

Anita R Maguire

List of Publications by Year in descending order

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186
papers

6,859
citations

87723

38
h-index

74018

75
g-index

221
all docs

221
docs citations

221
times ranked

7512
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Modern Organic Synthesis with α -Diazocarbonyl Compounds. <i>Chemical Reviews</i> , 2015, 115, 9981-10080. | 23.0 | 1,229 |
| 2 | Phytosterol, Squalene, Tocopherol Content and Fatty Acid Profile of Selected Seeds, Grains, and Legumes. <i>Plant Foods for Human Nutrition</i> , 2007, 62, 85-91. | 1.4 | 427 |
| 3 | Asymmetric 1,3-dipolar cycloadditions of acrylamides. <i>Chemical Society Reviews</i> , 2010, 39, 845-883. | 18.7 | 253 |
| 4 | Bioactivities of Glycoalkaloids and Their Aglycones from <i>Solanum</i> Species. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 3454-3484. | 2.4 | 227 |
| 5 | Confab - Systematic generation of diverse low-energy conformers. <i>Journal of Cheminformatics</i> , 2011, 3, 8. | 2.8 | 211 |
| 6 | Fatty acid profile, tocopherol, squalene and phytosterol content of brazil, pecan, pine, pistachio and cashew nuts. <i>International Journal of Food Sciences and Nutrition</i> , 2006, 57, 219-228. | 1.3 | 202 |
| 7 | Taming Hazardous Chemistry in Flow: The Continuous Processing of Diazo and Diazonium Compounds. <i>Chemistry - A European Journal</i> , 2015, 21, 2298-2308. | 1.7 | 163 |
| 8 | Asymmetric synthesis in carbon-carbon bond forming reactions of α -diazoketones catalysed by homochiral rhodium(II) carboxylates. <i>Journal of the Chemical Society Chemical Communications</i> , 1990, , 361-362. | 2.0 | 143 |
| 9 | Catalytic asymmetric C-H insertion reactions of α -diazocarbonyl compounds. <i>Tetrahedron</i> , 2010, 66, 6681-6705. | 1.0 | 120 |
| 10 | Qualitative and quantitative comparison of the cytotoxic and apoptotic potential of phytosterol oxidation products with their corresponding cholesterol oxidation products. <i>British Journal of Nutrition</i> , 2005, 94, 443-451. | 1.2 | 111 |
| 11 | Cocrystals of Fenamic Acids with Nicotinamide. <i>Crystal Growth and Design</i> , 2011, 11, 3522-3528. | 1.4 | 100 |
| 12 | The norcaradiene-cycloheptatriene equilibrium. <i>Tetrahedron</i> , 2011, 67, 9-40. | 1.0 | 100 |
| 13 | Biocatalytic Approaches to the Henry (Nitroaldol) Reaction. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 3059-3067. | 1.2 | 100 |
| 14 | Synthetic approaches to bicyclo[5.3.0]decane sesquiterpenes. <i>Tetrahedron</i> , 2010, 66, 1131-1175. | 1.0 | 97 |
| 15 | Comparison of the cytotoxic effects of Δ^2 -sitosterol oxides and a cholesterol oxide, Δ^2 -hydroxycholesterol, in cultured mammalian cells. <i>British Journal of Nutrition</i> , 2003, 90, 767-775. | 1.2 | 91 |
| 16 | Cocrystallization of Nutraceuticals. <i>Crystal Growth and Design</i> , 2015, 15, 984-1009. | 1.4 | 87 |
| 17 | Highly Enantioselective Intramolecular Copper Catalyzed C-H Insertion Reactions of α -Diazosulfones. <i>Journal of the American Chemical Society</i> , 2010, 132, 1184-1185. | 6.6 | 75 |
| 18 | ReactNMR and ReactIR as Reaction Monitoring and Mechanistic Elucidation Tools: The NCS Mediated Cascade Reaction of α -Thioamides to α -Thio- β -chloroacrylamides. <i>Journal of Organic Chemistry</i> , 2011, 76, 9630-9640. | 1.7 | 64 |

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|----|---|-----|-----------|
| 19 | Copper-Catalyzed Asymmetric Oxidation of Sulfides. <i>Journal of Organic Chemistry</i> , 2012, 77, 3288-3296. | 1.7 | 64 |
| 20 | Anti-inflammatory properties of potato glycoalkaloids in stimulated Jurkat and Raw 264.7 mouse macrophages. <i>Life Sciences</i> , 2013, 92, 775-782. | 2.0 | 61 |
| 21 | The intramolecular Buchner reaction of aryl diazoketones. Substituent effects and scope in synthesis. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1990, , 1047. | 0.9 | 58 |
| 22 | Asymmetric oxidation of sulfides. <i>Journal of Sulfur Chemistry</i> , 2013, 34, 301-341. | 1.0 | 58 |
| 23 | Selective manganese-mediated transformations using the combination:. <i>Tetrahedron Letters</i> , 1997, 38, 2339-2342. | 0.7 | 55 |
| 24 | Phytosterol Oxidation Products: Their Formation, Occurrence, and Biological Effects. <i>Food Reviews International</i> , 2009, 25, 157-174. | 4.3 | 55 |
| 25 | Enantioselective synthesis of non-natural amino acids using phenylalanine dehydrogenases modified by site-directed mutagenesis. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 2684. | 1.5 | 54 |
| 26 | Synthesis and evaluation of novel ellipticines as potential anti-cancer agents. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1334. | 1.5 | 54 |
| 27 | Synthesis, isolation and characterisation of $\hat{1}^2$ -sitosterol and $\hat{1}^2$ -sitosterol oxide derivatives. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 3059. | 1.5 | 50 |
| 28 | Enantioselective Synthesis of Sulindac. <i>Synlett</i> , 2001, 2001, 0041-0044. | 1.0 | 49 |
| 29 | A novel CyclinE/CyclinA-CDK Inhibitor targets p27Kip1 degradation, cell cycle progression and cell survival: Implications in cancer therapy. <i>Cancer Letters</i> , 2013, 333, 103-112. | 3.2 | 46 |
| 30 | Dynamic Equilibria in the Products of Intramolecular Buchner Additions of Diazoketones to Aryl Rings Bearing Methoxy Substituents. <i>Journal of Organic Chemistry</i> , 2001, 66, 7166-7177. | 1.7 | 45 |
| 31 | Expanding the crystal landscape of isonicotinamide: concomitant polymorphism and co-crystallisation. <i>CrystEngComm</i> , 2011, 13, 6923. | 1.3 | 45 |
| 32 | Synthetic approaches towards nucleocidin and selected analogues; anti-HIV activity in 4 \hat{a} ² -fluorinated nucleoside derivatives. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1993, , 1795-1808. | 0.9 | 44 |
| 33 | Selective Release of DNA from the Surface of Indium \hat{a} Tin Oxide Thin Electrode Films Using Thiol \hat{a} Disulfide Exchange Chemistry. <i>Analytical Chemistry</i> , 2007, 79, 2050-2057. | 3.2 | 43 |
| 34 | Synthesis of indomethacin analogues for evaluation as modulators of MRP activity. <i>Bioorganic and Medicinal Chemistry</i> , 2001, 9, 745-762. | 1.4 | 42 |
| 35 | Total Synthesis and Biological Evaluation of Grassyseptolide \hat{a} ...A. <i>Chemistry - A European Journal</i> , 2013, 19, 6774-6784. | 1.7 | 41 |
| 36 | Design and Synthesis of Ternary Cocrystals Using Carboxyphenols and Two Complementary Acceptor Compounds. <i>Crystal Growth and Design</i> , 2016, 16, 59-69. | 1.4 | 40 |

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|----|--|-----|-----------|
| 37 | Taming tosyl azide: the development of a scalable continuous diazo transfer process. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 3423-3431. | 1.5 | 40 |
| 38 | Recent trends in whole cell and isolated enzymes in enantioselective synthesis. <i>Arkivoc</i> , 2012, 2012, 321-382. | 0.3 | 40 |
| 39 | Novel co-crystals of the nutraceutical sinapic acid. <i>CrystEngComm</i> , 2015, 17, 4832-4841. | 1.3 | 39 |
| 40 | Conformational States of HIV-1 Reverse Transcriptase for Nucleotide Incorporation vs Pyrophosphorolysisâ€”Binding of Foscarnet. <i>ACS Chemical Biology</i> , 2016, 11, 2158-2164. | 1.6 | 38 |
| 41 | Characterisation, solubility and intrinsic dissolution behaviour of benzamide: dibenzyl sulfoxide cocrystal. <i>International Journal of Pharmaceutics</i> , 2012, 422, 24-32. | 2.6 | 36 |
| 42 | Cytotoxic and Apoptotic Effects of the Oxidized Derivatives of Stigmasterol in the U937 Human Monocytic Cell Line. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 10793-10798. | 2.4 | 35 |
| 43 | Asymmetric Synthesis of Aryl Benzyl Sulfoxides by Vanadium-Catalysed Oxidation: A Combination of Enantioselective Sulfide Oxidation and Kinetic Resolution in Sulfoxide Oxidation. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 4500-4509. | 1.2 | 33 |
| 44 | Evaluation of the Bruker SMART X2S: crystallography for the nonspecialist?. <i>Journal of Applied Crystallography</i> , 2011, 44, 213-215. | 1.9 | 33 |
| 45 | Stereocontrol in the intramolecular Buchner reaction of diazoketones. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 4077-4092. | 0.9 | 32 |
| 46 | Synthesis and Characterization of Stigmasterol Oxidation Products. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 1165-1173. | 2.4 | 32 |
| 47 | Synthetic and mechanistic aspects of sulfonyl migrations. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2549-2610. | 1.5 | 32 |
| 48 | Design and Synthesis of $\hat{\pm}$ -Carboxy Phosphononucleosides. <i>Journal of Organic Chemistry</i> , 2011, 76, 105-126. | 1.7 | 30 |
| 49 | Copper-Mediated, Heterogeneous, Enantioselective Intramolecular Buchner Reactions of $\hat{\pm}$ -Diazoketones Using Continuous Flow Processing. <i>Journal of Organic Chemistry</i> , 2018, 83, 3794-3805. | 1.7 | 30 |
| 50 | Phenylalanine dehydrogenase mutants: Efficient biocatalysts for synthesis of non-natural phenylalanine derivatives. <i>Journal of Biotechnology</i> , 2007, 128, 408-411. | 1.9 | 29 |
| 51 | Asymmetric copper-catalysed intramolecular C $\hat{\pm}$ H insertion reactions of $\hat{\pm}$ -diazo- $\hat{2}$ -keto sulfones. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 667-669. | 1.5 | 29 |
| 52 | Lipase catalysed kinetic resolutions of 3-aryl alkanolic acids. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 47-61. | 1.8 | 29 |
| 53 | Investigation of steric and electronic effects in the copper-catalysed asymmetric oxidation of sulfides. <i>Tetrahedron</i> , 2013, 69, 10168-10184. | 1.0 | 29 |
| 54 | Alpha-carboxy nucleoside phosphonates as universal nucleoside triphosphate mimics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3475-3480. | 3.3 | 29 |

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|----|--|-----|-----------|
| 55 | Crystal Landscape of Primary Aromatic Thioamides. <i>Crystal Growth and Design</i> , 2014, 14, 2753-2762. | 1.4 | 28 |
| 56 | Investigating C ^{δ+} ⋯S ^{δ-} ⋯I Halogen Bonding for Cocrystallization with Primary Thioamides. <i>Crystal Growth and Design</i> , 2015, 15, 3442-3451. | 1.4 | 27 |
| 57 | Symmetry assisted tuning of bending and brittle multi-component forms of probenecid. <i>Chemical Communications</i> , 2017, 53, 3381-3384. | 2.2 | 27 |
| 58 | 1,3-Dipolar cycloadditions of 2-thio-3-chloroacrylamides with diazoalkanes. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2735. | 1.5 | 26 |
| 59 | Understanding the <i>p</i> -Toluenesulfonamide/Triphenylphosphine Oxide Crystal Chemistry: A New 1:1 Cocrystal and Ternary Phase Diagram. <i>Crystal Growth and Design</i> , 2012, 12, 869-875. | 1.4 | 26 |
| 60 | Total synthesis of padanamides A and B. <i>Chemical Communications</i> , 2013, 49, 2977. | 2.2 | 26 |
| 61 | Sulfoxides: Potent Co-Crystal Formers. <i>Crystal Growth and Design</i> , 2010, 10, 4243-4245. | 1.4 | 25 |
| 62 | A Practical Synthesis of Biaryls via a Thermal Decarboxylative Pd-Catalyzed Cross-Coupling Reaction Operating at Moderate Temperature. <i>Organic Process Research and Development</i> , 2011, 15, 981-985. | 1.3 | 25 |
| 63 | Utilizing Sulfoxide⋯Iodine Halogen Bonding for Cocrystallization. <i>Crystal Growth and Design</i> , 2012, 12, 2969-2977. | 1.4 | 25 |
| 64 | Enantioselective copper catalysed C ^{δ+} -H insertion reaction of 2-sulfonyl-2-diazoacetamides to form β-lactams. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 7612-7628. | 1.5 | 25 |
| 65 | The Impact of Recent Developments in Technologies which Enable the Increased Use of Biocatalysts. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 3713-3734. | 1.2 | 25 |
| 66 | The intramolecular Buchner reaction of aryl diazoketones. Synthesis and X-ray crystal structures of some polyfunctional hydroazulene lactones. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1990, , 1055. | 0.9 | 24 |
| 67 | Excellent stereocontrol in intramolecular Buchner cyclisations and subsequent cycloadditions; stereospecific construction of polycyclic systems. <i>Chemical Communications</i> , 1996, , 2595. | 2.2 | 24 |
| 68 | Investigation of the synthetic and mechanistic aspects of the highly stereoselective transformation of 1 [±] -thioamides to 1 [±] -thio-2-chloroacrylamides. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 1228-1241. | 1.5 | 24 |
| 69 | Cocrystals and a Salt of the Bioactive Flavonoid: Naringenin. <i>Crystal Growth and Design</i> , 2018, 18, 4571-4577. | 1.4 | 23 |
| 70 | Asymmetric Synthesis of <i>cis</i> -7-Methoxycalamenene via the Intramolecular Buchner Reaction of an 1 [±] -Diazoketone. <i>Journal of Organic Chemistry</i> , 2012, 77, 2035-2040. | 1.7 | 22 |
| 71 | Catalyst and substituent effects on the rhodium(II)-catalysed intramolecular Buchner reaction. <i>Tetrahedron</i> , 2014, 70, 6870-6878. | 1.0 | 22 |
| 72 | The influence of reaction conditions on the Diels-Alder cycloadditions of 2-thio-3-chloroacrylamides; investigation of thermal, catalytic and microwave conditions. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 5602. | 1.5 | 21 |

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|----|--|-----|-----------|
| 73 | Design and Synthesis of $\hat{\pm}$ -Carboxy Nucleoside Phosphonate Analogues and Evaluation as HIV-1 Reverse Transcriptase-Targeting Agents. <i>Journal of Organic Chemistry</i> , 2015, 80, 2479-2493. | 1.7 | 21 |
| 74 | Exploiting the Continuous in situ Generation of Mesyl Azide for Use in a Telescoped Process. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6533-6539. | 1.2 | 21 |
| 75 | Synthesis and assessment of the relative toxicity of the oxidised derivatives of campesterol and dihydrobrassicasterol in U937 and HepG2 cells. <i>Biochimie</i> , 2013, 95, 496-503. | 1.3 | 20 |
| 76 | Substrate and catalyst effects in C $\hat{\pm}$ -H insertion reactions of $\hat{\pm}$ -diazoacetamides. <i>Tetrahedron Letters</i> , 2016, 57, 5399-5406. | 0.7 | 20 |
| 77 | Generation, Reactivity and Uses of Sulfines in Organic Synthesis. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1630-1650. | 1.2 | 20 |
| 78 | Rhodium catalysed decomposition of $\hat{\pm}$ -diazosulfoxides: Formation of $\hat{\pm}$ -oxo sulfines as intermediates. <i>Tetrahedron Letters</i> , 1998, 39, 3849-3852. | 0.7 | 19 |
| 79 | Catalyst, additive and counterion effects on the efficiency and enantioselectivity of copper-catalysed C $\hat{\pm}$ -H insertion reactions of $\hat{\pm}$ -diazosulfones. <i>Tetrahedron</i> , 2013, 69, 1297-1301. | 1.0 | 19 |
| 80 | A study of the norcaradiene $\hat{\pm}$ -cycloheptatriene equilibrium in a series of azulenes by NMR spectroscopy; the impact of substitution on the position of equilibrium. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 11026-11038. | 1.5 | 19 |
| 81 | Synthesis of $\hat{\pm}$ -diazo- $\hat{\pm}$ -oxo sulfoxides. <i>Tetrahedron Letters</i> , 1998, 39, 2819-2822. | 0.7 | 18 |
| 82 | Synthesis of aryl benzyl NH-sulfoximines. <i>Tetrahedron</i> , 2009, 65, 10660-10670. | 1.0 | 18 |
| 83 | Expanded scope of heterocyclic biaryl synthesis via a palladium-catalysed thermal decarboxylative cross-coupling reaction. <i>Tetrahedron Letters</i> , 2012, 53, 403-405. | 0.7 | 18 |
| 84 | Single step stereospecific transformation of 2-phenylthio secondary amides into (Z)-3-chloro-2-phenylthio acrylamides. <i>Tetrahedron Letters</i> , 1995, 36, 467-470. | 0.7 | 17 |
| 85 | Dynamic kinetic resolution in the baker's yeast mediated reduction of 2-Benzenesulfonylcycloalkanones. <i>Tetrahedron Letters</i> , 1999, 40, 9285-9288. | 0.7 | 17 |
| 86 | Matrix Isolation and Photochemistry of $\hat{\pm}$ -Diazo Sulfoxides: Formation of $\hat{\pm}$ -Oxo Sulfine as an Intermediate. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 3329-3335. | 1.2 | 17 |
| 87 | New methods for the synthesis of N-benzoylated uridine and thymidine derivatives; a convenient method for N-debenzoylation. <i>Carbohydrate Research</i> , 2002, 337, 369-372. | 1.1 | 17 |
| 88 | The Use of Co-crystals for the Determination of Absolute Stereochemistry: An Alternative to Salt Formation. <i>Journal of Organic Chemistry</i> , 2011, 76, 1159-1162. | 1.7 | 17 |
| 89 | Copper-catalysed enantioselective intramolecular C $\hat{\pm}$ -H insertion reactions of $\hat{\pm}$ -diazo- $\hat{\pm}$ -keto esters and $\hat{\pm}$ -diazo- $\hat{\pm}$ -keto phosphonates. <i>Tetrahedron Letters</i> , 2013, 54, 2799-2801. | 0.7 | 17 |
| 90 | Exploring the role of the $\hat{\pm}$ -carboxyphosphonate moiety in the HIV-RT activity of $\hat{\pm}$ -carboxy nucleoside phosphonates. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2454-2465. | 1.5 | 17 |

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|-----|--|-----|-----------|
| 91 | Investigation of the reaction of α -thioamides, α -esters and α -nitriles with N-halosuccinimides. <i>Tetrahedron</i> , 2008, 64, 7639-7649. | 1.0 | 16 |
| 92 | Engineered dehydrogenase biocatalysts for non-natural amino acids: efficient isolation of the d-enantiomer from racemic mixtures. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 3611. | 1.5 | 16 |
| 93 | Does intermolecular S \cdots H \cdots C \cdots S hydrogen bonding in sulfoxides and sulfones provide a robust supramolecular synthon in the solid state?. <i>CrystEngComm</i> , 2010, 12, 2910. | 1.3 | 16 |
| 94 | Addition-substitution reactions of 2-thio-3-chloroacrylamides with carbon, nitrogen, oxygen, sulfur and selenium nucleophiles. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2452. | 1.5 | 16 |
| 95 | Oxidized Derivatives of Dihydrobrassicasterol: Cytotoxic and Apoptotic Potential in U937 and HepG2 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 5952-5961. | 2.4 | 16 |
| 96 | Synthetic approaches to the daucane sesquiterpene derivatives employing the intramolecular Buchner cyclisation of α -diazoketones. <i>Tetrahedron</i> , 2013, 69, 1778-1794. | 1.0 | 16 |
| 97 | Convenient and robust one-pot synthesis of symmetrical and unsymmetrical benzyl thioethers from benzyl halides using thiourea. <i>Arkivoc</i> , 2010, 2010, 216-228. | 0.3 | 16 |
| 98 | Enantioselective introduction of a benzenesulfonylmethyl substituent at an unactivated carbon atom via chemoenzymatic methods. <i>Tetrahedron Letters</i> , 1997, 38, 7459-7462. | 0.7 | 15 |
| 99 | Photochemistry of cis-3-Diazo-5,6-dimethyl-1,4-oxathian-2-one S-Oxide in Argon Matrices. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 2918-2924. | 1.2 | 15 |
| 100 | Diastereoselective sulfur oxidation of 2-thio-3-chloroacrylamides. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 871-884. | 1.8 | 15 |
| 101 | Efficient kinetic bioresolution of 2-nitrocyclohexanol. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1011-1016. | 1.8 | 15 |
| 102 | 1,3-Dipolar cycloadditions of 2-thio-3-chloroacrylamides with nitrile oxides and nitrones. <i>Tetrahedron</i> , 2010, 66, 4564-4572. | 1.0 | 15 |
| 103 | Investigation of Additive Effects in Enantioselective Copper-Catalysed C-H Insertion and Aromatic Addition Reactions of α -Diazocarbonyl Compounds. <i>Synlett</i> , 2012, 23, 765-767. | 1.0 | 15 |
| 104 | Design and synthesis of stable α -diazo- β -oxo sulfoxides. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1706. | 1.5 | 15 |
| 105 | Integration of high and low field ^1H NMR to analyse the effects of bovine dietary regime on milk metabolomics and protein-bound moisture characterisation of the resulting mozzarella cheeses during ripening. <i>International Dairy Journal</i> , 2019, 91, 155-164. | 1.5 | 15 |
| 106 | Exploring the Scope of Asymmetric Synthesis of β -Hydroxy- γ -lactams via Noyori-type Reductions. <i>Organic Letters</i> , 2016, 18, 4978-4981. | 2.4 | 14 |
| 107 | Synthesis of Cyclic α -Diazo- β -keto Sulfoxides in Batch and Continuous Flow. <i>Journal of Organic Chemistry</i> , 2017, 82, 3666-3679. | 1.7 | 14 |
| 108 | Desymmetrization by Asymmetric Copper-Catalyzed Intramolecular C \cdots H Insertion Reactions of α -Diazo- β -oxosulfones. <i>Journal of Organic Chemistry</i> , 2019, 84, 7543-7563. | 1.7 | 14 |

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|-----|--|-----|-----------|
| 109 | Investigation of the chemoselective and enantioselective oxidation of α -thio- β -chloroacrylamides. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1256-1273. | 1.8 | 13 |
| 110 | Hetero-Wolff Rearrangement of an α -Sulfinyl Carbene: Thermally Activated Intersystem Crossing of the Lowest Excited Triplet State of a Ground-State Singlet Carbene. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2297-2304. | 1.2 | 13 |
| 111 | Substrate and Catalyst Effects in the Enantioselective Copper-Catalysed C-H Insertion Reactions of α -Diazo- β -oxo Sulfones. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2277-2289. | 1.2 | 13 |
| 112 | Regioselective Thermal [3+2]-Dipolar Cycloadditions of α -Diazoacetates with α -Sulfinyl/Sulfinyl/Sulfonyl- β -Chloroacrylamide Derivatives to Form Densely Functionalised Pyrazoles. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5368-5384. | 1.2 | 13 |
| 113 | Asymmetric reduction of 1-methylsulfonylalkan-2-ones with baker's yeast. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997, , 235-238. | 0.9 | 12 |
| 114 | Impact of sulfur substituents on the C-H \cdots O interaction of terminal alkynes in crystal engineering. <i>CrystEngComm</i> , 2007, 9, 1041. | 1.3 | 12 |
| 115 | Modifications to the Vilsmeier-Haack formylation of 1,4-dimethylcarbazole and its application to the synthesis of ellipticines. <i>Journal of Heterocyclic Chemistry</i> , 2011, 48, 814-823. | 1.4 | 12 |
| 116 | Baker's yeast-Mediated Reduction of Sulfur-Containing Compounds. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 3737-3756. | 1.2 | 12 |
| 117 | The impact of storage conditions upon gentamicin coated antimicrobial implants. <i>Journal of Pharmaceutical Analysis</i> , 2016, 6, 374-381. | 2.4 | 12 |
| 118 | Enantioselective copper catalysed intramolecular C-H insertion reactions of α -diazo- β -keto sulfones, α -diazo- β -keto phosphine oxides and 2-diazo-1,3-diketones; the influence of the carbene substituent. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2609-2628. | 1.5 | 12 |
| 119 | Solubility Measurement and Thermodynamic Modeling of | | |

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|-----|--|-----|-----------|
| 127 | Organic synthesis with α -chlorosulphides. Conversion of phenols into β -lactones using methyl-2-chloro-2-(alkyl or arylthio)carboxylates. <i>Tetrahedron Letters</i> , 1986, 27, 761-764. | 0.7 | 9 |
| 128 | Desmethylabietospiran, a Naturally Occurring Self-Gelation Agent. <i>Journal of Natural Products</i> , 2005, 68, 125-128. | 1.5 | 9 |
| 129 | Process Development and Pilot-Plant Synthesis of (2-Chlorophenyl)[2-(phenylsulfonyl)pyridin-3-yl]methanone. <i>Organic Process Research and Development</i> , 2010, 14, 1229-1238. | 1.3 | 9 |
| 130 | Electronic effects of aryl-substituted bis(oxazoline) ligands on the outcome of asymmetric copper-catalysed α -H insertion and aromatic addition reactions. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1265-1275. | 1.8 | 9 |
| 131 | Preparation of 2-Aminopyridoimidazoles and 2-Aminobenzimidazoles via Phosphorus Oxychloride-Mediated Cyclization of Aminoureas. <i>Journal of Organic Chemistry</i> , 2014, 79, 3688-3695. | 1.7 | 9 |
| 132 | Pronounced Inhibition Shift from HIV Reverse Transcriptase to Herpetic DNA Polymerases by Increasing the Flexibility of α -Carboxy Nucleoside Phosphonates. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8110-8127. | 2.9 | 9 |
| 133 | Guanine α -carboxy nucleoside phosphonate (G- α -CNP) shows a different inhibitory kinetic profile against the DNA polymerases of human immunodeficiency virus (HIV) and herpes viruses. <i>Biochemical Pharmacology</i> , 2017, 136, 51-61. | 2.0 | 9 |
| 134 | Dynamic kinetic resolution of 2-methyl-2-nitrocyclohexanol: Combining the intramolecular nitroaldol (Henry) reaction & lipase-catalysed resolution. <i>Tetrahedron</i> , 2018, 74, 1435-1443. | 1.0 | 9 |
| 135 | Genome mining and characterisation of a novel transaminase with remote stereoselectivity. <i>Scientific Reports</i> , 2019, 9, 20285. | 1.6 | 9 |
| 136 | Organic synthesis with α -chloro sulphides. Preparation of aromatic β -lactones from phenols and α -chloro sulphide carboxylates. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1990, , 1041-1045. | 0.9 | 8 |
| 137 | Efficient kinetic resolution of 2-benzenesulfonylcyclopentanone derivatives. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1996, 1, 115-126. | 1.8 | 8 |
| 138 | Enantioselective Intramolecular Aldol Reaction of α -Diazoketones. <i>Synlett</i> , 2007, 2007, 2367-2370. | 1.0 | 8 |
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