Anita R Maguire

List of Publications by Citations

180 papers	5,606 citations	35 h-index	68 g-index
221 ext. papers	6,268 ext. citations	4.4 avg, IF	5.86 L-index

#	Paper	IF	Citations
180	Modern Organic Synthesis with α-Diazocarbonyl Compounds. *Chemical Reviews*, **2015**, 115, 9981-10080	68.1	924
179	Phytosterol, squalene, tocopherol content and fatty acid profile of selected seeds, grains, and legumes. *Plant Foods for Human Nutrition*, **2007**, 62, 85-91	3.9	321
178	Asymmetric 1,3-dipolar cycloadditions of acrylamides. *Chemical Society Reviews*, **2010**, 39, 845-83	58.5	227
177	Fatty acid profile, tocopherol, squalene and phytosterol content of brazil, pecan, pine, pistachio and cashew nuts. *International Journal of Food Sciences and Nutrition*, **2006**, 57, 219-28	3.7	164
176	Bioactivities of glycoalkaloids and their aglycones from Solanum species. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 3454-84	5.7	156
175	Confab - Systematic generation of diverse low-energy conformers. *Journal of Cheminformatics*, **2011**, 3, 8	8.6	152
174	Taming hazardous chemistry in flow: the continuous processing of diazo and diazonium compounds. *Chemistry - A European Journal*, **2015**, 21, 2298-308	4.8	147
173	Asymmetric synthesis in carbon–carbon bond forming reactions of α-diazoketones catalysed by homochiral rhodium(II) carboxylates. *Journal of the Chemical Society Chemical Communications*, **1990**, 361-362		129
172	Catalytic asymmetric C–H insertion reactions of α-diazocarbonyl compounds. *Tetrahedron*, **2010**, 66, 6681-6705	2.4	103
171	Qualitative and quantitative comparison of the cytotoxic and apoptotic potential of phytosterol oxidation products with their corresponding cholesterol oxidation products. *British Journal of Nutrition*, **2005**, 94, 443-51	3.6	103
170	Cocrystals of Fenamic Acids with Nicotinamide. *Crystal Growth and Design*, **2011**, 11, 3522-3528	3.5	89
169	Biocatalytic Approaches to the Henry (Nitroaldol) Reaction. *European Journal of Organic Chemistry*, **2012**, 2012, 3059-3067	3.2	88
168	Synthetic approaches to bicyclo[5.3.0]decane sesquiterpenes. *Tetrahedron*, **2010**, 66, 1131-1175	2.4	85
167	The norcaradiene–cycloheptatriene equilibrium. *Tetrahedron*, **2011**, 67, 9-40	2.4	84
166	Comparison of the cytotoxic effects of beta-sitosterol oxides and a cholesterol oxide, 7beta-hydroxycholesterol, in cultured mammalian cells. *British Journal of Nutrition*, **2003**, 90, 767-75	3.6	82
165	Cocrystallization of Nutraceuticals. *Crystal Growth and Design*, **2015**, 15, 984-1009	3.5	68
164	Highly enantioselective intramolecular copper catalyzed C-H insertion reactions of alpha-diazosulfones. *Journal of the American Chemical Society*, **2010**, 132, 1184-5	16.4	65

163	ReactNMR and ReactIR as reaction monitoring and mechanistic elucidation tools: the NCS mediated cascade reaction of □thioamides to □thio-□chloroacrylamides. *Journal of Organic Chemistry*, **2011**, 76, 9630-40	4.2	59
162	Copper-catalyzed asymmetric oxidation of sulfides. *Journal of Organic Chemistry*, **2012**, 77, 3288-96	4.2	54
161	The intramolecular Buchner reaction of aryl diazoketones. Substituent effects and scope in synthesis. *Journal of the Chemical Society Perkin Transactions 1*, **1990**, 1047		52
160	Asymmetric oxidation of sulfides. *Journal of Sulfur Chemistry*, **2013**, 34, 301-341	2.3	50
159	Phytosterol Oxidation Products: Their Formation, Occurrence, and Biological Effects. *Food Reviews International*, **2009**, 25, 157-174	5.5	47
158	Enantioselective synthesis of non-natural amino acids using phenylalanine dehydrogenases modified by site-directed mutagenesis. *Organic and Biomolecular Chemistry*, **2004**, 2, 2684-91	3.9	47
157	Synthesis and evaluation of novel ellipticines as potential anti-cancer agents. *Organic and Biomolecular Chemistry*, **2013**, 11, 1334-44	3.9	46
156	Enantioselective Synthesis of Sulindac. *Synlett*, **2001**, 2001, 0041-0044	2.2	46
155	Anti-inflammatory properties of potato glycoalkaloids in stimulated Jurkat and Raw 264.7 mouse macrophages. *Life Sciences*, **2013**, 92, 775-82	6.8	45
154	Selective manganese-mediated transformations using the combination:. *Tetrahedron Letters*, **1997**, 38, 2339-2342	2	44
153	Selective release of DNA from the surface of indium-tin oxide thin electrode films using thiol-disulfide exchange chemistry. *Analytical Chemistry*, **2007**, 79, 2050-7	7.8	41
152	Synthesis, isolation and characterisation of beta-sitosterol and beta-sitosterol oxide derivatives. *Organic and Biomolecular Chemistry*, **2005**, 3, 3059-65	3.9	40
151	Expanding the crystal landscape of isonicotinamide: concomitant polymorphism and co-crystallisation. *CrystEngComm*, **2011**, 13, 6923	3.3	37
150	Dynamic equilibria in the products of intramolecular Buchner additions of diazoketones to aryl rings bearing methoxy substituents. *Journal of Organic Chemistry*, **2001**, 66, 7166-77	4.2	37
149	A novel cyclinE/cyclinA-CDK inhibitor targets p27(Kip1) degradation, cell cycle progression and cell survival: implications in cancer therapy. *Cancer Letters*, **2013**, 333, 103-12	9.9	36
148	Synthetic approaches towards nucleocidin and selected analogues; anti-HIV activity in 4?-fluorinated nucleoside derivatives. *Journal of the Chemical Society Perkin Transactions 1*, **1993**, 1795-1808		36
147	Synthesis of indomethacin analogues for evaluation as modulators of MRP activity. *Bioorganic and Medicinal Chemistry*, **2001**, 9, 745-62	3.4	35
146	Recent trends in whole cell and isolated enzymes in enantioselective synthesis. *Arkivoc*, **2012**, 2012, 321-382	3.9	35

145	Design and Synthesis of Ternary Cocrystals Using Carboxyphenols and Two Complementary Acceptor Compounds. *Crystal Growth and Design*, **2016**, 16, 59-69	3.5	33
144	Taming tosyl azide: the development of a scalable continuous diazo transfer process. *Organic and Biomolecular Chemistry*, **2016**, 14, 3423-31	3.9	33
143	Characterisation, solubility and intrinsic dissolution behaviour of benzamide: dibenzyl sulfoxide cocrystal. *International Journal of Pharmaceutics*, **2012**, 422, 24-32	6.5	33
142	Total synthesis and biological evaluation of grassypeptolide A. *Chemistry - A European Journal*, **2013**, 19, 6774-84	4.8	33
141	Novel co-crystals of the nutraceutical sinapic acid. *CrystEngComm*, **2015**, 17, 4832-4841	3.3	32
140	Cytotoxic and apoptotic effects of the oxidized derivatives of stigmasterol in the U937 human monocytic cell line. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 10793-8	5.7	32
139	Stereocontrol in the intramolecular Buchner reaction of diazoketones. *Journal of the Chemical Society Perkin Transactions 1*, **1998**, 4077-4092		30
138	Synthesis and characterization of stigmasterol oxidation products. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 1165-73	5.7	29
137	Evaluation of the Bruker SMART X2S: crystallography for the nonspecialist?. *Journal of Applied Crystallography*, **2011**, 44, 213-215	3.8	28
136	Asymmetric copper-catalysed intramolecular C-H insertion reactions of □diazo-□keto sulfones. *Organic and Biomolecular Chemistry*, **2011**, 9, 667-9	3.9	28
135	Asymmetric Synthesis of Aryl Benzyl Sulfoxides by Vanadium-Catalysed Oxidation: A Combination of Enantioselective Sulfide Oxidation and Kinetic Resolution in Sulfoxide Oxidation. *European Journal of Organic Chemistry*, **2006**, 2006, 4500-4509	3.2	28
134	Design and synthesis of □carboxy phosphononucleosides. *Journal of Organic Chemistry*, **2011**, 76, 105-26	4.2	27
133	Phenylalanine dehydrogenase mutants: efficient biocatalysts for synthesis of non-natural phenylalanine derivatives. *Journal of Biotechnology*, **2007**, 128, 408-11	3.7	27
132	Conformational States of HIV-1 Reverse Transcriptase for Nucleotide Incorporation vs Pyrophosphorolysis-Binding of Foscarnet. *ACS Chemical Biology*, **2016**, 11, 2158-64	4.9	27
131	Lipase catalysed kinetic resolutions of 3-aryl alkanoic acids. *Tetrahedron: Asymmetry*, **2011**, 22, 47-61		26
130	Alpha-carboxy nucleoside phosphonates as universal nucleoside triphosphate mimics. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 3475-80	11.5	25
129	Understanding the p-Toluenesulfonamide/Triphenylphosphine Oxide Crystal Chemistry: A New 1:1 Cocrystal and Ternary Phase Diagram. *Crystal Growth and Design*, **2012**, 12, 869-875	3.5	25
128	Investigating C?S□□ Halogen Bonding for Cocrystallization with Primary Thioamides. *Crystal Growth and Design*, **2015**, 15, 3442-3451	3.5	24

127	Investigation of steric and electronic effects in the copper-catalysed asymmetric oxidation of sulfides. *Tetrahedron*, **2013**, 69, 10168-10184	2.4	24
126	Symmetry assisted tuning of bending and brittle multi-component forms of probenecid. *Chemical Communications*, **2017**, 53, 3381-3384	5.8	23
125	Utilizing Sulfoxide⋯Iodine Halogen Bonding for Cocrystallization. *Crystal Growth and Design*, **2012**, 12, 2969-2977	3.5	23
124	Copper-Mediated, Heterogeneous, Enantioselective Intramolecular Buchner Reactions of α-Diazoketones Using Continuous Flow Processing. *Journal of Organic Chemistry*, **2018**, 83, 3794-3805	4.2	22
123	Enantioselective copper catalysed C-H insertion reaction of 2-sulfonyl-2-diazoacetamides to form β-lactams. *Organic and Biomolecular Chemistry*, **2014**, 12, 7612-28	3.9	22
122	Crystal Landscape of Primary Aromatic Thioamides. *Crystal Growth and Design*, **2014**, 14, 2753-2762	3.5	22
121	Asymmetric synthesis of cis-7-methoxycalamenene via the intramolecular Buchner reaction of an α-diazoketone. *Journal of Organic Chemistry*, **2012**, 77, 2035-40	4.2	22
120	A Practical Synthesis of Biaryls via a Thermal Decarboxylative Pd-Catalyzed Cross-Coupling Reaction Operating at Moderate Temperature. *Organic Process Research and Development*, **2011**, 15, 981-985	3.9	22
119	1,3-Dipolar cycloadditions of 2-thio-3-chloroacrylamides with diazoalkanes. *Organic and Biomolecular Chemistry*, **2010**, 8, 2735-48	3.9	22
118	Sulfoxides: Potent Co-Crystal Formers. *Crystal Growth and Design*, **2010**, 10, 4243-4245	3.5	22
117	Investigation of the synthetic and mechanistic aspects of the highly stereoselective transformation of alpha-thioamides to alpha-thio-beta-chloroacrylamides. *Organic and Biomolecular Chemistry*, **2007**, 5, 1228-41	3.9	22
116	Excellent stereocontrol in intramolecular Buchner cyclisations and subsequent cycloadditions; stereospecific construction of polycyclic systems. *Chemical Communications*, **1996**, 2595	5.8	22
115	Catalyst and substituent effects on the rhodium(II)-catalysed intramolecular Buchner reaction. *Tetrahedron*, **2014**, 70, 6870-6878	2.4	21
114	Exploiting the Continuous in situ Generation of Mesyl Azide for Use in a Telescoped Process. *European Journal of Organic Chemistry*, **2017**, 2017, 6533-6539	3.2	21
113	The influence of reaction conditions on the Diels-Alder cycloadditions of 2-thio-3-chloroacrylamides; investigation of thermal, catalytic and microwave conditions. *Organic and Biomolecular Chemistry*, **2010**, 8, 5602-13	3.9	21
112	The intramolecular Buchner reaction of aryl diazoketones. Synthesis and X-ray crystal structures of some polyfunctional hydroazulene lactones. *Journal of the Chemical Society Perkin Transactions 1*, **1990**, 1055		21
111	The Impact of Recent Developments in Technologies which Enable the Increased Use of Biocatalysts. *European Journal of Organic Chemistry*, **2019**, 2019, 3713-3734	3.2	20
110	Design and synthesis of α-carboxy nucleoside phosphonate analogues and evaluation as HIV-1 reverse transcriptase-targeting agents. *Journal of Organic Chemistry*, **2015**, 80, 2479-93	4.2	20

109	Synthesis and assessment of the relative toxicity of the oxidised derivatives of campesterol and dihydrobrassicasterol in U937 and HepG2 cells. *Biochimie*, **2013**, 95, 496-503	4.6	19
108	Substrate and catalyst effects in C–H insertion reactions of α-diazoacetamides. *Tetrahedron Letters*, **2016**, 57, 5399-5406	2	18
107	Synthesis of aryl benzyl NH-sulfoximines. *Tetrahedron*, **2009**, 65, 10660-10670	2.4	18
106	Synthetic and mechanistic aspects of sulfonyl migrations. *Organic and Biomolecular Chemistry*, **2020**, 18, 2549-2610	3.9	18
105	Catalyst, additive and counterion effects on the efficiency and enantioselectivity of copper-catalysed C–H insertion reactions of α-diazosulfones. *Tetrahedron*, **2013**, 69, 1297-1301	2.4	17
104	New methods for the synthesis of N-benzoylated uridine and thymidine derivatives; a convenient method for N-debenzoylation. *Carbohydrate Research*, **2002**, 337, 369-72	2.9	17
103	Copper-catalysed enantioselective intramolecular C–H insertion reactions of α-diazo-β-keto esters and α-diazo-β-keto phosphonates. *Tetrahedron Letters*, **2013**, 54, 2799-2801	2	16
102	Synthetic approaches to the daucane sesquiterpene derivatives employing the intramolecular Buchner cyclisation of α-diazoketones. *Tetrahedron*, **2013**, 69, 1778-1794	2.4	16
101	Oxidized derivatives of dihydrobrassicasterol: cytotoxic and apoptotic potential in U937 and HepG2 cells. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 5952-61	5.7	16
100	Total synthesis of padanamides A and B. *Chemical Communications*, **2013**, 49, 2977-9	5.8	16
99	Investigation of the reaction of α-thioamides, α-esters and α-nitriles with N-halosuccinimides. *Tetrahedron*, **2008**, 64, 7639-7649	2.4	16
98	Expanded scope of heterocyclic biaryl synthesis via a palladium-catalysed thermal decarboxylative cross-coupling reaction. *Tetrahedron Letters*, **2012**, 53, 403-405	2	15
97	The use of co-crystals for the determination of absolute stereochemistry: an alternative to salt formation. *Journal of Organic Chemistry*, **2011**, 76, 1159-62	4.2	15
96	Addition-substitution reactions of 2-thio-3-chloroacrylamides with carbon, nitrogen, oxygen, sulfur and selenium nucleophiles. *Organic and Biomolecular Chemistry*, **2011**, 9, 2452-72	3.9	15
95	Does intermolecular SO?HC□SO hydrogen bonding in sulfoxides and sulfones provide a robust supramolecular synthon in the solid state?. *CrystEngComm*, **2010**, 12, 2910	3.3	15
94	Engineered dehydrogenase biocatalysts for non-natural amino acids: efficient isolation of the D-enantiomer from racemic mixtures. *Organic and Biomolecular Chemistry*, **2008**, 6, 3611-5	3.9	15
93	Matrix Isolation and Photochemistry of α-Diazo Sulfoxides: Formation of α-Oxo Sulfine as an Intermediate. *European Journal of Organic Chemistry*, **2000**, 2000, 3329-3335	3.2	15
92	A study of the norcaradiene-cycloheptatriene equilibrium in a series of azulenones by NMR spectroscopy; the impact of substitution on the position of equilibrium. *Organic and Biomolecular Chemistry*, **2015**, 13, 11026-38	3.9	14

91	Generation, Reactivity and Uses of Sulfines in Organic Synthesis. *European Journal of Organic Chemistry*, **2016**, 2016, 1630-1650	3.2	14
90	Diastereoselective sulfur oxidation of 2-thio-3-chloroacrylamides. *Tetrahedron: Asymmetry*, **2010**, 21, 871-884		14
89	Convenient and robust one-pot synthesis of symmetrical and unsymmetrical benzyl thioethers from benzyl halides using thiourea. *Arkivoc*, **2010**, 2010, 216-228	0.9	14
88	Synthesis of Cyclic □Diazo-□keto Sulfoxides in Batch and Continuous Flow. *Journal of Organic Chemistry*, **2017**, 82, 3666-3679	4.2	13
87	Design and synthesis of stable □diazo-□oxo sulfoxides. *Organic and Biomolecular Chemistry*, **2013**, 11, 1706-25	3.9	13
86	Investigation of Additive Effects in Enantioselective Copper-Catalysed C-H Insertion and Aromatic Addition Reactions of □Diazocarbonyl Compounds. *Synlett*, **2012**, 23, 765-767	2.2	13
85	Efficient kinetic bioresolution of 2-nitrocyclohexanol. *Tetrahedron: Asymmetry*, **2010**, 21, 1011-1016		13
84	1,3-Dipolar cycloadditions of 2-thio-3-chloroacrylamides with nitrile oxides and nitrones. *Tetrahedron*, **2010**, 66, 4564-4572	2.4	13
83	Rhodium catalysed decomposition of □diazosulfoxides: Formation of □oxo sulfines as intermediates. *Tetrahedron Letters*, **1998**, 39, 3849-3852	2	13
82	Single step stereospecific transformation of 2-phenylthio secondary amides into (Z)-3-chloro-2-phenylthio acrylamides. *Tetrahedron Letters*, **1995**, 36, 467-470	2	13
81	Exploring the role of the □carboxyphosphonate moiety in the HIV-RT activity of □carboxy nucleoside phosphonates. *Organic and Biomolecular Chemistry*, **2016**, 14, 2454-65	3.9	12
80	Synthesis of □diazo-□oxo sulfoxides. *Tetrahedron Letters*, **1998**, 39, 2819-2822	2	12
79	Impact of sulfur substituents on the C□H?O interaction of terminal alkynes in crystal engineering. *CrystEngComm*, **2007**, 9, 1041	3.3	12
78	Photochemistry of cis-3-Diazo-5,6-dimethyl-1,4-oxathian-2-one S-Oxide in Argon Matrices. *European Journal of Organic Chemistry*, **2006**, 2006, 2918-2924	3.2	12
77	Dynamic kinetic resolution in the baker's yeast mediated reduction of 2-Benzenesulfonylcycloalkanones. *Tetrahedron Letters*, **1999**, 40, 9285-9288	2	12
76	Cocrystals and a Salt of the Bioactive Flavonoid: Naringenin. *Crystal Growth and Design*, **2018**, 18, 4571-4577	3.7	12
75	Enantioselective copper catalysed intramolecular C-H insertion reactions of □diazo-□keto sulfones, □diazo-□keto phosphine oxides and 2-diazo-1,3-diketones; the influence of the carbene substituent. *Organic and Biomolecular Chemistry*, **2017**, 15, 2609-2628	3.9	11
74	Desymmetrization by Asymmetric Copper-Catalyzed Intramolecular C-H Insertion Reactions of □Diazo-□oxosulfones. *Journal of Organic Chemistry*, **2019**, 84, 7543-7563	4.2	11

73	Hetero-Wolff Rearrangement of an α-Sulfinyl Carbene: Thermally Activated Intersystem Crossing of the Lowest Excited Triplet State of a Ground-State Singlet Carbene. *European Journal of Organic Chemistry*, **2014**, 2014, 2297-2304	3.2	11
72	Unzipping the Dimer in Primary Amides by Cocrystallization with Sulfoxides. *Crystal Growth and Design*, **2011**, 11, 4433-4439	3.5	11
71	Asymmetric reduction of 1-methylsulfonylalkan-2-ones with baker's yeast. *Journal of the Chemical Society Perkin Transactions 1*, **1997**, 235-238		11
70	Investigation of the chemoselective and enantioselective oxidation of α-thio-β-chloroacrylamides. *Tetrahedron: Asymmetry*, **2008**, 19, 1256-1273		11
69	Substrate and Catalyst Effects in the Enantioselective Copper-Catalysed C–H Insertion Reactions of α-Diazo-β-oxo Sulfones. *European Journal of Organic Chemistry*, **2018**, 2018, 2277-2289	3.2	10
68	Baker's-Yeast-Mediated Reduction of Sulfur-Containing Compounds. *European Journal of Organic Chemistry*, **2014**, 2014, 3737-3756	3.2	10
67	Influence of the position of the substituent on the efficiency of lipase-mediated resolutions of 3-aryl alkanoic acids. *Tetrahedron: Asymmetry*, **2013**, 24, 1480-1487		10
66	Modifications to the Vilsmeier-Haack formylation of 1,4-dimethylcarbazole and its application to the synthesis of ellipticines. *Journal of Heterocyclic Chemistry*, **2011**, 48, 814-823	1.9	10
65	Enantioselective introduction of a benzenesulfonylmethyl substituent at an unactivated carbon atom via chemoenzymatic methods. *Tetrahedron Letters*, **1997**, 38, 7459-7462	2	10
64	Exploring the Scope of Asymmetric Synthesis of β-Hydroxy-γ-lactams via Noyori-type Reductions. *Organic Letters*, **2016**, 18, 4978-4981	6.2	10
63	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. *International Dairy Journal*, **2019**, 91, 155-164	3.5	10
62	Pronounced Inhibition Shift from HIV Reverse Transcriptase to Herpetic DNA Polymerases by Increasing the Flexibility of α-Carboxy Nucleoside Phosphonates. *Journal of Medicinal Chemistry*, **2015**, 58, 8110-27	8.3	9
61	Dynamic kinetic resolution of 2-methyl-2-nitrocyclohexanol: Combining the intramolecular nitroaldol (Henry) reaction & lipase-catalysed resolution. *Tetrahedron*, **2018**, 74, 1435-1443	2.4	9
60	Insight into the Mechanism of Formation of Channel Hydrates via Templating. *Crystal Growth and Design*, **2014**, 14, 1158-1166	3.5	9
59	Synthetic routes to campesterol and dihydrobrassicasterol: a first reported synthesis of the key phytosterol dihydrobrassicasterol. *Tetrahedron*, **2012**, 68, 4995-5004	2.4	9
58	Telescoped approach to aryl hydroxymethylation in the synthesis of a key pharmaceutical intermediate. *Journal of Organic Chemistry*, **2013**, 78, 5955-63	4.2	9
57	Synthesis of novel 24-amino-25,26,27-trinorlanost-8-enes: cytotoxic and apoptotic potential in U937 cells. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 2270-80	3.4	8
56	Solubility Measurement and Thermodynamic Modeling of N-(4-Methylphenyl-Z-3-chloro-2-(phenylthio)propenamide in 12 Pure Solvents at Temperatures Ranging from 278.15 to 318.15 K. *Journal of Chemical & Engineering Data*, **2018**, 63, 1419-1428	2.8	8

55	Diversity in a simple co-crystal: racemic and kryptoracemic behaviour. *Chemical Communications*, **2016**, 52, 8309-12	5.8	8
54	Electronic effects of aryl-substituted bis(oxazoline) ligands on the outcome of asymmetric copper-catalysed C□H insertion and aromatic addition reactions. *Tetrahedron: Asymmetry*, **2013**, 24, 1265-1275		8
53	Desmethylabietospiran, a naturally occurring self-gelation agent. *Journal of Natural Products*, **2005**, 68, 125-8	4.9	8
52	Efficient kinetic resolution of 2-benzenesulfonylcyclopentanone derivatives. *Journal of Molecular Catalysis B: Enzymatic*, **1996**, 1, 115-126		8
51	Regioselective Thermal [3+2]-Dipolar Cycloadditions of □-Diazoacetates with □-Sulfenyl/Sulfinyl/Sulfonyl-□-Chloroacrylamide Derivatives to Form Densely Functionalised Pyrazoles. *European Journal of Organic Chemistry*, **2019**, 2019, 5368-5384	3.2	7
50	Development of O□H insertion for the attachment of phosphonates to nucleosides; synthesis of □-carboxy phosphononucleosides. *Tetrahedron*, **2012**, 68, 1894-1909	2.4	7
49	Pleiotropic role for monocyte C-fms protein in response to vascular injury: potential therapeutic target. *Atherosclerosis*, **2011**, 216, 74-82	3.1	7
48	Process Development and Pilot-Plant Synthesis of (2-Chlorophenyl)[2-(phenylsulfonyl)pyridin-3-yl]methanone. *Organic Process Research and Development*, **2010**, 14, 1229-1238	3.9	7
47	Enhancement of Enantioselection in the Copper-Catalysed Intramolecular B□hner Reaction by Variation of the Counterion. *Synlett*, **2009**, 2009, 2312-2314	2.2	7
46	Chemoenzymatic methods in the asymmetric synthesis of □-diazosulfoxides. *Arkivoc*, **2003**, 2003, 96-109	0.9	7
45	Development of a continuous process for □-thio-□-chloroacrylamide synthesis with enhanced control of a cascade transformation. *Beilstein Journal of Organic Chemistry*, **2016**, 12, 2511-2522	2.5	7
44	The impact of storage conditions upon gentamicin coated antimicrobial implants. *Journal of Pharmaceutical Analysis*, **2016**, 6, 374-381	14	7
43	Synthesis and use of a cost-effective, aqueous soluble diazo transfer reagent □ m-carboxybenzenesulfonyl azide. *Tetrahedron Letters*, **2019**, 60, 35-39	2	7
42	Guanine □-carboxy nucleoside phosphonate (G-□CNP) shows a different inhibitory kinetic profile against the DNA polymerases of human immunodeficiency virus (HIV) and herpes viruses. *Biochemical Pharmacology*, **2017**, 136, 51-61	6	6
41	Hydrolase-mediated resolution of the hemiacetal in 2-chromanols: The impact of remote substitution. *Tetrahedron: Asymmetry*, **2017**, 28, 577-585		6
40	Enantioselective Intramolecular B□hner Reaction of □-Diazoketones. *Synlett*, **2007**, 2007, 2367-2370	2.2	6
39	Organic synthesis with □-chloro sulphides. Preparation of aromatic □-lactones from phenols and □-chloro sulphide carboxylates. *Journal of the Chemical Society Perkin Transactions 1*, **1990**, 1041-1045		6
38	Organic synthesis with □-chlorosulphides. Conversion of phenols into □-lactones using methyl-2-chloro-2-(alkyl or arylthio)carboxylates. *Tetrahedron Letters*, **1986**, 27, 761-764	2	6

37	Efficient construction of novel carbocyclic frameworks via intramolecular aromatic addition of diazoketones followed by Diels-Alder cycloaddition. *Arkivoc*, **2009**, 2009, 130-151	0.9	6
36	Genome mining and characterisation of a novel transaminase with remote stereoselectivity. *Scientific Reports*, **2019**, 9, 20285	4.9	6
35	Synthesis of Guanine Carboxy Nucleoside Phosphonate (G-CNP), a Direct Inhibitor of Multiple Viral DNA Polymerases. *Journal of Organic Chemistry*, **2018**, 83, 10510-10517	4.2	5
34	Preparation of 2-aminopyridoimidazoles and 2-aminobenzimidazoles via phosphorus oxychloride-mediated cyclization of aminoureas. *Journal of Organic Chemistry*, **2014**, 79, 3688-95	4.2	5
33	Co-crystallisation through halogen bonding with racemic or enantiopure sulfinamides. *CrystEngComm*, **2013**, 15, 7571	3.3	5
32	Leveraging an Industrial Academic Partnership To Optimize Small Molecule Process Development within the Pharmaceutical Industry. *Organic Process Research and Development*, **2015**, 19, 344-346	3.9	5
31	Baker Yeast Mediated Reduction of 2-Acetyl-3-methyl Sulfolane. *Catalysts*, **2014**, 4, 186-195	4	5
30	Stereoselective Synthesis of 2-Thio-3-Chloroacrylamides and Investigation of their Reactivity. *Synlett*, **2011**, 2011, 1212-1232	2.2	5
29	Synthesis and stereoselective oxidation of thio-chloropropenyloxazolidin-2-ones. *Tetrahedron: Asymmetry*, **2010**, 21, 2550-2558		5
28	Alpha-carboxynucleoside phosphonates: direct-acting inhibitors of viral DNA polymerases. *Future Medicinal Chemistry*, **2019**, 11, 137-154	4.1	5
27	Delivering enhanced efficiency in the synthesis of diazosulfoxides by exploiting the process control enabled in flow. *Journal of Flow Chemistry*, **2016**, 6, 226-233	3.3	4
26	Impact of variation of the acyl group on the efficiency and selectivity of the lipase-mediated resolution of 2-phenylalkanols. *Tetrahedron: Asymmetry*, **2017**, 28, 1144-1153		4
25	Synthetic and Mechanistic Aspects on the Competition between CH Insertion and Hydride Transfer in Copper-Mediated Transformations of Diazo-Keto Sulfones. *Synlett*, **2014**, 25, 591-595	2.2	4
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