# Andrei K Yudin

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 210 papers | 10,094 citations | 46 h-index | 94 g-index |
| 236 ext. papers | 11,200 ext. citations | 10.2 avg, IF | 6.79 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 210 | Serine and Threonine Phosphorylation Marks Proteins for Degradation By Clpxp. *Blood*, **2021**, 138, 3329-3329 | 21 | |
| 209 | Two-Dimensional Barriers for Probing Conformational Shifts in Macrocycles. *Journal of the American Chemical Society*, **2021**, 143, 5166-5171 | 16.4 | 0 |
| 208 | Acylboronates in Polarity-Reversed Generation of Acyl Palladium(II) Intermediates. *Organic Letters*, **2021**, 23, 3294-3299 | 6.2 | 0 |
| 207 | Improving the Kumada Catalyst Transfer Polymerization with Water-Scavenging Grignard Reagents.. *ACS Macro Letters*, **2021**, 10, 697-701 | 6.6 | 2 |
| 206 | Synthesis of Fluorinated Aminoalkylboronic Acids from Amphoteric -Boryl Aldehydes. *Angewandte Chemie - International Edition*, **2021**, 60, 16366-16371 | 16.4 | 4 |
| 205 | Synthesis of Fluorinated Aminoalkylboronic Acids from Amphoteric -Boryl Aldehydes. *Angewandte Chemie*, **2021**, 133, 16502-16507 | 3.6 | 4 |
| 204 | Carboxyboronate as a Versatile In Situ CO Surrogate in Palladium-Catalyzed Carbonylative Transformations. *Angewandte Chemie - International Edition*, **2021**, 60, 4342-4349 | 16.4 | 9 |
| 203 | Carboxyboronate as a Versatile In Situ CO Surrogate in Palladium-Catalyzed Carbonylative Transformations. *Angewandte Chemie*, **2021**, 133, 4388-4395 | 3.6 | 0 |
| 202 | -Aminoboronates: recent advances in their preparation and synthetic applications. *Chemical Society Reviews*, **2021**, 50, 12151-12188 | 58.5 | 3 |
| 201 | Acyl metalloids: conformity and deviation from carbonyl reactivity. *Chemical Science*, **2021**, 12, 5346-5360 | 9.4 | 3 |
| 200 | Illuminating the dark conformational space of macrocycles using dominant rotors. *Nature Chemistry* , **2021**, 13, 218-225 | 17.6 | 9 |
| 199 | Interrupted reactions in chemical synthesis. *Nature Reviews Chemistry*, **2021**, 5, 604-623 | 34.6 | 4 |
| 198 | Oxidative Rearrangement of MIDA (-Methyliminodiacetic Acid) Boronates: Mechanistic Insights and Synthetic Applications. *Organic Letters*, **2021**, 23, 324-328 | 6.2 | 1 |
| 197 | Boramidine: A Versatile Structural Motif for the Design of Fluorescent Heterocycles. *Journal of the American Chemical Society*, **2020**, 142, 13544-13549 | 16.4 | 3 |
| 196 | Grafting Bis(heteroaryl) Motifs into Ring Structures. *European Journal of Organic Chemistry*, **2020**, 2020, 5029-5033 | 3.2 | 1 |
| 195 | Reaction of Vinyl Aziridines with Arynes: Synthesis of Benzazepines and Branched Allyl Fluorides. *Chemistry - A European Journal*, **2020**, 26, 1501-1505 | 4.8 | 19 |
| 194 | Amidine Functionality As a Conformational Probe of Cyclic Peptides. *Organic Letters*, **2020**, 22, 9210-9214 | 6.2 | 1 |

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| 193 | Synthetic half-reactions. *Chemical Science*, **2020**, 11, 12423-12427 | 9.4 | 2 |
| 192 | Oxadiazole-Containing Macrocyclic Peptides Potentiate Azole Activity against Pathogenic Species. *MSphere*, **2020**, 5, | 5 | 7 |
| 191 | Nucleophilic Boron Clusters Lead to New Borylation Methods. *CheM*, **2019**, 5, 2291-2293 | 16.2 | 3 |
| 190 | Introduction: Macrocycles. *Chemical Reviews*, **2019**, 119, 9723 | 68.1 | 4 |
| 189 | Heteroaryl Rings in Peptide Macrocycles. *Chemical Reviews*, **2019**, 119, 10032-10240 | 68.1 | 33 |
| 188 | De Novo Design of Boron-Based Peptidomimetics as Potent Inhibitors of Human ClpP in the Presence of Human ClpX. *Journal of Medicinal Chemistry*, **2019**, 62, 6377-6390 | 8.3 | 19 |
| 187 | Solid-phase synthesis of peptide α-aminoboronic acids. *Peptide Science*, **2019**, 111, e24072 | 3 | 3 |
| 186 | Conformational Control of Macrocycles by Remote Structural Modification. *Chemical Reviews*, **2019**, 119, 9724-9752 | 68.1 | 51 |
| 185 | Carboxyboronate: A Versatile C1 Building Block. *Angewandte Chemie - International Edition*, **2019**, 58, 15148-15153 | 16.4 | 25 |
| 184 | Carboxyboronate: A Versatile C1 Building Block. *Angewandte Chemie*, **2019**, 131, 15292-15297 | 3.6 | 18 |
| 183 | Conformationally stable peptide macrocycles assembled using the Petasis borono-Mannich reaction. *Chemical Communications*, **2019**, 55, 10567-10570 | 5.8 | 9 |
| 182 | Identification and characterization of the first fragment hits for SETDB1 Tudor domain. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 3866-3878 | 3.4 | 4 |
| 181 | Modular Synthesis of α-Amino Boronate Peptidomimetics. *Journal of Organic Chemistry*, **2018**, 83, 7296-7302 | 4.2 | 14 |
| 180 | Achieving Skeletal Diversity in Peptide Macrocycles through The Use of Heterocyclic Grafts. *Chemistry - A European Journal*, **2018**, 24, 7074-7082 | 4.8 | 15 |
| 179 | Heterocycles: Versatile control elements in bioactive macrocycles. *Bioorganic and Medicinal Chemistry*, **2018**, 26, 2774-2779 | 3.4 | 10 |
| 178 | Amine hemilability enables boron to mechanistically resemble either hydride or proton. *Nature Chemistry*, **2018**, 10, 1062-1070 | 17.6 | 29 |
| 177 | A Mechanistic Model for the Aziridine Aldehyde-Driven Macrocyclization of Peptides. *Journal of Organic Chemistry*, **2018**, 83, 9119-9124 | 4.2 | 0 |
| 176 | Synthesis of α-Borylated Ketones by Regioselective Wacker Oxidation of Alkenylboronates. *Organic Letters*, **2018**, 20, 5300-5303 | 6.2 | 24 |

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|---|---|---|---|
| 175 | Development of Endocyclic Control Elements for Peptide Macrocycles. *Journal of the American Chemical Society*, **2018**, 140, 8763-8770 | 16.4 | 32 |
| 174 | Borylated reagents for multicomponent reactions. *Drug Discovery Today: Technologies*, **2018**, 29, 51-60 | 7.1 | 9 |
| 173 | Reversible covalent interactions of α-aminoboronic acids with carbohydrate derivatives. *Chemical Communications*, **2017**, 53, 1809-1812 | 5.8 | 16 |
| 172 | Oxalyl Boronates Enable Modular Synthesis of Bioactive Imidazoles. *Angewandte Chemie - International Edition*, **2017**, 56, 6264-6267 | 16.4 | 54 |
| 171 | 3-Cyanoallyl boronates are versatile building blocks in the synthesis of polysubstituted thiophenes. *Chemical Science*, **2017**, 8, 4431-4436 | 9.4 | 17 |
| 170 | Amphoteric Borylketenimines: Versatile Intermediates in the Synthesis of Borylated Heterocycles. *Chemistry - A European Journal*, **2017**, 23, 9711-9715 | 4.8 | 13 |
| 169 | Solid-phase synthesis, cyclization, and site-specific functionalization of aziridine-containing tetrapeptides. *Nature Protocols*, **2017**, 12, 1277-1287 | 18.8 | 6 |
| 168 | Oxalyl Boronates Enable Modular Synthesis of Bioactive Imidazoles. *Angewandte Chemie*, **2017**, 129, 6360-6363 | 3.6 | 24 |
| 167 | Activation of Alkynylzinc Reagents by a Hemiaminal-Driven Catalytic Microenvironment. *European Journal of Organic Chemistry*, **2017**, 2017, 419-423 | 3.2 | 5 |
| 166 | Borylated oximes: versatile building blocks for organic synthesis. *Chemical Communications*, **2017**, 53, 11237-11240 | 5.8 | 7 |
| 165 | α-MIDA Boryl Epoxide **2017**, 1-2 | | 0 |
| 164 | The versatility of boron in biological target engagement. *Nature Chemistry*, **2017**, 9, 731-742 | 17.6 | 154 |
| 163 | Cyclols Revisited: Facile Synthesis of Medium-Sized Cyclic Peptides. *Chemistry - A European Journal*, **2017**, 23, 13319-13322 | 4.8 | 30 |
| 162 | Vibrational Circular Dichroism Unveils Chiroptical, Electrical, and Magnetic Properties of Borylated Isocyanides and Aldehydes. *European Journal of Organic Chemistry*, **2017**, 2017, 5262-5268 | 3.2 | 0 |
| 161 | Recent advances in the synthesis of cyclic pseudopeptides. *Drug Discovery Today: Technologies*, **2017**, 26, 3-10 | 7.1 | 9 |
| 160 | Multicomponent mapping of boron chemotypes furnishes selective enzyme inhibitors. *Nature Communications*, **2017**, 8, 1760 | 17.4 | 19 |
| 159 | Synthesis of Aminoboronic Acid Derivatives from Amines and Amphoteric Boryl Carbonyl Compounds. *Angewandte Chemie*, **2016**, 128, 12849-12853 | 3.6 | 20 |
| 158 | Synthesis of Aminoboronic Acid Derivatives from Amines and Amphoteric Boryl Carbonyl Compounds. *Angewandte Chemie - International Edition*, **2016**, 55, 12659-63 | 16.4 | 56 |

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| 157 | A Study of Boratriazaroles: An Underdeveloped Class of Heterocycles. *Journal of Organic Chemistry*, **2016**, 81, 10444-10453 | 4.2 | 6 |
| 156 | The effect of backbone flexibility on site-selective modification of macrocycles. *Organic and Biomolecular Chemistry*, **2016**, 14, 10230-10237 | 3.9 | 7 |
| 155 | Oxadiazole grafts in peptide macrocycles. *Nature Chemistry*, **2016**, 8, 1105-1111 | 17.6 | 105 |
| 154 | The reactivity and conformational control of cyclic tetrapeptides derived from aziridine-containing amino acids. *Chemical Science*, **2016**, 7, 6662-6668 | 9.4 | 15 |
| 153 | A Linchpin Synthesis of 6-Hydroxyceramides from Aziridine Aldehydes. *Organic Letters*, **2016**, 18, 6268-6271 | 6.1 | 8 |
| 152 | Rational Design of Calpain Inhibitors Based on Calpastatin Peptidomimetics. *Journal of Medicinal Chemistry*, **2016**, 59, 5403-15 | 8.3 | 13 |
| 151 | Synthesis of Chiral Piperazinones Using Amphoteric Aziridine Aldehyde Dimers and Functionalized Isocyanides. *Journal of Organic Chemistry*, **2016**, 81, 5209-16 | 4.2 | 10 |
| 150 | Passive Membrane Permeability of Macrocycles Can Be Controlled by Exocyclic Amide Bonds. *Journal of Medicinal Chemistry*, **2016**, 59, 5368-76 | 8.3 | 36 |
| 149 | Mechanistic investigation of aziridine aldehyde-driven peptide macrocyclization: the imidoanhydride pathway. *Chemical Science*, **2015**, 6, 5446-5455 | 9.4 | 25 |
| 148 | Twisted amide electrophiles enable cyclic peptide sequencing. *Organic and Biomolecular Chemistry*, **2015**, 13, 7384-8 | 3.9 | 8 |
| 147 | Disulfide-bridged peptide macrobicycles from nature. *Organic and Biomolecular Chemistry*, **2015**, 13, 8768-79 | 3.9 | 24 |
| 146 | Facile synthesis of borofragments and their evaluation in activity-based protein profiling. *Chemical Communications*, **2015**, 51, 3608-11 | 5.8 | 21 |
| 145 | Amphoteric Boryl Aldehyde Linchpins in the Synthesis of Heterocycles. *ACS Catalysis*, **2015**, 5, 5373-5379 | 13.1 | 51 |
| 144 | Access to Cyclic Amino Boronates via Rhodium-Catalyzed Functionalization of Alkyl MIDA Boronates. *Organic Letters*, **2015**, 17, 5764-7 | 6.2 | 20 |
| 143 | Condensation-Driven Assembly of Boron-Containing Bis(Heteroaryl) Motifs Using a Linchpin Approach. *Organic Letters*, **2015**, 17, 5594-7 | 6.2 | 62 |
| 142 | Macrocycles: lessons from the distant past, recent developments, and future directions. *Chemical Science*, **2015**, 6, 30-49 | 9.4 | 303 |
| 141 | Synthesis of Previously Inaccessible Borylated Heterocycle Motifs Using Novel Boron-Containing Amphoteric Molecules. *Angewandte Chemie*, **2015**, 127, 9166-9169 | 3.6 | 18 |
| 140 | Solid-Phase Parallel Synthesis of Functionalised Medium-to-Large Cyclic Peptidomimetics through Three-Component Coupling Driven by Aziridine Aldehyde Dimers. *Chemistry - A European Journal*, **2015**, 21, 9249-55 | 4.8 | 26 |

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| 139 | Synthesis of Previously Inaccessible Borylated Heterocycle Motifs Using Novel Boron-Containing Amphoteric Molecules. *Angewandte Chemie - International Edition*, **2015**, 54, 9038-41 | 16.4 | 33 |
| 138 | Macrocyclic templates for library synthesis of peptido-conjugates. *Methods in Molecular Biology*, **2015**, 1248, 67-80 | 1.4 | 10 |
| 137 | Efficient Preparation of α-Aminoboronic Acid Derivatives via Boroalkyl Group Migration. *Synthesis*, **2014**, 46, 445-454 | 2.9 | 5 |
| 136 | Air- and moisture-stable amphoteric molecules: enabling reagents in synthesis. *Accounts of Chemical Research*, **2014**, 47, 1029-40 | 24.3 | 76 |
| 135 | Shifting the energy landscape of multicomponent reactions using aziridine aldehyde dimers: a mechanistic study. *Journal of Organic Chemistry*, **2014**, 79, 9465-71 | 4.2 | 20 |
| 134 | Stereocontrolled disruption of the Ugi reaction toward the production of chiral piperazinones: substrate scope and process development. *Journal of Organic Chemistry*, **2014**, 79, 9948-57 | 4.2 | 21 |
| 133 | Site-specific integration of amino acid fragments into cyclic peptides. *Journal of the American Chemical Society*, **2014**, 136, 3728-31 | 16.4 | 43 |
| 132 | Predicting cyclic peptide chemical shifts using quantum mechanical calculations. *Tetrahedron*, **2014**, 70, 7655-7663 | 2.4 | 13 |
| 131 | Small heterocycles in multicomponent reactions. *Chemical Reviews*, **2014**, 114, 8323-59 | 68.1 | 641 |
| 130 | Solid-phase synthesis of piperazinones via disrupted Ugi condensation. *Organic Letters*, **2014**, 16, 4674-7 | 6.2 | 12 |
| 129 | α-Borylcarbonyl compounds: from transient intermediates to robust building blocks. *Dalton Transactions*, **2014**, 43, 11434-51 | 4.3 | 46 |
| 128 | Development of the direct Suzuki-Miyaura cross-coupling of primary B-alkyl MIDA-boronates and aryl bromides. *Organic Letters*, **2014**, 16, 1338-41 | 6.2 | 42 |
| 127 | Boron-containing enamine and enamide linchpins in the synthesis of nitrogen heterocycles. *Journal of the American Chemical Society*, **2014**, 136, 17669-73 | 16.4 | 58 |
| 126 | Bicycle synthesis through peptide macrocyclization using aziridine aldehydes followed by late stage disulfide bond installation. *MedChemComm*, **2013**, 4, 1124-1128 | 5 | 17 |
| 125 | Stereocontrolled synthesis of 1,2- and 1,3-diamine building blocks from aziridine aldehyde dimers. *Journal of Organic Chemistry*, **2013**, 78, 11637-45 | 4.2 | 38 |
| 124 | Achieving control over the branched/linear selectivity in palladium-catalyzed allylic amination. *Journal of Organic Chemistry*, **2013**, 78, 1559-75 | 4.2 | 36 |
| 123 | Synthesis of multisubstituted pyridines. *Organic Letters*, **2013**, 15, 334-7 | 6.2 | 58 |
| 122 | Exocyclic control of turn induction in macrocyclic peptide scaffolds. *Chemistry - A European Journal*, **2013**, 19, 17668-72 | 4.8 | 48 |

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| 121 | □Boryl isocyanides enable facile preparation of bioactive boropeptides. *Angewandte Chemie - International Edition*, **2013**, 52, 8411-5 | 16.4 | 68 |
| 120 | □Boryl Isocyanides Enable Facile Preparation of Bioactive Boropeptides. *Angewandte Chemie*, **2013**, 125, 8569-8573 | 3.6 | 19 |
| 119 | Combinatorial Synthesis of Peptidomimetics Using Digital Microfluidics. *Journal of Flow Chemistry*, **2012**, 2, 103-107 | 3.3 | 24 |
| 118 | A versatile scaffold for site-specific modification of cyclic tetrapeptides. *Organic Letters*, **2012**, 14, 2898-901 | 6.2 | 27 |
| 117 | Oxidative Geminal Functionalization of Organoboron Compounds. *Angewandte Chemie*, **2012**, 124, 11254-11258 | 3.6 | 94 |
| 116 | Bending rigid molecular rods: formation of oligoproline macrocycles. *Chemistry - A European Journal*, **2012**, 18, 15612-7 | 4.8 | 23 |
| 115 | Conformational modulation of in vitro activity of cyclic RGD peptides via aziridine aldehyde-driven macrocyclization chemistry. *Bioconjugate Chemistry*, **2012**, 23, 1387-95 | 6.3 | 34 |
| 114 | Oxidative geminal functionalization of organoboron compounds. *Angewandte Chemie - International Edition*, **2012**, 51, 11092-6 | 16.4 | 76 |
| 113 | Chemoselective palladium-catalyzed □allylation of □boryl aldehydes. *Organic and Biomolecular Chemistry*, **2012**, 10, 7900-2 | 3.9 | 21 |
| 112 | Role of reversible dimerization in reactions of amphoteric aziridine aldehydes. *Journal of Organic Chemistry*, **2012**, 77, 5613-23 | 4.2 | 23 |
| 111 | Boroalkyl group migration provides a versatile entry into □aminoboronic acid derivatives. *Journal of the American Chemical Society*, **2012**, 134, 9926-9 | 16.4 | 68 |
| 110 | Convergent synthesis of aminomethylene peptidomimetics. *Nature Protocols*, **2012**, 7, 1327-34 | 18.8 | 11 |
| 109 | Aziridine-2-carboxaldehyde Dimers Undergo Homo-Ugi 4-Component-5-center Reactions. *Synthesis*, **2012**, 44, 2851-2858 | 2.9 | 9 |
| 108 | Contemporary strategies for peptide macrocyclization. *Nature Chemistry*, **2011**, 3, 509-24 | 17.6 | 729 |
| 107 | Amphoteric □boryl aldehydes. *Journal of the American Chemical Society*, **2011**, 133, 13770-3 | 16.4 | 119 |
| 106 | The Effect of Strain on the RhI-Catalyzed Rearrangement of Allylamines. *European Journal of Organic Chemistry*, **2011**, 2011, 553-561 | 3.2 | 3 |
| 105 | Skeletal Fusion of Small Heterocycles with Amphoteric Molecules. *Angewandte Chemie*, **2011**, 123, 12002-12006 | 3.6 | |
| 104 | Palladium-catalyzed ring-contraction and ring-expansion reactions of cyclic allyl amines. *Angewandte Chemie - International Edition*, **2011**, 50, 5924-6 | 16.4 | 59 |

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| 103 | Skeletal fusion of small heterocycles with amphoteric molecules. *Angewandte Chemie - International Edition*, **2011**, 50, 11798-802 | 16.4 | 26 |
| 102 | Solvatochromic reagents for multicomponent reactions and their utility in the development of cell-permeable macrocyclic peptide vectors. *Chemistry - A European Journal*, **2011**, 17, 12257-61 | 4.8 | 34 |
| 101 | Conformational study of 9-dehydro-9-trifluoromethyl cinchona alkaloids via 19F NMR spectroscopy: emergence of trifluoromethyl moiety as a conformational stabilizer and a probe. *Journal of the American Chemical Society*, **2011**, 133, 9992-5 | 16.4 | 32 |
| 100 | Synthesis of peptide macrocycles using unprotected amino aldehydes. *Nature Protocols*, **2010**, 5, 1813-22 | 18.8 | 43 |
| 99 | Unprotected vinyl aziridines: facile synthesis and cascade transformations. *Organic Letters*, **2010**, 12, 240-3 | 6.2 | 63 |
| 98 | Macrocyclization of linear peptides enabled by amphoteric molecules. *Journal of the American Chemical Society*, **2010**, 132, 2889-91 | 16.4 | 189 |
| 97 | Chemoselective peptidomimetic ligation using thioacid peptides and aziridine templates. *Journal of the American Chemical Society*, **2010**, 132, 10986-7 | 16.4 | 51 |
| 96 | Synthesis of Saturated Five-Membered Nitrogen Heterocycles via Pd-Catalyzed C?N Bond-Forming Reactions **2010**, 1-34 | | 3 |
| 95 | Carbon?Heteroatom Bond Formation by RhI-Catalyzed Ring-Opening Reactions **2010**, 411-436 | | 4 |
| 94 | Gold-Catalyzed Addition of Nitrogen and Sulfur Nucleophiles to C?C Multiple Bonds **2010**, 437-461 | | 3 |
| 93 | Gold-Catalyzed Addition of Oxygen Nucleophiles to C?C Multiple Bonds **2010**, 463-492 | | 6 |
| 92 | Transition Metal Catalyzed Approaches to Lactones Involving C?O Bond Formation **2010**, 35-68 | | |
| 91 | The Formation of Csp2?S and Csp2?Se Bonds by Substitution and Addition Reactions Catalyzed by Transition Metal Complexes **2010**, 69-118 | | 1 |
| 90 | Palladium Catalysis for Oxidative 1,2-Difunctionalization of Alkenes **2010**, 119-135 | | 15 |
| 89 | Rhodium-Catalyzed C?H Aminations **2010**, 137-155 | | 5 |
| 88 | The Palladium-Catalyzed Synthesis of Aromatic Heterocycles **2010**, 157-198 | | |
| 87 | New Reactions of Copper Acetylides: Catalytic Dipolar Cycloadditions and Beyond **2010**, 199-225 | | |
| 86 | Transition Metal-Catalyzed Synthesis of Monocyclic Five-Membered Aromatic Heterocycles **2010**, 227-316 | | 4 |

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| 85 | Transition Metal-Catalyzed Synthesis of Fused Five-Membered Aromatic Heterocycles **2010**, 317-410 | | 4 |
| 84 | Synthesis of highly substituted cyclobutane fused-ring systems from N-vinyl beta-lactams through a one-pot domino process. *Chemistry - A European Journal*, **2010**, 16, 4100-9 | 4.8 | 11 |
| 83 | Synchronized Synthesis of Peptide-Based Macrocycles by Digital Microfluidics. *Angewandte Chemie*, **2010**, 122, 8807-8811 | 3.6 | 11 |
| 82 | Innentitelbild: Synchronized Synthesis of Peptide-Based Macrocycles by Digital Microfluidics (Angew. Chem. 46/2010). *Angewandte Chemie*, **2010**, 122, 8716-8716 | 3.6 | |
| 81 | Chemoselectivity and the curious reactivity preferences of functional groups. *Angewandte Chemie - International Edition*, **2010**, 49, 262-310 | 16.4 | 223 |
| 80 | Inside Cover: Synchronized Synthesis of Peptide-Based Macrocycles by Digital Microfluidics (Angew. Chem. Int. Ed. 46/2010). *Angewandte Chemie - International Edition*, **2010**, 49, 8536-8536 | 16.4 | |
| 79 | Cyclohexene Imine **2010**, 161-169 | | 2 |
| 78 | A DFT investigation into the origin of regioselectivity in palladium-catalyzed allylic amination. *Canadian Journal of Chemistry*, **2009**, 87, 54-62 | 0.9 | 16 |
| 77 | [18F]Fluoroamines via ring-opening of N-Cbz-2-methylaziridine with [18F]-fluoride. *Tetrahedron Letters*, **2009**, 50, 544-547 | 2 | 19 |
| 76 | An improved radiosynthesis of the muscarinic M2 radiopharmaceutical, [18F]FP-TZTP. *Applied Radiation and Isotopes*, **2009**, 67, 611-6 | 1.7 | 19 |
| 75 | Synthesis of aminocyclobutanes through ring expansion of N-vinyl-beta-lactams. *Organic Letters*, **2009**, 11, 1281-4 | 6.2 | 36 |
| 74 | Amphoteric amino aldehydes reroute the aza-Michael reaction. *Journal of the American Chemical Society*, **2009**, 131, 16404-6 | 16.4 | 42 |
| 73 | A method for fabricating microfluidic electrochemical reactors. *Lab on A Chip*, **2009**, 9, 2395-7 | 7.2 | 14 |
| 72 | Cycloaddition/Ring opening reaction sequences of N-alkenyl aziridines: influence of the aziridine nitrogen on stereoselectivity. *Organic Letters*, **2008**, 10, 57-60 | 6.2 | 18 |
| 71 | Stereoselective isomerisation of N-allyl aziridines into geometrically stable Z enamines by using rhodium hydride catalysis. *Chemistry - A European Journal*, **2008**, 14, 886-94 | 4.8 | 38 |
| 70 | Synthesis of Chiral Amines Using □Amino Aldehydes. *European Journal of Organic Chemistry*, **2008**, 2008, 5201-5213 | 3.2 | 37 |
| 69 | Amphoteric amino aldehydes enable rapid assembly of unprotected amino alcohols. *Angewandte Chemie - International Edition*, **2008**, 47, 4188-91 | 16.4 | 35 |
| 68 | Aromatic fluorine as a versatile control element for the construction of molecules with helical chirality. *Angewandte Chemie - International Edition*, **2008**, 47, 7009-12 | 16.4 | 36 |

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| 67 | Chasing the proton culprit from palladium-catalyzed allylic amination. *Journal of the American Chemical Society*, **2007**, 129, 14172-3 | 16.4 | 74 |
| 66 | Construction of three contiguous tertiary stereocenters from aziridines in one step. *Organic Letters*, **2007**, 9, 4677-80 | 6.2 | 25 |
| 65 | Epimerization- and protecting-group-free synthesis of peptidomimetic conjugates from amphoteric amino aldehydes. *Journal of the American Chemical Society*, **2007**, 129, 14152-3 | 16.4 | 29 |
| 64 | Overcoming the demons of protecting groups with amphoteric molecules. *Chemistry - A European Journal*, **2007**, 13, 6538-42 | 4.8 | 27 |
| 63 | Polyfluorinated phosphine ligands in the room temperature Suzuki cross-coupling reactions. *Tetrahedron Letters*, **2007**, 48, 8048-8051 | 2 | 2 |
| 62 | Facile Generation and Synthetic Utility of Nitrogen-Centered Aziridinyl Radicals. *Synlett*, **2007**, 2007, 2912-2918 | 2.2 | 2 |
| 61 | Preparation and reactivity of versatile alpha-amino ketones. *Journal of Organic Chemistry*, **2007**, 72, 1737-41 | 4.1 | 12 |
| 60 | Asymmetric Synthesis of Epoxides and Aziridines from Aldehydes and Imines **2006**, 1-35 | | 25 |
| 59 | The Biosynthesis of Epoxides **2006**, 349-398 | | 13 |
| 58 | Aziridine Natural Products Discovery, Biological Activity and Biosynthesis **2006**, 399-442 | | 31 |
| 57 | Epoxides and Aziridines in Click Chemistry **2006**, 443-477 | | 13 |
| 56 | Vinylaziridines in Organic Synthesis **2006**, 37-71 | | 16 |
| 55 | Asymmetric Syntheses with Aziridinecarboxylate and Aziridinephosphonate Building Blocks **2006**, 73-115 | | 17 |
| 54 | Synthesis of Aziridines **2006**, 117-144 | | 25 |
| 53 | Metalated Epoxides and Aziridines in Synthesis **2006**, 145-184 | | 28 |
| 52 | Metal-catalyzed Synthesis of Epoxides **2006**, 185-228 | | 9 |
| 51 | Catalytic Asymmetric Epoxide Ring-opening Chemistry **2006**, 229-269 | | 51 |
| 50 | Epoxides in Complex Molecule Synthesis **2006**, 271-313 | | 22 |

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| 49 | Vinylepoxides in Organic Synthesis **2006**, 315-347 | | 37 |
| 48 | Advances in nitrogen transfer reactions involving aziridines. *Accounts of Chemical Research*, **2006**, 39, 194-206 | 24.3 | 353 |
| 47 | Highly regioselective transformation of alkenyl bromides into alpha-bromoaziridines and alpha-bromohydrazones. *Organic Letters*, **2006**, 8, 2011-4 | 6.2 | 38 |
| 46 | Palladium-catalyzed oxidative activation of arylcyclopropanes. *Organic Letters*, **2006**, 8, 5829-32 | 6.2 | 54 |
| 45 | Rhodium-catalyzed stereoselective formation of Z-enamines from allylaziridines. *Journal of the American Chemical Society*, **2006**, 128, 11754-5 | 16.4 | 20 |
| 44 | Strained enamines as versatile intermediates for stereocontrolled construction of nitrogen heterocycles. *Journal of Organic Chemistry*, **2006**, 71, 6067-73 | 4.2 | 25 |
| 43 | Making carbon-nitrogen bonds in biological and chemical synthesis. *Nature Chemical Biology*, **2006**, 2, 284-7 | 11.7 | 566 |
| 42 | Facile preparation of allyl amines and pyrazoles by hydrazinolysis of 2-ketoaziridines. *Tetrahedron Letters*, **2006**, 47, 255-259 | 2 | 23 |
| 41 | Readily available unprotected amino aldehydes. *Journal of the American Chemical Society*, **2006**, 128, 14772-3 | 16.4 | 91 |
| 40 | New insights into the mechanism of palladium-catalyzed allylic amination. *Journal of the American Chemical Society*, **2005**, 127, 17516-29 | 16.4 | 114 |
| 39 | Novel nitrogen containing chelating ligands from aziridines ? Preparation, coordination studies, and catalytic application in the cyclopropanation of styrene. *Canadian Journal of Chemistry*, **2005**, 83, 1025-1032 | 0.9 | 1 |
| 38 | Transition metal-catalyzed synthesis and reactivity of N-alkenyl aziridines. *Organic Letters*, **2005**, 7, 1161-4 | 6.2 | 43 |
| 37 | Development of electrochemical processes for nitrene generation and transfer. *Journal of Organic Chemistry*, **2005**, 70, 932-7 | 4.2 | 49 |
| 36 | Polyfluorinated Binaphthol Ligands in Asymmetric Catalysis. *ACS Symposium Series*, **2005**, 288-302 | 0.4 | 0 |
| 35 | Unusual selectivity of unprotected aziridines in palladium-catalyzed allylic amination enables facile preparation of branched aziridines. *Journal of the American Chemical Society*, **2004**, 126, 5086-7 | 16.4 | 60 |
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