26        |
| 72 | Asymmetric organocatalytic synthesis of quaternary $\alpha$ -hydroxy phosphonates: en route to $\alpha$ -aryl phosphaisoserines. <i>Chemical Communications</i> , 2015, 51, 4077-4080.                                  | 2.2 | 26        |

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|----|---|-----|-----------|
| 73 | Au <sup>I</sup> -Catalyzed Hydroalkynylation of Haloalkynes. <i>Journal of the American Chemical Society</i> , 2020, 142, 16082-16089.  | 6.6 | 26        |
| 74 | Silyl Group Migration in 1-O-Silyl Protected Sugars-Convenient Synthesis of 2-O-Unprotected Sugars. <i>Journal of Carbohydrate Chemistry</i> , 1996, 15, 241-254.                                       | 0.4 | 25        |
| 75 | 1,2-O-Silyl Group Rearrangements in Carbohydrates - Convenient Synthesis of Important Lactose Building Blocks. <i>Synlett</i> , 1995, 1995, 925-927.  | 1.0 | 24        |
| 76 | Atroposelective Transfer Hydrogenation of Biaryl Aminals via Dynamic Kinetic Resolution. Synthesis of Axially Chiral Diamines. <i>ACS Catalysis</i> , 2021, 11, 4117-4124.                              | 5.5 | 24        |
| 77 | New pentahydroxypentylpyrazoles from the reactions of d-mannose and d-galactose methylhydrazones with nitroalkenes. <i>Carbohydrate Research</i> , 1989, 189, 349-358.                                  | 1.1 | 22        |
| 78 | Asymmetric synthesis of functionalized nitrocompounds through Michael addition of formaldehyde SAMP hydrazone to nitroolefins. <i>Tetrahedron Letters</i> , 1994, 35, 471-472.                          | 0.7 | 22        |
| 79 | Synthesis of $\pm$ -Hydroxyhydrazones from Aldehydes. <i>Synlett</i> , 2001, 2001, 1158-1160.   | 1.0 | 22        |
| 80 | Asymmetric Michael addition of formaldehyde N,N-dialkylhydrazones to alkylidene malonates. <i>Chemical Communications</i> , 2002, , 498.  | 2.2 | 22        |
| 81 | Dynamic Kinetic Resolution of Heterobiaryl Ketones by Zinc-Catalyzed Asymmetric Hydrosilylation. <i>Angewandte Chemie</i> , 2018, 130, 3839-3843.   | 1.6 | 22        |
| 82 | Au <sup>I</sup> -Catalyzed Haloalkynylation of Alkenes. <i>Chemistry - A European Journal</i> , 2020, 26, 629-633.  | 1.7 | 22        |
| 83 | Synthesis, structure and properties of [1,2,4]triazolo[4,3-a]pyridin-3-ylidene rhodium and palladium complexes. <i>Dalton Transactions</i> , 2009, , 7113.  | 1.6 | 21        |
| 84 | Synthesis of enantioenriched azo compounds: organocatalytic Michael addition of formaldehyde N-tert-butyl hydrazone to nitroalkenes. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 326-335.     | 1.5 | 20        |
| 85 | Bifunctional Squaramide Organocatalysts for the Asymmetric Addition of Formaldehyde <i>tert</i> -Butylhydrazone to Simple Aldehydes. <i>Chemistry - A European Journal</i> , 2018, 24, 6854-6860.       | 1.7 | 19        |
| 86 | Michael addition of chiral formaldehyde N,N-dialkylhydrazones to activated cyclic alkenes. <i>Tetrahedron</i> , 2005, 61, 4115-4128.  | 1.0 | 18        |
| 87 | Glycosyl Imidates, 75. Synthesis of the Hexasaccharide Moiety of Globo H (Human Breast Cancer) Antigen. <i>Liebigs Annalen</i> , 1996, 1996, 1417-1423.   | 0.8 | 18        |
| 88 | Stereoselective, Temperature-Dependent [2+2] Cycloaddition of N,N-Dialkylhydrazones to N-Benzyl-N-(benzyloxycarbonyl)aminoketene. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2960-2972. | 1.2 | 18        |
| 89 | Uncatalyzed Strecker-Type Reaction of N,N-Dialkylhydrazones in Pure Water. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3457-3460.  | 1.2 | 18        |
| 90 | Asymmetric Synthesis of Succinic Semialdehyde Derivatives. <i>Journal of Organic Chemistry</i> , 2003, 68, 2698-2703.   | 1.7 | 17        |

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|-----|--|-----|-----------|
| 91  | On Water-Nucleophilic Addition of Formaldehyde <i>N,N</i> -Dialkylhydrazones to $\alpha$ -Keto Esters. <i>Chemistry - an Asian Journal</i> , 2011, 6, 2287-2290.   | 1.7 | 17        |
| 92  | Borylated Arylisoquinolines: Photophysical Properties and Switching Behavior of Promising Tunable Fluorophores. <i>Chemistry - A European Journal</i> , 2013, 19, 6650-6661.   | 1.7 | 17        |
| 93  | Diastereoselective Synthesis of Branched-Chain Cyanonitrosugar Derivatives by Michael Addition/MMPP Oxidation Using Formaldehyde SAMP- and RAMP-Hydrazones as New Chiral Cyanide Equivalents. <i>Synthesis</i> , 1996, 1996, 627-632.  | 1.2 | 16        |
| 94  | Formaldehyde <i>tert</i> -butyl hydrazone as a formyl anion equivalent: asymmetric addition to carbonyl compounds. <i>Chemical Communications</i> , 2020, 56, 9256-9267.   | 2.2 | 16        |
| 95  | Pyridine-hydrazone ligands in enantioselective palladium-catalyzed Suzuki-Miyaura cross-couplings. <i>Tetrahedron</i> , 2016, 72, 5184-5190.   | 1.0 | 15        |
| 96  | Asymmetric Organocatalytic Synthesis of Fluorinated $\alpha$ -Hydroxy Diazenes. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 130-138.  | 1.2 | 15        |
| 97  | Pyridine-Hydrazone Ligands in Asymmetric Palladium-Catalyzed 1,4- and 1,6-Additions of Arylboronic Acids to Cyclic (Di)enones. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 176-184.   | 2.1 | 15        |
| 98  | Regio- and Enantioselective Allylation of Phenols via Decarboxylative Allylic Etherification of Allyl Aryl Carbonates Catalyzed by (Cyclopentadienyl)ruthenium(II) Complexes and Pyridine-Hydrazone Ligands. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3325-3331. | 2.1 | 13        |
| 99  | Solvent-free synthesis of quaternary $\alpha$ -hydroxy $\alpha$ -trifluoromethyl diazenes: the key step of a nucleophilic formylation strategy. <i>Green Chemistry</i> , 2016, 18, 4042-4050.  | 4.6 | 13        |
| 100 | 1-Methyl(or phenyl)-5-(penta-O-acetyl-d-galacto-pentitol-1-yl)pyrazoles from the reactions of 3,4,5,6,7-penta-O-acetyl-1,2-dideoxy-1-nitro-d-galacto-hept-1-enitol with aldehyde methyl(or) Tj ETQq0 0 0 rgBT /Overlock 101f 50 377  |     |           |
| 101 | Asymmetric synthesis of $\beta$ -cyano silyl enol ethers. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 1145-1151.   | 1.8 | 12        |
| 102 | Asymmetric organocatalytic Strecker-type reactions of aliphatic <i>N,N</i> -dialkylhydrazones. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 8247.   | 1.5 | 12        |
| 103 | Asymmetric organocatalytic synthesis of tertiary azomethyl alcohols: key intermediates towards azoxy compounds and $\alpha$ -hydroxy- $\beta$ -amino esters. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2993-3005.  | 1.5 | 12        |
| 104 | <i>N</i> -Heterocyclic cationic carbene ligands. <i>Synthesis, reactivity and coordination chemistry. Dalton Transactions</i> , 2018, 47, 5196-5206.   | 1.6 | 12        |
| 105 | Aza-Michael addition of chiral hydrazines to alkylidene malonates. <i>Tetrahedron</i> , 2005, 61, 4609-4613.   | 1.0 | 11        |
| 106 | Experimental and theoretical studies on the asymmetric cyanosilylation of <i>C</i> <sub>2</sub> -symmetric hydrazones. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 998-1004.   | 1.8 | 11        |
| 107 | Enantio- and Diastereoselective Nucleophilic Addition of <i>N</i> - <i>tert</i> -Butylhydrazones to Isoquinolinium Ions through Anion-Binding Catalysis. <i>Angewandte Chemie</i> , 2021, 133, 5156-5161.  | 1.6 | 11        |
| 108 | Asymmetric synthesis of dibenzo[ <i>b,d</i> ]azepines by Cu-catalyzed reductive or borylative cyclization. <i>Chemical Science</i> , 2021, 12, 15291-15297.  | 3.7 | 11        |

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|-----|---|-----|-----------|
| 109 | Pd-Catalyzed Dynamic Kinetic Asymmetric Cross-Coupling of Heterobiaryl Bromides with <i>N</i> -Tosylhydrazones. <i>Organic Letters</i> , 2022, 24, 3812-3816.   | 2.4 | 11        |
| 110 | Cyclodehydration of 3-(d-manno-pentitol-1-yl)pyrazoles: Synthesis of 3-(d-arabinofuranosyl)pyrazoles. <i>Carbohydrate Research</i> , 1990, 201, 233-240.  | 1.1 | 10        |
| 111 | Preparation of chitosan-supported urea materials and their application in some organocatalytic procedures. <i>Carbohydrate Polymers</i> , 2018, 199, 365-374.   | 5.1 | 10        |
| 112 | Stereoselective synthesis of cationic heterobidentate C(NHC)/SR rhodium(I) complexes using stereodirecting N,N-dialkylamino groups. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1557-1562.                                      | 1.8 | 9         |
| 113 | 5- and 4-(d-lyxofuranosyl)pyrazoles: a new type of pyrazole C-nucleoside. <i>Carbohydrate Research</i> , 1993, 239, 279-284.  | 1.1 | 6         |
| 114 | Synthesis of 3-(d-lyxofuranosyl)pyrazoles by trifluoroacetic acid-catalysed cyclodehydration of 3-(d-galacto-pentitol-1-yl)pyrazoles. <i>Carbohydrate Research</i> , 1991, 211, 287-294.                                      | 1.1 | 4         |
| 115 | Spectroscopic and X-ray crystallographic studies of the potassium salt of hexameric malondialdehyde. <i>Tetrahedron Letters</i> , 1992, 33, 1361-1364.  | 0.7 | 4         |
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