

Ilhyong Ryu

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.

334
papers

12,664
citations

59
h-index

93
g-index

448
ext. papers

14,161
ext. citations

5.9
avg, IF

6.4
L-index

#	Paper	IF	Citations
334	Recent Advances in Radical Carbonylation 2022 , 567-609		0
333	Improved efficiency of photo-induced synthetic reactions enabled by advanced photo flow technologies.. <i>Photochemical and Photobiological Sciences</i> , 2022 , 1	4.2	
332	High-speed C-H chlorination of ethylene carbonate using a new photoflow setup.. <i>Beilstein Journal of Organic Chemistry</i> , 2022 , 18, 152-158	2.5	1
331	Using High-Power UV-LED to Accelerate a Tungstate-Anion-Catalyzed Reaction: A Model Study for the Quick Oxidation of Benzyl Alcohol to Benzoic Acid Using Molecular Oxygen. <i>Micromachines</i> , 2021 , 12,	3.3	3
330	Borane evolution and its application to organic synthesis using the phase-vanishing method. <i>Tetrahedron Letters</i> , 2021 , 69, 152977	2	1
329	A New Protocol for Catalytic Reduction of Alkyl Chlorides Using an Iridium/Bis(benzimidazol-2-yl)pyridine Catalyst and Triethylsilane. <i>Synthesis</i> , 2021 , 53, 3404-3408	2.9	1
328	Site-Selective Alkenylation of Unactivated C(sp ²)-H Bonds Mediated by Compact Sulfate Radical. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 3545-3550	16.4	10
327	Site-Selective Alkenylation of Unactivated C(sp ³)-H Bonds Mediated by Compact Sulfate Radical. <i>Angewandte Chemie</i> , 2021 , 133, 3587-3592	3.6	2
326	Blacklight-Induced Hydroxylation of Arylboronic Acids Leading to Hydroxyarenes Using Molecular Oxygen and Tetrabutylammonium Borohydride. <i>Helvetica Chimica Acta</i> , 2021 , 104, e2100102	2	0
325	Flow Friedel-Crafts alkylation of 1-adamantanol with arenes using HO-SAS as an immobilized acid catalyst. <i>Journal of the Chinese Chemical Society</i> , 2020 , 67, 2253-2257	1.5	1
324	Syntheses of Diarylethenes by Perylene-catalyzed Photodesulfonylation from Ethenyl Sulfones. <i>Chemistry Letters</i> , 2020 , 49, 409-412	1.7	6
323	Synthesis of Aliphatic Amides through a Photoredox Catalyzed Radical Carbonylation Involving Organosilicates as Alkyl Radical Precursors. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 2254-2259	5.6	23
322	Site-Selective C(sp ³)-H Functionalization of Fluorinated Alkanes Driven by Polar Effects Using a Tungstate Photocatalyst. <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 1424-1428	3.2	9
321	Pd/light-induced alkenyl-alkenyl coupling reaction between unactivated alkyl iodides and alkenylboronic acids. <i>Organic Chemistry Frontiers</i> , 2020 , 7, 1266-1270	5.2	0
320	Br-radical-mediated [3+2] annulation: synthesis of 2-bromomethyl-substituted alkenylcyclopentanes by the reaction of alkenylcyclopropanes with allyl bromides under photo irradiation. <i>Science China Chemistry</i> , 2019 , 62, 1525-1528	7.9	4
319	Bromine-Radical-Mediated Site-Selective Allylation of C(sp ³)-H Bonds. <i>Synthesis</i> , 2019 , 51, 1171-1177	2.9	6
318	Kinetically Controlled Fischer Glycosidation under Flow Conditions: A New Method for Preparing Furanosides. <i>Synlett</i> , 2019 , 30, 397-400	2.2	9

317	Revisiting Hydroxyalkylation of Phenols with Cyclic Carbonates. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 3639-3644	5.6	5
316	Vicinal difunctionalization of alkenes by four-component radical cascade reaction of xanthogenates, alkenes, CO, and sulfonyl oxime ethers. <i>Beilstein Journal of Organic Chemistry</i> , 2019 , 15, 1822-1828	2.5	1
315	Synthesis of 4,4-Difluoroalkenes by Coupling of β -Substituted β,β -Difluoromethyl Halides with Allyl Sulfones under Photoredox Catalyzed Conditions. <i>Journal of Organic Chemistry</i> , 2019 , 84, 9330-9338	4.2	12
314	Radical Mediated Aza-Pauson-Khand Reaction of Acetylenes, Imines, and CO Leading to Five-Membered Unsaturated Lactams. <i>Helvetica Chimica Acta</i> , 2019 , 102, e1900186	2	2
313	Alkenylation and Allylation Reactions of Alkyl Halides Using Photo Catalyst. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2019 , 77, 406-413	0.2	
312	Carbonylation of Alkyl Radicals Derived from Organosilicates through Visible-Light Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 1789-1793	16.4	46
311	Carbonylation of Alkyl Radicals Derived from Organosilicates through Visible-Light Photoredox Catalysis. <i>Angewandte Chemie</i> , 2019 , 131, 1803-1807	3.6	17
310	Palladium/Light Induced Radical Alkenylation and Allylation of Alkyl Iodides Using Alkenyl and Allylic Sulfones. <i>Organic Letters</i> , 2018 , 20, 1078-1081	6.2	36
309	Electron transfer-induced reduction of organic halides with amines. <i>Chemical Communications</i> , 2018 , 54, 5582-5585	5.8	27
308	Applications of Radical Carbonylation and Amine Addition Chemistry: 1,4-Hydrogen Transfer of 1-Hydroxyallyl Radicals. <i>Accounts of Chemical Research</i> , 2018 , 51, 2023-2035	24.3	45
307	A Theoretical Study on Radical-based Aminocarbonylation of Aryl Iodides. <i>Chemistry Letters</i> , 2018 , 47, 1169-1171	1.7	5
306	Site-Selective C β Functionalization by Decatungstate Anion Photocatalysis: Synergistic Control by Polar and Steric Effects Expands the Reaction Scope. <i>ACS Catalysis</i> , 2018 , 8, 701-713	13.1	179
305	Discovery of New Reactions by Controlled Reactive Species. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2018 , 76, 966-969	0.2	
304	Synthesis of perinaphthenones through rhodium-catalyzed dehydrative annulation of 1-naphthoic acids with alkynes. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 7583-7587	3.9	9
303	Theoretical Calculations for the 1,4-Hydrogen Shift of 1-Hydroxyallyl Radicals Leading to β -Keto Radicals; Prediction of Facilitation by 1-Amino and 3-Tin Substituents. <i>Chemistry Letters</i> , 2018 , 47, 1197-1199	1.7	3
302	Nitrogen-Philic Cyclization of Acyl Radicals Enables the Synthesis of Lactams. <i>Progress in Heterocyclic Chemistry</i> , 2018 , 30, 1-12	0.8	2
301	Electron-Transfer-Induced Intramolecular Heck Carbonylation Reactions Leading to Benzolactones and Benzolactams. <i>Synthesis</i> , 2018 , 50, 3015-3021	2.9	9
300	Continuous Flow Synthesis Using Recyclable Reaction Media 2017 , 25-42		1

- 299 Versatile cross-dehydrogenative coupling of heteroaromatics and hydrogen donors via decatungstate photocatalysis. *Chemical Communications*, **2017**, 53, 2335-2338 5.8 91
- 298 Flow Dehydration and Hydrogenation of Allylic Alcohols: Application to the Waste-Free Synthesis of Pristane. *European Journal of Organic Chemistry*, **2017**, 2017, 1365-1368 3.2 7
- 297 Efficient Flow Fischer Esterification of Carboxylic Acids with Alcohols Using Sulfonic Acid-Functionalized Silica as Supported Catalyst. *Bulletin of the Chemical Society of Japan*, **2017**, 90, 607-612 5.1 18
- 296 Cooperative Polar/Steric Strategy in Achieving Site-Selective Photocatalyzed C(sp³)-H Functionalization. *Chemistry - A European Journal*, **2017**, 23, 8615-8618 4.8 29
- 295 Photoredox-Catalyzed Hydrodifluoroalkylation of Alkenes Using Difluorohaloalkyl Compounds and a Hantzsch Ester. *Journal of Organic Chemistry*, **2017**, 82, 5469-5474 4.2 62
- 294 Ionic liquids are not innocent in Pd catalysis. C⁶⁰ arylation of thiazolium and imidazolium ionic liquids with aryl halides. *Organic Chemistry Frontiers*, **2017**, 4, 1863-1866 5.2 10
- 293 Cobalt-catalyzed regioselective [3+2] annulation of ortho -formyl and acetyl substituted phenylboronic acids with alkynes. *Tetrahedron Letters*, **2017**, 58, 2972-2974 2 7
- 292 Formal Total Synthesis of l-Ossamine via Decarboxylative Functionalization Using Visible-Light-Mediated Photoredox Catalysis in a Flow System. *Journal of Organic Chemistry*, **2017**, 82, 1248-1253 4.2 25
- 291 A Palladium/Light System Combined with Hantzsch Ester: Radical Vinylation of Alkyl Iodides with Vinyl Bromides. *Asian Journal of Organic Chemistry*, **2017**, 6, 410-413 3 10
- 290 Bromoallylation of Alkenes Leading to 4-Alkenyl Bromides Based on Trapping of β -Bromoalkyl Radicals. *Organic Letters*, **2017**, 19, 5198-5200 6.2 3
- 289 Ammonium chiral borate salt catalyzed asymmetric Friedel-Crafts alkylation of indoles with β,β -disubstituted enals. *Tetrahedron: Asymmetry*, **2017**, 28, 1070-1077 4
- 288 Scalable Flow Synthesis of [6,6]-Phenyl-C61-butyric Acid Methyl Ester (PCBM) using a Flow Photoreactor with a Sodium Lamp. *European Journal of Organic Chemistry*, **2017**, 2017, 6483-6485 3.2 7
- 287 Cover Feature: Scalable Flow Synthesis of [6,6]-Phenyl-C61-butyric Acid Methyl Ester (PCBM) using a Flow Photoreactor with a Sodium Lamp (Eur. J. Org. Chem. 44/2017). *European Journal of Organic Chemistry*, **2017**, 2017, 6463-6463 3.2
- 286 Transition-Metal-Catalyst-Free Cross-Coupling Reaction of Secondary Propargylic Acetates with Alkenyl- and Arylboronic Acids. *European Journal of Organic Chemistry*, **2017**, 2017, 7040-7045 3.2 10
- 285 Photocatalyzed Site-Selective C(sp³)-H Functionalization of Alkylpyridines at Non-Benzylic Positions. *Organic Letters*, **2017**, 19, 6436-6439 6.2 24
- 284 Bromine-Radical-Mediated Synthesis of β -Functionalized α,β -Unsaturated Ketones via C⁶⁰ Functionalization of Aldehydes. *Synlett*, **2017**, 28, 1733-1737 2.2 6
- 283 Radical bromoallylation of alkynes leading to 1-bromo-1,4-dienes. *Tetrahedron*, **2016**, 72, 7866-7874 2.4 5
- 282 Flow Update for a Cossy Photocyclization. *Organic Letters*, **2016**, 18, 5444-5446 6.2 17

281	A greener process for flow $\text{C}\equiv\text{N}$ chlorination of cyclic alkanes using in situ generation and on-site consumption of chlorine gas. <i>Reaction Chemistry and Engineering</i> , 2016 , 1, 613-615	4.9	24
280	Synthesis of 2,3-disubstituted indenones by cobalt-catalyzed [3+2] annulation of o-methoxycarbonylphenylboronic acid with alkynes. <i>Chemical Communications</i> , 2016 , 52, 13237-13240	5.8	19
279	Regio- and stereo-selective intermolecular [2+2] cycloaddition of allenol esters with C leading to alkylidenecyclobutane-annulated fullerenes. <i>Chemical Communications</i> , 2016 , 52, 13175-13178	5.8	27
278	Hydroalkylation of Alkenes Using Alkyl Iodides and Hantzsch Ester under Palladium/Light System. <i>Organic Letters</i> , 2016 , 18, 52-5	6.2	29
277	Curiosity-Driven Research on Acyl Radicals. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2016 , 74, 826-831	0.2	2
276	Transition-metal-free cross-coupling reaction of benzylic halides with arylboronic acids leading to diarylmethanes. <i>Tetrahedron Letters</i> , 2016 , 57, 4142-4144	2	14
275	Synthesis of aromatic β -keto esters via a carbonylative Suzuki-Miyaura coupling reaction of H -iodo esters with arylboronic acids. <i>Organic Chemistry Frontiers</i> , 2015 , 2, 1085-1087	5.2	24
274	Photocatalyzed site-selective C-H to C-C conversion of aliphatic nitriles. <i>Organic Letters</i> , 2015 , 17, 1292-56.2	5.2	44
273	Palladium-catalyzed carbonylative couplings of vinylogous enolates: application to statin structures. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14043-6	16.4	22
272	Carbonylative Mizoroki-Heck Reaction of Alkyl Iodides with Arylalkenes Using a Pd/Photoirradiation System. <i>Organic Letters</i> , 2015 , 17, 4952-5	6.2	39
271	Photocatalytic One-Pot Synthesis of Homoallyl Ketones via a Norrish Type I Reaction of Cyclopentanones. <i>Journal of Organic Chemistry</i> , 2015 , 80, 9365-9	4.2	22
270	Coupling-Reagent-Free Synthesis of Dipeptides and Tripeptides Using Amino Acid Ionic Liquids. <i>Chemistry - A European Journal</i> , 2015 , 21, 11980-3	4.8	10
269	Photoinduced Aminocarbonylation of Aryl Iodides. <i>Chemistry - A European Journal</i> , 2015 , 21, 14764-7	4.8	51
268	Intramolecular Carbolithiation of 3-Lithioxy-5-alkenyllithiums as a Platform for Cyclopentanols and Cyclopentanones. <i>Synlett</i> , 2015 , 26, 2413-2417	2.2	
267	Flow update for the carbonylation of 1-silyl-substituted organolithiums under CO pressure. <i>Organic Letters</i> , 2014 , 16, 5632-5	6.2	17
266	A bromine-radical mediated three-component reaction comprising allenes, electron-deficient alkenes and allyl bromides: facile synthesis of 2-bromo-1,7-dienes. <i>Chemical Communications</i> , 2014 , 50, 5993-6	5.8	8
265	Carbonylation in microflow: close encounters of CO and reactive species. <i>Green Chemistry</i> , 2014 , 16, 20420	4.0	99
264	Sunlight photocatalyzed regioselective β -alkylation and acylation of cyclopentanones. <i>Chemical Science</i> , 2014 , 5, 2893-2898	9.4	112

263	Radical reactions of borohydrides. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 9733-42	3.9	60
262	Radical vinylation of dioxolanes and N-acylpyrrolidines using vinyl bromides. <i>Organic Chemistry Frontiers</i> , 2014 , 1, 755-758	5.2	10
261	Revisiting the bromination of C-H bonds with molecular bromine by using a photo-microflow system. <i>Chemistry - A European Journal</i> , 2014 , 20, 12750-3	4.8	32
260	Carbonylation reactions of alkyl iodides through the interplay of carbon radicals and Pd catalysts. <i>Accounts of Chemical Research</i> , 2014 , 47, 1563-74	24.3	299
259	Synthesis of fluorenones through rhodium-catalyzed intramolecular acylation of biarylcarboxylic acids. <i>Organic Letters</i> , 2014 , 16, 3216-9	6.2	49
258	Borohydride-mediated radical addition reactions of organic iodides to electron-deficient alkenes. <i>Journal of Organic Chemistry</i> , 2014 , 79, 3999-4007	4.2	28
257	Cyanoborohydride-promoted radical arylation of benzene. <i>Organic Letters</i> , 2014 , 16, 2111-3	6.2	24
256	A Theoretical Study on Reduction of Acyl Radicals with Borohydride Anions. <i>Chemistry Letters</i> , 2014 , 43, 1140-1142	1.7	9
255	Flow Carbonylation Using Near-stoichiometric Carbon Monoxide. Application to Heck Carbonylation. <i>Chemistry Letters</i> , 2014 , 43, 1456-1458	1.7	5
254	One-pot synthesis of cyanohydrin derivatives from alkyl bromides via incorporation of two one-carbon components by consecutive radical/ionic reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2014 , 10, 150-4	2.5	4
253	Innovative Carbonylation Methods. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2014 , 72, 493-505	0.2	1
252	Transition-Metal-Free Suzuki-Miyaura Coupling Reaction of Arylpropargylic Bromides with Aryl- and Alkenylboronic Acids. <i>Synlett</i> , 2013 , 24, 1683-1686	2.2	13
251	Ruthenium hydride/nitrogen tridentate ligand-catalyzed α -alkylation of acetamides with primary alcohols. <i>RSC Advances</i> , 2013 , 3, 13702	3.7	33
250	Free-radical-mediated [2 + 2 + 1] cycloaddition of acetylenes, amidines, and CO leading to five-membered β,β -unsaturated lactams. <i>Journal of the American Chemical Society</i> , 2013 , 135, 1006-8	16.4	49
249	Bromine radical-mediated sequential radical rearrangement and addition reaction of alkylidenecyclopropanes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 632-5	16.4	63
248	Homogeneous Reactions 2013 , 101-132		1
247	Efficient hydroxymethylation reactions of iodoarenes using CO and 1,3-dimethylimidazol-2-ylidene borane. <i>Organic Letters</i> , 2013 , 15, 2144-7	6.2	42
246	Efficient C-H/C-N and C-H/C-CO-N conversion via decatungstate-photoinduced alkylation of diisopropyl azodicarboxylate. <i>Organic Letters</i> , 2013 , 15, 2554-7	6.2	103

245	Rhodium-catalyzed decarbonylative C-H arylation of 2-aryloxybenzoic acids leading to dibenzofuran derivatives. <i>Organic Letters</i> , 2013 , 15, 2754-7	6.2	64
244	Reductive bromine atom-transfer reaction. <i>Organic Letters</i> , 2013 , 15, 2826-9	6.2	29
243	Modernized low pressure carbonylation methods in batch and flow employing common acids as a CO source. <i>Organic Letters</i> , 2013 , 15, 2794-7	6.2	135
242	Synthesis of alkyl aryl ketones by Pd/light induced carbonylative cross-coupling of alkyl iodides and arylboronic acids. <i>Organic Letters</i> , 2013 , 15, 3142-5	6.2	60
241	Ruthenium-Catalyzed Addition of 1,3-Diketones to Terminal Alkynes. <i>Synlett</i> , 2013 , 24, 2287-2291	2.2	2
240	Synthesis of Alkylated Nitriles by [RuHCl(CO)(PPh ₃) ₃]-catalyzed Alkylation of Acetonitrile Using Primary Alcohols. <i>Chemistry Letters</i> , 2013 , 42, 1163-1165	1.7	32
239	Liquid- and Liquid-Liquid-Phase Reactions [Coupling Reactions 2013 , 99-108		
238	Gas-Liquid-Phase Reactions: Miscellaneous Reactions 2013 , 187-196		1
237	A construction of 4,4-spirocyclic lactams by tandem radical cyclization with carbon monoxide. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 1340-5	2.5	11
236	Flow Giese reaction using cyanoborohydride as a radical mediator. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 1791-6	2.5	18
235	Continuous Microflow [2 + 2] Photocycloaddition Reactions Using Energy-saving Compact Light Sources. <i>Journal of Flow Chemistry</i> , 2012 , 1, 40-45	3.3	53
234	Total synthesis and structural revision of hericerin. <i>Journal of Organic Chemistry</i> , 2012 , 77, 5819-22	4.2	26
233	Iron-catalyzed decarbonylation reaction of aliphatic carboxylic acids leading to β -olefins. <i>Chemical Communications</i> , 2012 , 48, 2552-4	5.8	64
232	RuHCl(CO)(PPh ₃) ₃ -catalyzed β -alkylation of ketones with primary alcohols. <i>Organic Letters</i> , 2012 , 14, 4703-5	6.2	92
231	Radical addition of alkyl halides to formaldehyde in the presence of cyanoborohydride as a radical mediator. A new protocol for hydroxymethylation reaction. <i>Journal of the American Chemical Society</i> , 2012 , 134, 875-7	16.4	55
230	Radical Chemistry by Using Flow Microreactor Technology 2012 ,		1
229	100 Gram Scale Synthesis of a Key Intermediate of Matrix Metalloproteinase Inhibitor in a Continuous-Flow System Based on a Copper-Free Sonogashira Reaction Using an Ionic Liquid as a Catalyst Support. <i>Synlett</i> , 2012 , 23, 2279-2283	2.2	20
228	Rh-catalyzed [5+1] and [4+1] cycloaddition reactions of 1,4-enyne esters with CO: a shortcut to functionalized resorcinols and cyclopentenones. <i>Chemistry - A European Journal</i> , 2012 , 18, 7243-7	4.8	54

227	Pd/light-accelerated atom-transfer carbonylation of alkyl iodides: applications in multicomponent coupling processes leading to functionalized carboxylic acid derivatives. <i>Chemistry - A European Journal</i> , 2012 , 18, 9415-22	4.8	63
226	Fluorous organic hybrid solvents for non-fluorous organic synthesis. <i>Topics in Current Chemistry</i> , 2012 , 308, 135-52		8
225	A Transition-Metal-Free Cross-Coupling Reaction of Allylic Bromides with Aryl- and Vinylboronic Acids. <i>Synlett</i> , 2012 , 23, 1085-1089	2.2	20
224	Synthesis of Carbamoylacetates from β -Iodoacetate, CO, and Amines under Pd/Light Combined Conditions. <i>Synlett</i> , 2012 , 23, 1331-1334	2.2	9
223	Nitroxide-Mediated Polymerization of Styrene, Butyl Acrylate, or Methyl Methacrylate by Microflow Reactor Technology. <i>Synthesis</i> , 2012 , 44, 2555-2559	2.9	22
222	Benchtop factory for cross-coupling reactions by circulatory catalyst flow using low-viscosity ionic liquid as reaction medium and catalyst support. <i>Green Processing and Synthesis</i> , 2012 , 1,	3.9	3
221	Free radical-mediated hydroxymethylation using CO and HCHO. <i>Chimia</i> , 2012 , 66, 372-6	1.3	13
220	Radical carbonylation of β alkynylamines leading to β -methylene lactams. Synthetic scope and the mechanistic insights. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 3780-6	3.9	31
219	Koch-Haaf reaction of adamantanol in an acid-tolerant hastelloy-made microreactor. <i>Beilstein Journal of Organic Chemistry</i> , 2011 , 7, 1288-93	2.5	19
218	Copper-free Sonogashira Coupling Reaction in Phosphonium Amino Acid Ionic Liquids. <i>Chemistry Letters</i> , 2011 , 40, 1027-1029	1.7	8
217	Diaryl Ketone Synthesis by [RuHCl(CO)(PPh ₃) ₃]-catalyzed Coupling Reaction of Arylboronic Acids with Aryl Aldehydes. <i>Chemistry Letters</i> , 2011 , 40, 1453-1455	1.7	15
216	Rapid access to 6-bromo-5,7-dihydroxyphthalide 5-methyl ether by a CuBr ₂ -mediated multi-step reaction: concise total syntheses of hericenone J and 5?-deoxohericenone C (hericene A). <i>Tetrahedron</i> , 2011 , 67, 9087-9092	2.4	20
215	Stereocontrolled synthesis of substituted bicyclic ethers through oxy-Favorskii rearrangement: total synthesis of (β)-communiol E. <i>Journal of Organic Chemistry</i> , 2011 , 76, 7096-103	4.2	22
214	Microflow photo-radical chlorination of cycloalkanes. <i>Chemical Engineering Journal</i> , 2011 , 167, 567-571	14.7	43
213	Atom-Economical Synthesis of Unsymmetrical Ketones through Photocatalyzed C-H Activation of Alkanes and Coupling with CO and Electrophilic Alkenes. <i>Angewandte Chemie</i> , 2011 , 123, 1909-1912	3.6	48
212	Atom-economical synthesis of unsymmetrical ketones through photocatalyzed C-H activation of alkanes and coupling with CO and electrophilic alkenes. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 1869-72	16.4	126
211	Efficient Iridium-Catalyzed Decarbonylation Reaction of Aliphatic Carboxylic Acids Leading to Internal or Terminal Alkenes. <i>Organometallics</i> , 2011 , 30, 1389-1394	3.8	53
210	Regioselective radical bromoallylation of allenes leading to 2-bromo-substituted 1,5-dienes. <i>Organic Letters</i> , 2011 , 13, 3864-7	6.2	40

209	Vicinal C-functionalization of alkenes. Pd/light-induced multicomponent coupling reactions leading to functionalized esters and lactones. <i>Organic Letters</i> , 2011 , 13, 2114-7	6.2	57
208	Diastereoselective [2 + 2] Photocycloaddition of Chiral Cyclic Enone and Cyclopentene Using a Microflow Reactor System. <i>Chemistry Letters</i> , 2010 , 39, 828-829	1.7	50
207	A Photoirradiative Phase-Vanishing Method: Efficient Generation of HBr from Alkanes and Molecular Bromine and Its Use for Subsequent Radical Addition to Terminal Alkenes. <i>Synlett</i> , 2010 , 2010, 2014-2018	2.2	20
206	Synthesis of 2-hydroxymethyl ketones by ruthenium hydride-catalyzed cross-coupling reaction of alpha,beta-unsaturated aldehydes with primary alcohols. <i>Organic Letters</i> , 2010 , 12, 1-3	6.2	58
205	Regioselective synthesis of 1-bromo-1,4-dienes by free-radical-mediated bromoallylation of activated acetylenes. <i>Organic Letters</i> , 2010 , 12, 4006-9	6.2	16
204	Black-light-induced radical/ionic hydroxymethylation of alkyl iodides with atmospheric CO in the presence of tetrabutylammonium borohydride. <i>Organic Letters</i> , 2010 , 12, 1548-51	6.2	47
203	Synthesis of alkyl alkynyl ketones by Pd/light-induced three-component coupling reactions of iodoalkanes, CO, and 1-alkynes. <i>Organic Letters</i> , 2010 , 12, 2410-3	6.2	102
202	Synthesis of functionalized resorcinols by rhodium-catalyzed [5+1] cycloaddition reaction of 3-acyloxy-1,4-enynes with CO. <i>Chemical Communications</i> , 2010 , 46, 5470-2	5.8	64
201	First determination of the rate constant for ring-closure of an azahexenoyl radical: 6-aza-7-ethyl-5-hexenoyl. <i>Chemical Communications</i> , 2010 , 46, 6521-3	5.8	29
200	Monolithic and Flexible Polyimide Film Microreactors for Organic Microchemical Applications Fabricated by Laser Ablation. <i>Angewandte Chemie</i> , 2010 , 122, 7217-7221	3.6	11
199	Innentitelbild: Monolithic and Flexible Polyimide Film Microreactors for Organic Microchemical Applications Fabricated by Laser Ablation (Angew. Chem. 39/2010). <i>Angewandte Chemie</i> , 2010 , 122, 7064-7064	2.6	64
198	Monolithic and flexible polyimide film microreactors for organic microchemical applications fabricated by laser ablation. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 7063-7	16.4	58
197	Inside Cover: Monolithic and Flexible Polyimide Film Microreactors for Organic Microchemical Applications Fabricated by Laser Ablation (Angew. Chem. Int. Ed. 39/2010). <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 6910-6910	16.4	
196	Novel Radical Cyclization Method Accompanied by Elimination of Hydrazyl Radical. <i>Heterocycles</i> , 2010 , 80, 879	0.8	0
195	Multi-Task Catalyst: Ruthenium Hydride Catalyzed Atom-Economical Bond Forming Reactions. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2010 , 68, 649-658	0.2	1
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