Andrei K Yudin

List of Publications by Year
in descending order

204	12,238	41258 49	30848 102
papers	citations	h-index	g-index

236	236	236	9816
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Perfluoroalkylation with Organosilicon Reagents. Chemical Reviews, 1997, 97, 757-786.	23.0	972
2	Contemporary strategies for peptide macrocyclization. Nature Chemistry, 2011, 3, 509-524.	6.6	865
3	Modified BINOL Ligands in Asymmetric Catalysis. Chemical Reviews, 2003, 103, 3155-3212.	23.0	855
4	Small Heterocycles in Multicomponent Reactions. Chemical Reviews, 2014, 114, 8323-8359.	23.0	790
5	Making carbon-nitrogen bonds in biological and chemical synthesis. Nature Chemical Biology, 2006, 2, 284-287.	3.9	680
6	Advances in Nitrogen Transfer Reactions Involving Aziridines. Accounts of Chemical Research, 2006, 39, 194-206.	7.6	395
7	Macrocycles: lessons from the distant past, recent developments, and future directions. Chemical Science, 2015, 6, 30-49.	3.7	383
8	Chemoselectivity and the Curious Reactivity Preferences of Functional Groups. Angewandte Chemie - International Edition, 2010, 49, 262-310.	7.2	257
9	The versatility of boron in biological target engagement. Nature Chemistry, 2017, 9, 731-742.	6.6	229
10	Macrocyclization of Linear Peptides Enabled by Amphoteric Molecules. Journal of the American Chemical Society, 2010, 132, 2889-2891.	6.6	215
11	Practical Olefin Aziridination with a Broad Substrate Scope. Journal of the American Chemical Society, 2002, 124, 530-531.	6.6	159
12	Amphoteric Î±-Boryl Aldehydes. Journal of the American Chemical Society, 2011, 133, 13770-13773.	6.6	153
13	A Simple and Efficient Method for the Preparation of Pyridine N-Oxides. Journal of Organic Chemistry, 1998, 63, 1740-1741.	1.7	151
14	New Insights into the Mechanism of Palladium-Catalyzed Allylic Amination. Journal of the American Chemical Society, 2005, 127, 17516-17529.	6.6	132
15	Oxadiazole grafts in peptide macrocycles. Nature Chemistry, 2016, 8, 1105-1111.	6.6	132
16	Preparation of and Fluoroalkylation with (Chlorodifluoromethyl)trimethylsilane, Difluorobis(trimethylsilyl)methane, and 1,1,2,2-Tetrafluoro-1,2-bis(trimethylsilyl)ethane. Journal of the American Chemical Society, 1997, 119, 1572-1581.	6.6	115
17	Facile Preparation of Fluorine-containing Alkenes, Amides and Alcohols via the Electrophilic Fluorination of Alkenyl Boronic Acids and Trifluoroborates. Synlett, 1997, 1997, 606-608.	1.0	104
18	Oxidative Geminal Functionalization of Organoboron Compounds. Angewandte Chemie - International Edition, 2012, 51, 11092-11096.	7.2	98

#	Article	IF	Citations
19	Readily Available Unprotected Amino Aldehydes. Journal of the American Chemical Society, 2006, 128, 14772-14773.	6.6	97
20	Efficient Epoxidation of Alkenes with Aqueous Hydrogen Peroxide Catalyzed by Methyltrioxorhenium and 3-Cyanopyridine. Journal of Organic Chemistry, 2000, 65, 8651-8658.	1.7	94
21	Ring-Opening Reactions of Nonactivated Aziridines Catalyzed by Tris(pentafluorophenyl)borane. Journal of Organic Chemistry, 2003, 68, 5160-5167.	1.7	89
22	Air- and Moisture-Stable Amphoteric Molecules: Enabling Reagents in Synthesis. Accounts of Chemical Research, 2014, 47, 1029-1040.	7.6	88
23	Chasing the Proton Culprit from Palladium-Catalyzed Allylic Amination. Journal of the American Chemical Society, 2007, 129, 14172-14173.	6.6	86
24	Conformational Control of Macrocycles by Remote Structural Modification. Chemical Reviews, 2019, 119, 9724-9752.	23.0	85
25	Boroalkyl Group Migration Provides a Versatile Entry into Î±-Aminoboronic Acid Derivatives. Journal of the American Chemical Society, 2012, 134, 9926-9929.	6.6	78
26	Unusual Selectivity of Unprotected Aziridines in Palladium-Catalyzed Allylic Amination Enables Facile Preparation of Branched Aziridines. Journal of the American Chemical Society, 2004, 126, 5086-5087.	6.6	76
27	Condensation-Driven Assembly of Boron-Containing Bis(Heteroaryl) Motifs Using a Linchpin Approach. Organic Letters, 2015, 17, 5594-5597.	2.4	75
28	Heteroaryl Rings in Peptide Macrocycles. Chemical Reviews, 2019, 119, 10032-10240.	23.0	75
29	Î±â€Boryl Isocyanides Enable Facile Preparation of Bioactive Boropeptides. Angewandte Chemie - International Edition, 2013, 52, 8411-8415.	7.2	74
30	Oxalyl Boronates Enable Modular Synthesis of Bioactive Imidazoles. Angewandte Chemie - International Edition, 2017, 56, 6264-6267.	7.2	74
31	Generation of Highly Enantioselective Catalysts from the Pseudoenatiomeric Assembly of BINOL, F8BINOL, and Ti(OiPr)4. Journal of the American Chemical Society, 2001, 123, 3850-3851.	6.6	72
32	Synthesis of Multisubstituted Pyridines. Organic Letters, 2013, 15, 334-337.	2.4	69
33	Synthesis of Aminoboronic Acid Derivatives from Amines and Amphoteric Boryl Carbonyl Compounds. Angewandte Chemie - International Edition, 2016, 55, 12659-12663.	7.2	69
34	Boron-Containing Enamine and Enamide Linchpins in the Synthesis of Nitrogen Heterocycles. Journal of the American Chemical Society, 2014, 136, 17669-17673.	6.6	68
35	F8BINOL, an Electronically Perturbed Version of BINOL with Remarkable Configurational Stability. Organic Letters, 2000, 2, 41-44.	2.4	67
36	Unprotected Vinyl Aziridines: Facile Synthesis and Cascade Transformations. Organic Letters, 2010, 12, 240-243.	2.4	67

#	Article	IF	Citations
37	Palladium-Catalyzed Oxidative Activation of Arylcyclopropanes. Organic Letters, 2006, 8, 5829-5832.	2.4	66
38	Palladiumâ€Catalyzed Ringâ€Contraction and Ringâ€Expansion Reactions of Cyclic Allyl Amines. Angewandte Chemie - International Edition, 2011, 50, 5924-5926.	7.2	66
39	Parallel Electrosynthesis of Î±-Alkoxycarbamates, Î±-Alkoxyamides, and Î±-Alkoxysulfonamides Using the Spatially Addressable Electrolysis Platform (SAEP). ACS Combinatorial Science, 2000, 2, 545-549.	3.3	64
40	Catalytic Asymmetric Epoxide Ring-opening Chemistry. , 2006, , 229-269.		62
41	Amphoteric Î±-Boryl Aldehyde Linchpins in the Synthesis of Heterocycles. ACS Catalysis, 2015, 5, 5373-5379.	5.5	62
42	Design and Development of Cyclohexane-Based P,N-Ligands for Transition Metal Catalysis. Organic Letters, 2002, 4, 2597-2600.	2.4	59
43	N-Arylation of Aziridines. Journal of Organic Chemistry, 2003, 68, 2045-2047.	1.7	58
44	Oxidative Cycloamination of Olefins with Aziridines as a Versatile Route to Saturated Nitrogen-Containing Heterocycles. Journal of the American Chemical Society, 2003, 125, 14242-14243.	6.6	58
45	Development of Electrochemical Processes for Nitrene Generation and Transfer. Journal of Organic Chemistry, 2005, 70, 932-937.	1.7	58
46	Bis(trimethylsilyl) Peroxide Extends the Range of Oxorhenium Catalysts for Olefin Epoxidation. Journal of the American Chemical Society, 1997, 119, 11536-11537.	6.6	57
47	Exocyclic Control of Turn Induction in Macrocyclic Peptide Scaffolds. Chemistry - A European Journal, 2013, 19, 17668-17672.	1.7	56
48	Î±-Borylcarbonyl compounds: from transient intermediates to robust building blocks. Dalton Transactions, 2014, 43, 11434-11451.	1.6	54
49	Chemoselective Peptidomimetic Ligation Using Thioacid Peptides and Aziridine Templates. Journal of the American Chemical Society, 2010, 132, 10986-10987.	6.6	53
50	Electrochemical Imination of Sulfoxides UsingN-Aminophthalimide. Organic Letters, 2002, 4, 1839-1842.	2.4	52
51	Development of the Direct Suzukiâ€“Miyaura Cross-Coupling of Primary B-Alkyl MIDA-boronates and Aryl Bromides. Organic Letters, 2014, 16, 1338-1341.	2.4	51
52	Amine hemilability enables boron to mechanistically resemble either hydride or proton. Nature Chemistry, 2018, 10, 1062-1070.	6.6	50
53	Trihalomethyl Cations and Their Superelectrophilic Activation1. Journal of the American Chemical Society, 1996, 118, 1446-1451.	6.6	49
54	Transition Metal-Catalyzed Synthesis and Reactivity ofN-Alkenyl Aziridines. Organic Letters, 2005, 7, 1161-1164.	2.4	48

#	Article	IF	Citations
55	Stereoselective Isomerisation of Nâ€Allyl Aziridines into Geometrically Stable Z Enamines by Using Rhodium Hydride Catalysis. Chemistry - A European Journal, 2008, 14, 886-894.	1.7	48
56	Achieving Control over the Branched/Linear Selectivity in Palladium-Catalyzed Allylic Amination. Journal of Organic Chemistry, 2013, 78, 1559-1575.	1.7	48
57	Site-Specific Integration of Amino Acid Fragments into Cyclic Peptides. Journal of the American Chemical Society, 2014, 136, 3728-3731.	6.6	48
58	Passive Membrane Permeability of Macrocycles Can Be Controlled by Exocyclic Amide Bonds. Journal of Medicinal Chemistry, 2016, 59, 5368-5376.	2.9	48
59	Development of Endocyclic Control Elements for Peptide Macrocycles. Journal of the American Chemical Society, 2018, 140, 8763-8770.	6.6	47
60	Combinatorial electrochemistry. Current Opinion in Chemical Biology, 2001, 5, 269-272.	2.8	46
61	Highly Regioselective Transformation of Alkenyl Bromides into Î±-Bromoaziridines and Î±-Bromohydrazones. Organic Letters, 2006, 8, 2011-2014.	2.4	46
62	Synthesis of peptide macrocycles using unprotected amino aldehydes. Nature Protocols, 2010, 5, 1813-1822.	5.5	46
63	Cyclols Revisited: Facile Synthesis of Mediumâ€Sized Cyclic Peptides. Chemistry - A European Journal, 2017, 23, 13319-13322.	1.7	46
64	Vinylepoxides in Organic Synthesis. , 2006, , 315-347.		45
65	Synthesis of Aminocyclobutanes through Ring Expansion of N-Vinyl-Î²-Lactams. Organic Letters, 2009, 11, 1281-1284.	2.4	45
66	Stereocontrolled Synthesis of 1,2- and 1,3-Diamine Building Blocks from Aziridine Aldehyde Dimers. Journal of Organic Chemistry, 2013, 78, 11637-11645.	1.7	44
67	Î±-Aminoboronates: recent advances in their preparation and synthetic applications. Chemical Society Reviews, 2021, 50, 12151-12188.	18.7	44
68	Amphoteric Amino Aldehydes Reroute the Aza-Michael Reaction. Journal of the American Chemical Society, 2009, 131, 16404-16406.	6.6	42
69	Synthesis of Chiral Amines Using Î±â€Amino Aldehydes. European Journal of Organic Chemistry, 2008, 2008, 5201-5213.	1.2	41
70	Amphoteric Amino Aldehydes Enable Rapid Assembly of Unprotected Amino Alcohols. Angewandte Chemie - International Edition, 2008, 47, 4188-4191.	7.2	40
71	Regioselective Substitution of Fluorine in F8BINOL as a Versatile Route to New Ligands with Axial Chirality. Organic Letters, 2000, 2, 3433-3436.	2.4	39
72	Aromatic Fluorine as a Versatile Control Element for the Construction of Molecules with Helical Chirality. Angewandte Chemie - International Edition, 2008, 47, 7009-7012.	7.2	38

#	Article	IF	Citations
73	A simple and efficient method for the preparation of pyridine-N-oxides II. Tetrahedron Letters, 1998, 39, 761-764.	0.7	37
74	Aziridine Natural Products - Discovery, Biological Activity and Biosynthesis. , 2006, , 399-442.		37
75	Solvatochromic Reagents for Multicomponent Reactions and their Utility in the Development of Cellâ€Permeable Macrocyclic Peptide Vectors. Chemistry - A European Journal, 2011, 17, 12257-12261.	1.7	37
76	New Approach to Rapid Generation and Screening of Diverse Catalytic Materials on Electrode Surfaces. Journal of the American Chemical Society, 2000, 122, 11787-11790.	6.6	36
77	Asymmetric Synthesis of Epoxides and Aziridines from Aldehydes and Imines. , 2006, , 1-35.		36
78	Synthesis of Î±-Borylated Ketones by Regioselective Wacker Oxidation of Alkenylboronates. Organic Letters, 2018, 20, 5300-5303.	2.4	36
79	Carboxyboronate: A Versatile C1 Building Block. Angewandte Chemie - International Edition, 2019, 58, 15148-15153.	7.2	36
80	Catalytic applications of F8BINOL: asymmetric oxidation of sulfides to sulfoxides. Journal of Organometallic Chemistry, 2000, 603, 98-104.	0.8	35
81	Conformational Modulation of in Vitro Activity of Cyclic RGD Peptides via Aziridine Aldehyde-Driven Macrocyclization Chemistry. Bioconjugate Chemistry, 2012, 23, 1387-1395.	1.8	35
82	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, 9992-9995.	6.6	34
83	Synthesis of Previously Inaccessible Borylated Heterocycle Motifs Using Novel Boronâ€Containing Amphoteric Molecules. Angewandte Chemie - International Edition, 2015, 54, 9038-9041.	7.2	34
84	Disulfide-bridged peptide macrobicycles from nature. Organic and Biomolecular Chemistry, 2015, 13, 8768-8779.	1.5	32
85	Oxalyl Boronates Enable Modular Synthesis of Bioactive Imidazoles. Angewandte Chemie, 2017, 129, 6360-6363.	1.6	32
86	Mechanistic investigation of aziridine aldehyde-driven peptide macrocyclization: the imidoanhydride pathway. Chemical Science, 2015, 6, 5446-5455.	3.7	31
87	Illuminating the dark conformational space of macrocycles using dominant rotors. Nature Chemistry, 2021, 13, 218-225.	6.6	31
88	Facile preparation of allyl amines and pyrazoles by hydrazinolysis of 2-ketoaziridines. Tetrahedron Letters, 2006, 47, 255-259.	0.7	30
89	Epoxides in Complex Molecule Synthesis. , 2006, , 271-313.		30
90	Epimerization- and Protecting-Group-Free Synthesis of Peptidomimetic Conjugates from Amphoteric Amino Aldehydes. Journal of the American Chemical Society, 2007, 129, 14152-14153.	6.6	30

#	Article	IF	Citations
91	Multicomponent mapping of boron chemotypes furnishes selective enzyme inhibitors. Nature Communications, 2017, 8, 1760.	5.8	30
92	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.	2.9	30
93	Parallel Electrosynthesis of 1,2-Diamines. ACS Combinatorial Science, 2001, 3, 554-558.	3.3	29
94	Rhodium-Catalyzed Stereoselective Formation ofZ-Enamines from Allylaziridines. Journal of the American Chemical Society, 2006, 128, 11754-11755.	6.6	29
95	Synthesis of Aziridines. , 2006, , 117-144.		28
96	Metalated Epoxides and Aziridines in Synthesis. , 2006, , 145-184.		28
97	Overcoming the Demons of Protecting Groups with Amphoteric Molecules. Chemistry - A European Journal, 2007, 13, 6538-6542.	1.7	28
98	Skeletal Fusion of Small Heterocycles with Amphoteric Molecules. Angewandte Chemie - International Edition, 2011, 50, 11798-11802.	7.2	28
99	Combinatorial Synthesis of Peptidomimetics Using Digital Microfluidics. Journal of Flow Chemistry, 2012, 2, 103-107.	1.2	28
100	A Versatile Scaffold for Site-Specific Modification of Cyclic Tetrapeptides. Organic Letters, 2012, 14, 2898-2901.	2.4	28
101	Solidâ€Phase Parallel Synthesis of Functionalised Mediumâ€toâ€Large Cyclic Peptidomimetics through Threeâ€Component Coupling Driven by Aziridine Aldehyde Dimers. Chemistry - A European Journal, 2015, 21, 9249-9255.	1.7	28
102	Access to Cyclic Amino Boronates via Rhodium-Catalyzed Functionalization of Alkyl MIDA Boronates. Organic Letters, 2015, 17, 5764-5767.	2.4	28
103	Convenient and Safe Electrochemical Synthesis of (Trifluoromethyl)trimethylsilane1a. Synlett, 1994, 1994, 1057-1058.	1.0	27
104	Strained Enamines as Versatile Intermediates for Stereocontrolled Construction of Nitrogen Heterocycles. Journal of Organic Chemistry, 2006, 71, 6067-6073.	1.7	27
105	Construction of Three Contiguous Tertiary Stereocenters from Aziridines in One Step. Organic Letters, 2007, 9, 4677-4680.	2.4	27
106	Carboxyboronate as a Versatile In Situ CO Surrogate in Palladiumâ€Catalyzed Carbonylative Transformations. Angewandte Chemie - International Edition, 2021, 60, 4342-4349.	7.2	27
107	Facile synthesis of borofragments and their evaluation in activity-based protein profiling. Chemical Communications, 2015, 51, 3608-3611.	2.2	25
108	3-Cyanoallyl boronates are versatile building blocks in the synthesis of polysubstituted thiophenes. Chemical Science, 2017, 8, 4431-4436.	3.7	25

#	Article	IF	Citations
109	Carboxyboronate: A Versatile C1 Building Block. Angewandte Chemie, 2019, 131, 15292-15297.	1.6	25
110	Reaction of Vinyl Aziridines with Arynes: Synthesis of Benzazepines and Branched Allyl Fluorides. Chemistry - A European Journal, 2020, 26, 1501-1505.	1.7	25
111	Olefin Epoxidation with Bis(trimethylsilyl) Peroxide Catalyzed by Inorganic Oxorhenium Derivatives. Controlled Release of Hydrogen Peroxide. Journal of Organic Chemistry, 2001, 66, 4713-4718.	1.7	24
112	Aziridine-derived iminophosphine ligands in palladium-catalyzed allylic substitution. Journal of Organometallic Chemistry, 2004, 689, 3604-3611.	0.8	24
113	Bending Rigid Molecular Rods: Formation of Oligoproline Macrocycles. Chemistry - A European Journal, 2012, 18, 15612-15617.	1.7	24
114	Synthesis of Aminoboronic Acid Derivatives from Amines and Amphoteric Boryl Carbonyl Compounds. Angewandte Chemie, 2016, 128, 12849-12853.	1.6	24
115	Chemoselective palladium-catalyzed Î±-allylation of Î±-boryl aldehydes. Organic and Biomolecular Chemistry, 2012, 10, 7900.	1.5	23
116	Role of Reversible Dimerization in Reactions of Amphoteric Aziridine Aldehydes. Journal of Organic Chemistry, 2012, 77, 5613-5623.	1.7	23
117	Facile Preparation of (Trifluoromethyl)tributyltin and Transtrifluoromethylation of Disilyl Sulfides to the Corresponding Trifluoromethylsilanes1. Synlett, 1996, 1996, 151-153.	1.0	22
118	Preparation and catalytic applications of partially fluorinated binaphthol ligands. Journal of Fluorine Chemistry, 2004, 125, 517-525.	0.9	22
119	Shifting the Energy Landscape of Multicomponent Reactions Using Aziridine Aldehyde Dimers: A Mechanistic Study. Journal of Organic Chemistry, 2014, 79, 9465-9471.	1.7	22
120	Modular Synthesis of Î²-Amino Boronate Peptidomimetics. Journal of Organic Chemistry, 2018, 83, 7296-7302.	1.7	22
121	Acyl metalloids: conformity and deviation from carbonyl reactivity. Chemical Science, 2021, 12, 5346-5360.	3.7	22
122	[18F]Fluoroamines via ring-opening of N-Cbz-2-methylaziridine with [18F]-fluoride. Tetrahedron Letters, 2009, 50, 544-547.	0.7	21
123	Stereocontrolled Disruption of the Ugi Reaction toward the Production of Chiral Piperazinones: Substrate Scope and Process Development. Journal of Organic Chemistry, 2014, 79, 9948-9957.	1.7	21
124	Predicting cyclic peptide chemical shifts using quantum mechanical calculations. Tetrahedron, 2014, 70, 7655-7663.	1.0	21
125	Vinylaziridines in Organic Synthesis. , 2006, , 37-71.		20
126	An improved radiosynthesis of the muscarinic M2 radiopharmaceutical, [18F]FP-TZTP. Applied Radiation and Isotopes, 2009, 67, 611-616.	0.7	20

#	Article	IF	Citations
127	Heterocycles: Versatile control elements in bioactive macrocycles. Bioorganic and Medicinal Chemistry, 2018, 26, 2774-2779.	1.4	20
128	Cycloaddition/Ring Opening Reaction Sequences of N-Alkenyl Aziridines:â€‰ Influence of the Aziridine Nitrogen on Stereoselectivity. Organic Letters, 2008, 10, 57-60.	2.4	19
129	The reactivity and conformational control of cyclic tetrapeptides derived from aziridine-containing amino acids. Chemical Science, 2016, 7, 6662-6668.	3.7	19
130	Reversible covalent interactions of Î²-aminoboronic acids with carbohydrate derivatives. Chemical Communications, 2017, 53, 1809-1812.	2.2	19
131	Achieving Skeletal Diversity in Peptide Macrocycles through The Use of Heterocyclic Grafts. Chemistry - A European Journal, 2018, 24, 7074-7082.	1.7	19
132	Interrupted reactions in chemical synthesis. Nature Reviews Chemistry, 2021, 5, 604-623.	13.8	19
133	Preparation, NMR, andabInitio/IGLO Study of Trifluoromethyl-Substituted Carboxonium Ions1. Journal of Organic Chemistry, 1996, 61, 1934-1939.	1.7	18
134	Asymmetric Syntheses with Aziridinecarboxylate and Aziridinephosphonate Building Blocks. , 2006, , 73-115.		18
135	Synthesis of Highly Substituted Cyclobutane Fusedâ€Ring Systems from Nâ€Vinyl Î²â€Lactams through a Oneâ€Pot Domino Process. Chemistry - A European Journal, 2010, 16, 4100-4109.	1.7	17
136	Bicycle synthesis through peptide macrocyclization using aziridine aldehydes followed by late stage disulfide bond installation. MedChemComm, 2013, 4, 1124-1128.	3.5	17
137	Amphoteric Borylketenimines: Versatile Intermediates in the Synthesis of Borylated Heterocycles. Chemistry - A European Journal, 2017, 23, 9711-9715.	1.7	17
138	Borylated reagents for multicomponent reactions. Drug Discovery Today: Technologies, 2018, 29, 51-60.	4.0	17
139	A DFT investigation into the origin of regioselectivity in palladium-catalyzed allylic amination. Canadian Journal of Chemistry, 2009, 87, 54-62.	0.6	16
140	p-Tolylsulfinyl Amides:â€‰ Reagents for Facile Electrophilic Functionalization of Olefins. Journal of Organic Chemistry, 2004, 69, 2584-2587.	1.7	15
141	Preparation and Reactivity of Versatile Î±-Amino Ketones. Journal of Organic Chemistry, 2007, 72, 1737-1741.	1.7	15
142	A method for fabricating microfluidic electrochemical reactors. Lab on A Chip, 2009, 9, 2395.	3.1	15
143	Rational Design of Calpain Inhibitors Based on Calpastatin Peptidomimetics. Journal of Medicinal Chemistry, 2016, 59, 5403-5415.	2.9	15
144	Synthesis of Chiral Piperazinones Using Amphoteric Aziridine Aldehyde Dimers and Functionalized Isocyanides. Journal of Organic Chemistry, 2016, 81, 5209-5216.	1.7	15

#	Article	IF	Citations
145	Synthesis of 3-aminoaspartic acid derivatives from glycine precursors. Tetrahedron Letters, 2003, 44, 4865-4868.	0.7	14
146	Solid-Phase Synthesis of Piperazinones via Disrupted Ugi Condensation. Organic Letters, 2014, 16, 4674-4677.	2.4	14
147	The Biosynthesis of Epoxides. , 2006, , 349-398.		13
148	Epoxides and Aziridines in Click Chemistry. , 2006, , 443-477.		13
149	Conformationally stable peptide macrocycles assembled using the Petasis borono-Mannich reaction. Chemical Communications, 2019, 55, 10567-10570.	2.2	13
150	Oxadiazole-Containing Macrocyclic Peptides Potentiate Azole Activity against Pathogenic Candida Species. MSphere, 2020, 5, .	1.3	12
151	Metal-catalyzed Synthesis of Epoxides. , 2006, , 185-228.		11
152	Aziridine-2-carboxaldehyde Dimers Undergo Homo-Ugi 4-Component-5-center Reactions. Synthesis, 2012, 44, 2851-2858.	1.2	11
153	Convergent synthesis of aminomethylene peptidomimetics. Nature Protocols, 2012, 7, 1327-1334.	5.5	11
154	A Linchpin Synthesis of 6-Hydroxyceramides from Aziridine Aldehydes. Organic Letters, 2016, 18, 6268-6271.	2.4	11
155	A Study of Boratriazaroles: An Underdeveloped Class of Heterocycles. Journal of Organic Chemistry, 2016, 81, 10444-10453.	1.7	11
156	Recent advances in the synthesis of cyclic pseudopeptides. Drug Discovery Today: Technologies, 2017, 26, 3-10.	4.0	11
157	Navigating complex peptide structures using macrocycle conformational maps. RSC Chemical Biology, 0, , .	2.0	11
158	Introduction: Macrocycles. Chemical Reviews, 2019, 119, 9723-9723.	23.0	10
159	Macrocyclic Templates for Library Synthesis of Peptido-Conjugates. Methods in Molecular Biology, 2015, 1248, 67-80.	0.4	10
160	Twisted amide electrophiles enable cyclic peptide sequencing. Organic and Biomolecular Chemistry, 2015, 13, 7384-7388.	1.5	9
161	Borylated oximes: versatile building blocks for organic synthesis. Chemical Communications, 2017, 53, 11237-11240.	2.2	9
162	Identification and characterization of the first fragment hits for SETDB1 Tudor domain. Bioorganic and Medicinal Chemistry, 2019, 27, 3866-3878.	1.4	9

#	Article	IF	Citations
163	Two-Dimensional Barriers for Probing Conformational Shifts in Macrocycles. Journal of the American Chemical Society, 2021, 143, 5166-5171.	6.6	9
164	Propertyâ€Driven Development of Passively Permeable Macrocyclic Scaffolds Using Heterocycles**. Angewandte Chemie - International Edition, 2022, 61, .	7.2	9
165	Improving the Kumada Catalyst Transfer Polymerization with Water-Scavenging Grignard Reagents. ACS Macro Letters, 2021, 10, 697-701.	2.3	8
166	Gold-Catalyzed Addition of Oxygen Nucleophiles to Cï£¿C Multiple Bonds. , 2010, , 463-492.		7
167	The effect of backbone flexibility on site-selective modification of macrocycles. Organic and Biomolecular Chemistry, 2016, 14, 10230-10237.	1.5	7
168	Solid-phase synthesis, cyclization, and site-specific functionalization of aziridine-containing tetrapeptides. Nature Protocols, 2017, 12, 1277-1287.	5.5	7
169	Boramidine: A Versatile Structural Motif for the Design of Fluorescent Heterocycles. Journal of the American Chemical Society, 2020, 142, 13544-13549.	6.6	7
170	Synthesis of Fluorinated Aminoalkylboronic Acids from Amphoteric Î±â€Boryl Aldehydes. Angewandte Chemie - International Edition, 2021, 60, 16366-16371.	7.2	7
171	Solidâ€phase synthesis of peptide Î²â€aminoboronic acids. Peptide Science, 2019, 111, e24072.	1.0	6
172	Amidine Functionality As a Conformational Probe of Cyclic Peptides. Organic Letters, 2020, 22, 9210-9214.	2.4	6
173	Acylboronates in Polarity-Reversed Generation of Acyl Palladium(II) Intermediates. Organic Letters, 2021, 23, 3294-3299.	2.4	6
174	Propertyâ€Driven Development of Passively Permeable Macrocyclic Scaffolds Using Heterocycles**. Angewandte Chemie, 2022, 134, .	1.6	6
175	Efficient Preparation of Î±-Aminoboronic Acid Derivatives via Boroalkyl Group Migration. Synthesis, 2014, 46, 445-454.	1.2	5
176	Activation of Alkynylzinc Reagents by a Hemiaminalâ€Driven Catalytic Microenvironment. European Journal of Organic Chemistry, 2017, 2017, 419-423.	1.2	5
177	Oxidative Rearrangement of MIDA (N-Methyliminodiacetic Acid) Boronates: Mechanistic Insights and Synthetic Applications. Organic Letters, 2021, 23, 324-328.	2.4	5
178	A Mechanistic Model for the Aziridine Aldehyde-Driven Macrocyclization of Peptides. Journal of Organic Chemistry, 2018, 83, 9119-9124.	1.7	4
179	Grafting Bis(heteroaryl) Motifs into Ring Structures. European Journal of Organic Chemistry, 2020, 2020, 5029-5033.	1.2	4
180	Synthesis of Fluorinated Aminoalkylboronic Acids from Amphoteric Î±â€Boryl Aldehydes. Angewandte Chemie, 2021, 133, 16502-16507.	1.6	4

#	Article	IF	Citations
181	Towards depeptidized aminoboronic acid derivatives through the use of borylated iminium ions. Chemical Communications, 2022, 58, 5033-5036.	2.2	4
182	Synthesis and Application of Constrained Amidoboronic Acids Using Amphoteric Boron-Containing Building Blocks. Journal of Organic Chemistry, 2022, 87, 94-102.	1.7	4
183	Toward new coordination environments and molecular architectures using F8BINOL, an electron-poor isostere of BINOL. Israel Journal of Chemistry, 2001, 41, 309-312.	1.0	3
184	Polyfluorinated phosphine ligands in the room temperature Suzuki cross-coupling reactions. Tetrahedron Letters, 2007, 48, 8048-8051.	0.7	3
185	The Effect of Strain on the Rh^Iâ€Catalyzed Rearrangement of Allylamines. European Journal of Organic Chemistry, 2011, 2011, 553-561.	1.2	3
186	Nucleophilic Boron Clusters Lead to New Borylation Methods. CheM, 2019, 5, 2291-2293.	5.8	3
187	Synthetic half-reactions. Chemical Science, 2020, 11, 12423-12427.	3.7	3
188	Novel nitrogen containing chelating ligands from aziridines Â— Preparation, coordination studies, and catalytic application in the cyclopropanation of styrene. Canadian Journal of Chemistry, 2005, 83, 1025-1032.	0.6	2
189	Facile Generation and Synthetic Utility of Nitrogen-Centered Aziridinyl Radicals. Synlett, 2007, 2007, 2912-2918.	1.0	2
190	Carboxyboronate as a Versatile In Situ CO Surrogate in Palladiumâ€Catalyzed Carbonylative Transformations. Angewandte Chemie, 2021, 133, 4388-4395.	1.6	2
191	[(R,R)-1-(N-Benzylideneamino)-2-(diphenylphosphino)cyclohexane-Îº2N,P]dichloro(triphenylphosphine-ÎºP)ruthenium(II). Acta Crystallographica Section E: Structure Reports Online, 2003, 59, m399-m401.	0.2	1
192	Lewis Acid-Catalyzed Dimerization of N-Unprotected Aziridines. Synlett, 2003, 2003, 2198-2202.	1.0	1
193	One-Pot Reduction-Aldol Reaction of Esters. Synlett, 2004, 2004, 2443-2444.	1.0	1
194	Polyfluorinated Binaphthol Ligands in Asymmetric Catalysis. ACS Symposium Series, 2005, , 288-302.	0.5	1
195	Natureâ€™s Enzymes Tricked with Xenobiotic Oxidants. ACS Central Science, 2015, 1, 62-63.	5.3	1
196	Vibrational Circular Dichroism Unveils Chiroptical, Electrical, and Magnetic Properties of Borylated Isocyanides and Aldehydes. European Journal of Organic Chemistry, 2017, 2017, 5262-5268.	1.2	1
197	Innentitelbild: Synchronized Synthesis of Peptide-Based Macrocycles by Digital Microfluidics (Angew.) Tj ETQq1 1 0.784314 rgBT /Ove	1.6	0
198	Inside Cover: Synchronized Synthesis of Peptide-Based Macrocycles by Digital Microfluidics (Angew.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	0

#	Article	IF	Citations
199	Frontispiece: Amphoteric Borylketenimines: Versatile Intermediates in the Synthesis of Borylated Heterocycles. Chemistry - A European Journal, 2017, 23, .	1.7	0
200	Frontispiece: Achieving Skeletal Diversity in Peptide Macrocycles through The Use of Heterocyclic Grafts. Chemistry - A European Journal, 2018, 24, .	1.7	0
201	New reactivity in organic chemistry: a themed collection. Chemical Science, 2020, 11, 12385-12385.	3.7	0
202	Serine and Threonine Phosphorylation Marks Proteins for Degradation By Clpxp. Blood, 2021, 138, 3329-3329.	0.6	0
203	Selective functionalization of small organic molecules using electrophilic nitrogen sources. Current Opinion in Drug Discovery & Development, 2002, 5, 906-17.	1.9	0
204	Introduction to â€˜Synthesis and chemical biology of macrocyclesâ€™. RSC Chemical Biology, 0, , .	2.0	0