

# Varinder K Aggarwal

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

374  
papers

20,147  
citations

78  
h-index

122  
g-index

452  
ext. papers

22,743  
ext. citations

9.6  
avg, IF

7.41  
L-index

#	Paper	IF	Citations
374	Lithiation/Borylation methodology in the total synthesis of natural products <b>2022</b> , 1, 117-126		5
373	Stereocontrolled Total Synthesis of Bastimolide B Using Iterative Homologation of Boronic Esters.. <i>Journal of the American Chemical Society</i> , <b>2022</b> ,	16.4	1
372	Direct Observation of Reactive Intermediates by Time-Resolved Spectroscopy Unravels the Mechanism of a Radical-Induced 1,2-Metalate Rearrangement. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 17191-17199	16.4	2
371	Studies on the Lithiation, Borylation, and 1,2-Metalate Rearrangement of O-Cycloalkyl 2,4,6-Triisopropylbenzoates. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11436-11441	16.4	1
370	Strain-Release Driven Spirocyclization of Azabicyclo[1.1.0]butyl Ketones. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 11930-11935	3.6	1
369	Studies on the Lithiation, Borylation, and 1,2-Metalate Rearrangement of O-Cycloalkyl 2,4,6-Triisopropylbenzoates. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 11537-11542	3.6	0
368	Diastereoselective Photoredox-Catalyzed [3 + 2] Cycloadditions of $\alpha$ -Sulfonyl Cyclopropylamines with Electron-Deficient Olefins. <i>Organic Letters</i> , <b>2021</b> , 23, 3038-3042	6.2	6
367	Strain-Release Driven Spirocyclization of Azabicyclo[1.1.0]butyl Ketones. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 11824-11829	16.4	5
366	Highly Diastereoselective Strain-Increase Allylborylations: Rapid Access to Alkylidenecyclopropanes and Alkylidenecyclobutanes. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 7462-7470	16.4	6
365	Regioselective Ring-Opening Reactions of Bicyclo[1.1.0]butyl Boronic Ester with Nucleophiles. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 214-218	3.6	1
364	Origin of stereocontrol in the Matteson reaction: Importance of attractive electrostatic interactions. <i>Tetrahedron</i> , <b>2021</b> , 78, 131810	2.4	1
363	Regioselective Ring-Opening Reactions of Bicyclo[1.1.0]butyl Boronic Ester with Nucleophiles. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 212-216	16.4	12
362	Divergent, Strain-Release Reactions of Azabicyclo[1.1.0]butyl Carbinols: Semipinacol or Spiroepoxy Azetidine Formation. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 7360-7365	16.4	10
361	Divergent, Strain-Release Reactions of Azabicyclo[1.1.0]butyl Carbinols: Semipinacol or Spiroepoxy Azetidine Formation. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 7436-7441	3.6	3
360	Synthesis of Dysoxylactam A Using Iterative Homologation of Boronic Esters. <i>Asian Journal of Organic Chemistry</i> , <b>2021</b> , 10, 2338-2341	3	2
359	Conformationally Controlled Linear and Helical Hydrocarbons Bearing Extended Side Chains. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 16682-16692	16.4	0
358	Chiral Benzothiophene Synthesis via Enantiospecific Coupling of Benzothiophene S-Oxides with Boronic Esters. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 25313-25317	16.4	1

357	Sequential Photocatalytic Reactions for the Diastereoselective Synthesis of Cyclobutane Scaffolds. <i>Organic Letters</i> , <b>2021</b> ,	6.2	4
356	Strain-Release-Driven Friedel-Crafts Spirocyclization of Azabicyclo[1.1.0]butanes. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> ,	16.4	1
355	Synthesis, Stability, and Biological Studies of Fluorinated Analogues of Thromboxane A. <i>ACS Central Science</i> , <b>2020</b> , 6, 995-1000	16.8	6
354	Rücktitelbild: Visible-Light-Driven Strain-Increase Ring Contraction Allows the Synthesis of Cyclobutyl Boronic Esters (Angew. Chem. 16/2020). <i>Angewandte Chemie</i> , <b>2020</b> , 132, 6694-6694	3.6	
353	Ring-Expansion Induced 1,2-Metallate Rearrangements: Highly Diastereoselective Synthesis of Cyclobutyl Boronic Esters. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 5515-5520	16.4	22
352	Stereospecific 1,2-Migrations of Boronate Complexes Induced by Electrophiles. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 17005-17018	3.6	17
351	Iridium-Catalyzed Enantioselective Synthesis of $\beta$ -Chiral Bicyclo[1.1.1]pentanes by 1,3-Difunctionalization of [1.1.1]Propellane. <i>Organic Letters</i> , <b>2020</b> , 22, 5650-5655	6.2	10
350	Stereospecific 1,2-Migrations of Boronate Complexes Induced by Electrophiles. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 16859-16872	16.4	54
349	Decarboxylative Conjunctive Cross-coupling of Vinyl Boronic Esters using Metallaphotoredox Catalysis. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 4405-4409	3.6	14
348	Divergent, Stereospecific Mono- and Difluoromethylation of Boronic Esters. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 8502-8506	16.4	19
347	Odd-even alternations in helical propensity of a homologous series of hydrocarbons. <i>Nature Chemistry</i> , <b>2020</b> , 12, 475-480	17.6	12
346	Divergent, Stereospecific Mono- and Difluoromethylation of Boronic Esters. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 8580-8584	3.6	7
345	1,3-Difunctionalizations of [1.1.1]Propellane via 1,2-Metallate Rearrangements of Boronate Complexes. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 3945-3949	3.6	17
344	The Bristol Synthesis Meeting [Fostering Creativity and Inspiration since 2001. <i>European Journal of Organic Chemistry</i> , <b>2020</b> , 2020, 2308-2309	3.2	
343	Ring-Opening Lithiation-Borylation of 2-Trifluoromethyl Oxirane: A Route to Versatile Tertiary Trifluoromethyl Boronic Esters. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 1187-1191	16.4	16
342	Visible-Light-Driven Strain-Increase Ring Contraction Allows the Synthesis of Cyclobutyl Boronic Esters. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 6525-6528	16.4	22
341	1,3-Difunctionalizations of [1.1.1]Propellane via 1,2-Metallate Rearrangements of Boronate Complexes. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 3917-3921	16.4	39
340	Visible-Light-Driven Strain-Increase Ring Contraction Allows the Synthesis of Cyclobutyl Boronic Esters. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 6587-6590	3.6	6

- 339 Ring-Opening Lithiation-Borylation of 2-Trifluoromethyl Oxirane: A Route to Versatile Tertiary Trifluoromethyl Boronic Esters. *Angewandte Chemie*, **2020**, 132, 1203-1207 3.6 3
- 338 Decarboxylative Conjunctive Cross-coupling of Vinyl Boronic Esters using Metallaphotoredox Catalysis. *Angewandte Chemie - International Edition*, **2020**, 59, 4375-4379 16.4 58
- 337 Prostaglandin Total Synthesis Enabled by the Organocatalytic Dimerization of Succinaldehyde. *Chemical Record*, **2020**, 20, 936-947 6.6 4
- 336 Total Synthesis of Thromboxane B via a Key Bicyclic Enal Intermediate. *Organic Letters*, **2020**, 22, 6505-6509 16.4 4
- 335 Metal-free photoinduced C(sp)-H borylation of alkanes. *Nature*, **2020**, 586, 714-719 50.4 47
- 334 Enantioselective Total Synthesis of (+)-Finerenone Using Asymmetric Transfer Hydrogenation. *Angewandte Chemie*, **2020**, 132, 23307-23311 3.6
- 333 Enantioselective Total Synthesis of (-)-Finerenone Using Asymmetric Transfer Hydrogenation. *Angewandte Chemie - International Edition*, **2020**, 59, 23107-23111 16.4 2
- 332 Difunctionalization of C-C  $\pi$ Bonds Enabled by the Reaction of Bicyclo[1.1.0]butyl Boronate Complexes with Electrophiles: Reaction Development, Scope, and Stereochemical Origins. *Journal of the American Chemical Society*, **2020**, 142, 16766-16775 16.4 16
- 331 How Big is the Pinacol Boronic Ester as a Substituent?. *Angewandte Chemie*, **2020**, 132, 22589-22593 3.6 5
- 330 How Big is the Pinacol Boronic Ester as a Substituent?. *Angewandte Chemie - International Edition*, **2020**, 59, 22403-22407 16.4 19
- 329 Stuart Warren (24 Dec 1938-22 Mar 2020). *Organic and Biomolecular Chemistry*, **2020**, 18, 7236-7237 3.9
- 328 Photoinduced Fragmentation Borylation of Cyclic Alcohols and Hemiacetals. *Organic Letters*, **2020**, 22, 7213-7218 6.2 12
- 327 Photoinduced Deoxygenative Borylations of Aliphatic Alcohols. *Angewandte Chemie*, **2019**, 131, 19006-19010 16.4 9
- 326 Vinylidene Homologation of Boronic Esters and its Application to the Synthesis of the Proposed Structure of Machillene. *Angewandte Chemie*, **2019**, 131, 15412-15416 3.6 4
- 325 1,2-Boron Shifts of  $\pi$ Boryl Radicals Generated from Bis-boronic Esters Using Photoredox Catalysis. *Journal of the American Chemical Society*, **2019**, 141, 14104-14109 16.4 32
- 324 Photoredox-Catalyzed Cyclobutane Synthesis by a Deboronative Radical Addition-Polar Cyclization Cascade. *Angewandte Chemie*, **2019**, 131, 3910-3914 3.6 14
- 323 Photoredox-Catalyzed Cyclobutane Synthesis by a Deboronative Radical Addition-Polar Cyclization Cascade. *Angewandte Chemie - International Edition*, **2019**, 58, 3870-3874 16.4 54
- 322 Triphenylphosphine and sodium iodide: a new catalyst combination to rival precious metal complexes in visible light photoredox catalysis. *Science China Chemistry*, **2019**, 62, 1083-1084 7.9 9

321	Radical Addition to Strained $\beta$ Bonds Enables the Stereocontrolled Synthesis of Cyclobutyl Boronic Esters. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 9511-9515	16.4	60
320	Revising the structure of a new eicosanoid from human platelets to 8,9-11,12-diepoxy-13-hydroxyeicosadienoic acid. <i>Journal of Biological Chemistry</i> , <b>2019</b> , 294, 9225-9238	5.4	2
319	Strain Release of Donor-Acceptor Cyclopropyl Boronate Complexes. <i>Organic Letters</i> , <b>2019</b> , 21, 3412-3416	16.2	18
318	Strain-Release-Driven Homologation of Boronic Esters: Application to the Modular Synthesis of Azetidines. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 4573-4578	16.4	65
317	Catalyst-Free Deaminative Functionalizations of Primary Amines by Photoinduced Single-Electron Transfer. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 5697-5701	16.4	170
316	Catalyst-Free Deaminative Functionalizations of Primary Amines by Photoinduced Single-Electron Transfer. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 5753-5757	3.6	34
315	Vinylidene Homologation of Boronic Esters and its Application to the Synthesis of the Proposed Structure of Machillene. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 15268-15272	16.4	13
314	Photoinduced Deoxygenative Borylations of Aliphatic Alcohols. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 18830-18834	16.4	52
313	Total synthesis of (1R)-cyclopiazonic acid: a study in perseverance. <i>Strategies and Tactics in Organic Synthesis</i> , <b>2019</b> , 14, 1-33	0.2	1
312	Methylenespiro[2.3]hexanes via Nickel-Catalyzed Cyclopropanations with [1.1.1]Propellane. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 20325-20334	16.4	16
311	1,2-Metallate Rearrangement of Boron Derivatives <b>2019</b> , 1-96		1
310	Complex Boron-Containing Molecules through a 1,2-Metalate Rearrangement/anti-S N 2? Elimination/Cycloaddition Reaction Sequence. <i>Synlett</i> , <b>2019</b> , 30, 449-453	2.2	5
309	Carbopalladation of C-C $\beta$ Bonds enabled by strained boronate complexes. <i>Nature Chemistry</i> , <b>2019</b> , 11, 117-122	17.6	82
308	Enantiospecific Synthesis of ortho-Substituted 1,1-Diarylalkanes by a 1,2-Metalate Rearrangement/anti-SN2? Elimination/Rearomatizing Allylic Suzuki-Miyaura Reaction Sequence. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 1380-1384	3.6	4
307	Enantiospecific Synthesis of ortho-Substituted 1,1-Diarylalkanes by a 1,2-Metalate Rearrangement/anti-S <sub>2</sub> PElimination/Rearomatizing Allylic Suzuki-Miyaura Reaction Sequence. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 1366-1370	16.4	12
306	CD1b Tetramers Identify T Cells that Recognize Natural and Synthetic Diacylated Sulfolipids from Mycobacterium tuberculosis. <i>Cell Chemical Biology</i> , <b>2018</b> , 25, 392-402.e14	8.2	17
305	Enantiospecific Three-Component Alkylation of Furan and Indole. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 4279-4282	4.8	29
304	Visible-Light-Mediated Decarboxylative Radical Additions to Vinyl Boronic Esters: Rapid Access to $\beta$ Amino Boronic Esters. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 2177-2181	3.6	33

303	Enantioselective Synthesis of the Cyclopiazonic Acid Family Using Sulfur Ylides. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1346-1350	16.4	32
302	ortho-Directing Chromium Arene Complexes as Efficient Mediators for Enantiospecific C(sp <sup>2</sup> )-C(sp <sup>3</sup> ) Cross-Coupling Reactions. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1094-1098	3.6	3
301	Visible-Light-Mediated Decarboxylative Radical Additions to Vinyl Boronic Esters: Rapid Access to $\beta$ -Amino Boronic Esters. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 2155-2159	16.4	75
300	Enantioselective Synthesis of the Cyclopiazonic Acid Family Using Sulfur Ylides. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 1360-1364	3.6	5
299	Enantiodivergent Synthesis of Allenes by Point-to-Axial Chirality Transfer. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 8203-8208	16.4	26
298	(-)-Cytisine: Access to a stereochemically defined and functionally flexible piperidine scaffold. <i>Organic and Biomolecular Chemistry</i> , <b>2018</b> , 16, 5823-5832	3.9	5
297	Synthesis of Isothiocineole and Application in Multigram-Scale Sulfur Ylide Mediated Asymmetric Epoxidation and Aziridination. <i>Synthesis</i> , <b>2018</b> , 50, 3337-3343	2.9	6
296	Stereo- and Regiocontrolled Methylboration of Terminal Alkynes. <i>Organic Letters</i> , <b>2018</b> , 20, 3136-3139	6.2	13
295	Photoinduced Deaminative Borylation of Alkylamines. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10700-10704	16.4	226
294	ortho-Directing Chromium Arene Complexes as Efficient Mediators for Enantiospecific C(sp <sup>2</sup> )-C(sp <sup>3</sup> ) Cross-Coupling Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 1082-1086	16.4	10
293	Stereocontrolled Synthesis of Polypropionate Fragments based on a Building Block Assembly Strategy using Lithiation-Borylation Methodologies. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 730-735	4.8	19
292	Investigation of the Deprotonative Generation and Borylation of Diamine-Ligated $\beta$ -Lithiated Carbamates and Benzoates by in Situ IR spectroscopy. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 14677-14686	16.4	16
291	Synthesis of Functionalized Cyclopropanes from Carboxylic Acids by a Radical Addition-Polar Cyclization Cascade. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 15656-15660	3.6	26
290	Chiral Aniline Synthesis via Stereospecific C(sp <sup>2</sup> )-C(sp <sup>3</sup> ) Coupling of Boronic Esters with Aryl Hydrazines. <i>Organic Letters</i> , <b>2018</b> , 20, 6144-6147	6.2	8
289	Synthesis of Functionalized Cyclopropanes from Carboxylic Acids by a Radical Addition-Polar Cyclization Cascade. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 15430-15434	16.4	67
288	Reoptimization of the Organocatalyzed Double Aldol Domino Process to a Key Enal Intermediate and Its Application to the Total Synthesis of $\beta$ -Prostaglandin J. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 9542-9545	4.8	23
287	Enantiodivergent Synthesis of Allenes by Point-to-Axial Chirality Transfer. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 8335-8340	3.6	12
286	Enantiospecific Trifluoromethyl-Radical-Induced Three-Component Coupling of Boronic Esters with Furans. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 1810-1814	16.4	50



285	Stereocontrolled Total Synthesis of (-)-Stemaphylline. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 2127-2131	16.4	57
284	Enantiospecific Trifluoromethyl-Radical-Induced Three-Component Coupling of Boronic Esters with Furans. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 1836-1840	3.6	26
283	Stereocontrolled Total Synthesis of (R)-Stemaphylline. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 2159-2163	3.6	25
282	Selective uni- and bidirectional homologation of diborylmethane. <i>Chemical Science</i> , <b>2017</b> , 8, 2898-2903	9.4	46
281	Iterative assembly line synthesis of polypropionates with full stereocontrol. <i>Nature Chemistry</i> , <b>2017</b> , 9, 896-902	17.6	43
280	Merging Photoredox with 1,2-Metallate Rearrangements: The Photochemical Alkylation of Vinyl Boronate Complexes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 5736-5739	16.4	137
279	Conjunctive functionalization of vinyl boronate complexes with electrophiles: a diastereoselective three-component coupling. <i>Chemical Communications</i> , <b>2017</b> , 53, 4922-4925	5.8	39
278	Synthesis of Functionalized Alkenes by a Transition-Metal-Free Zweifel Coupling. <i>Organic Letters</i> , <b>2017</b> , 19, 2762-2765	6.2	50
277	Photoinduced decarboxylative borylation of carboxylic acids. <i>Science</i> , <b>2017</b> , 357, 283-286	33.3	351
276	Asymmetric Synthesis of Secondary and Tertiary Boronic Esters. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 11700-11733	16.4	161
275	Asymmetrische Synthese sekundärer und tertiärer Boronsäureester. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 11860-11894	3.6	61
274	Alkynyl Moiety for Triggering 1,2-Metallate Shifts: Enantiospecific sp <sup>2</sup> -sp Coupling of Boronic Esters with p-Arylacetylenes. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 9752-9756	16.4	22
273	Stereospecific functionalizations and transformations of secondary and tertiary boronic esters. <i>Chemical Communications</i> , <b>2017</b> , 53, 5481-5494	5.8	308
272	Stereodivergent Olefination of Enantioenriched Boronic Esters. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 804-808	3.6	28
271	Stereodivergent Olefination of Enantioenriched Boronic Esters. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 786-790	16.4	52
270	Stereospecific Allylic Functionalization: The Reactions of Allylboronate Complexes with Electrophiles. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 15324-15327	16.4	33
269	Synthesis of Alfaprostol and PGF through 1,4-Addition of an Alkyne to an Enal Intermediate as the Key Step. <i>Organic Letters</i> , <b>2017</b> , 19, 6008-6011	6.2	14
268	Asymmetric Synthesis of Tertiary Alcohols and Thiols via Nonstabilized Tertiary $\alpha$ Oxy- and $\beta$ Thio-Substituted Organolithium Species. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 10835-10839	16.4	10

267	Asymmetric Synthesis of Tertiary Alcohols and Thiols via Nonstabilized Tertiary $\alpha$ Oxy- and $\alpha$ Thio-Substituted Organolithium Species. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10975-10979	3.6	0
266	Alkynyl Moiety for Triggering 1,2-Metallate Shifts: Enantiospecific $sp^2$ $\rightarrow$ $sp^3$ Coupling of Boronic Esters with <i>p</i> -Arylacetylenes. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 9884-9888	3.6	14
265	$\alpha$ Sulfinyl Benzoates as Precursors to Li and Mg Carbenoids for the Stereoselective Iterative Homologation of Boronic Esters. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 11877-11886	16.4	32
264	The Story behind "Synergy of Synthesis, Computation, and NMR Reveals Correct Baulamycin Structures". <i>Biochemistry</i> , <b>2017</b> , 56, 6177-6178	3.2	2
263	Enantiospecific $sp$ - $sp$ Coupling of ortho- and para-Phenols with Secondary and Tertiary Boronic Esters. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 16318-16322	16.4	25
262	Enantiospecific $sp^2$ $\rightarrow$ $sp^3$ Coupling of ortho- and para-Phenols with Secondary and Tertiary Boronic Esters. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 16536-16540	3.6	12
261	50 Years of Zweifel Olefination: A Transition-Metal-Free Coupling. <i>Synthesis</i> , <b>2017</b> , 49, 3323-3336	2.9	101
260	Enantioselective Rhodium(III)-Catalyzed Markovnikov Hydroboration of Unactivated Terminal Alkenes. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9148-9151	16.4	74
259	Enantiospecific Synthesis of ortho-Substituted Benzylic Boronic Esters by a 1,2-Metallate Rearrangement/1,3-Borotropic Shift Sequence. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9519-9522	16.4	30
258	Synergy of synthesis, computation and NMR reveals correct baulamycin structures. <i>Nature</i> , <b>2017</b> , 547, 436-440	50.4	80
257	(2-Bromoethyl)diphenylsulfonium Trifluoromethanesulfonate <b>2016</b> , 1-5		3
256	Synthesis of 3-Aryl-1-aminopropane Derivatives: LithiationBorylationRing-Opening of Azetidinium Ions. <i>Synthesis</i> , <b>2016</b> , 48, 3241-3253	2.9	23
255	Short Enantioselective Total Synthesis of Tatanan A and 3-epi-Tatanan A Using Assembly-Line Synthesis. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 15920-15924	16.4	33
254	Regio- and Stereoselective Homologation of 1,2-Bis(Boronic Esters): Stereocontrolled Synthesis of 1,3-Diols and Sch 725674. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14663-14667	16.4	32
253	Regio- and Stereoselective Homologation of 1,2-Bis(Boronic Esters): Stereocontrolled Synthesis of 1,3-Diols and Sch 725674. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14883-14887	3.6	11
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242	Synthesis of 6- and 7-Membered N-Heterocycles Using $\Phi$ Phenylvinylsulfonium Salts. <i>Organic Letters</i> , <b>2015</b> , 17, 5044-7	6.2	56
241	Palladium-Catalyzed Reactions of Allylic Boronic Esters with Nucleophiles: Novel Umpolung Reactivity. <i>Synlett</i> , <b>2015</b> , 26, 1567-1572	2.2	3
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50	Application of Chiral Sulfides to Catalytic Asymmetric Aziridination and Cyclopropanation with In Situ Generation of the Diazo Compound We thank Avesia (M.P.), the EPSRC (M.F.), the EU for a Marie Curie Fellowship (E.A.; HPMF-CT-1999-00076), LuAn Teacher College and the Education Minister of The Peoples Republic of China (G.F.), and Sheffield University for financial support. We thank Dr. J. Plunko (Avesia), Dr. P. V. H. Jones, Angera Analyticals and Co. P. Field, and Dr. M. A. Adams, University of York for their help.	16.4	4
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15	Asymmetric epoxidation using chiral sulfur ylides. <i>Tetrahedron: Asymmetry</i> , <b>1994</b> , 5, 723-730		35
14	Synthesis of sulfonium salts by sulfide alkylation; an alternative approach. <i>Tetrahedron Letters</i> , <b>1994</b> , 35, 8659-8660	2	16
13	A Novel Catalytic Cycle for the Synthesis of Epoxides Using Sulfur Ylides, and Application to the Synthesis of Cyclopropanes and Aziridines. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1994</b> , 95, 283-292	1	
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11	Asymmetric Synthesis and Cycloaddition Chemistry of Trans-2-Methylene-1,3-Dithiolane 1,3-Dioxide. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1994</b> , 95, 337-338	1	2
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9	Chiral bisfunctionalization of substrates: a powerful strategy for the asymmetric synthesis of C <sub>2</sub> symmetric compounds and its application to the synthesis of enantiomerically pure trans-1,3-dithiane 1,3-dioxide. <i>Journal of Organic Chemistry</i> , <b>1992</b> , 57, 6390-6391	4.2	45
8	Highly stereoselective addition reactions of metallated trans-1,3-dithiane-1,3-dioxide to aldehydes. <i>Tetrahedron Letters</i> , <b>1991</b> , 32, 7743-7746	2	27
7	Phenylthio(Phs) migration in the stereocontrolled synthesis of allylic alcohols with 1, 4 related chiral centres.. <i>Tetrahedron Letters</i> , <b>1986</b> , 27, 101-104	2	29
6	Ylide-Based Reactions		357-389 12
5	Rearrangements of Organozinc Compounds		595-639 3
4	Pinacolborane		1-12
3	Homologation of Boronic Esters with Lithiated Epoxides		234-251
2	The Matteson Reaction		427-860 3
1	Chiral Benzothiophene Synthesis via Enantiospecific Coupling of Benzothiophene S-Oxides with Boronic Esters. <i>Angewandte Chemie</i> ,	3.6	0