

# Michael G Organ

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4610083/michael-g-organ-publications-by-citations.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

157  
papers

10,294  
citations

49  
h-index

99  
g-index

196  
ext. papers

11,109  
ext. citations

6.2  
avg, IF

6.45  
L-index

#	Paper	IF	Citations
157	Palladium complexes of N-heterocyclic carbenes as catalysts for cross-coupling reactions--a synthetic chemist's perspective. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 2768-813	16.4	1411
156	The development of bulky palladium NHC complexes for the most-challenging cross-coupling reactions. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 3314-32	16.4	702
155	Easily prepared air- and moisture-stable Pd-NHC (NHC=N-heterocyclic carbene) complexes: a reliable, user-friendly, highly active palladium precatalyst for the Suzuki-Miyaura reaction. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 4743-8	4.8	631
154	A user-friendly, all-purpose Pd-NHC (NHC=N-heterocyclic carbene) precatalyst for the Negishi reaction: a step towards a universal cross-coupling catalyst. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 4749-55	4.8	386
153	Pd-PEPPSI-IPent: an active, sterically demanding cross-coupling catalyst and its application in the synthesis of tetra-ortho-substituted biaryls. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 2383-7	16.4	311
152	A microreactor for microwave-assisted capillary (continuous flow) organic synthesis. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 8160-7	16.4	240
151	Biaryls made easy: PEPPSI and the Kumada-Tamao-Corriu reaction. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 150-7	4.8	210
150	Structure-activity relationship analysis of Pd-PEPPSI complexes in cross-couplings: a close inspection of the catalytic cycle and the precatalyst activation model. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 10844-53	4.8	202
149	Pd-catalyzed aryl amination mediated by well defined, N-heterocyclic carbene (NHC)-Pd precatalysts, PEPPSI. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 2443-52	4.8	197
148	Pd-PEPPSI Complexes and the Negishi Reaction. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 4343-4354	4.8	191
147	Carbon-Heteroatom Coupling Using Pd-PEPPSI Complexes. <i>Organic Process Research and Development</i> , <b>2014</b> , 18, 180-190	3.9	180
146	Pd-NHC (PEPPSI) Complexes: Synthetic Utility and Computational Studies into Their Reactivity. <i>Synthesis</i> , <b>2008</b> , 2008, 2776-2797	2.9	174
145	Electronic nature of N-heterocyclic carbene ligands: effect on the Suzuki reaction. <i>Organic Letters</i> , <b>2005</b> , 7, 1991-4	6.2	162
144	Catalysis in capillaries by Pd thin films using microwave-assisted continuous-flow organic synthesis (MACOS). <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2761-6	16.4	157
143	Designing Pd-N-Heterocyclic Carbene Complexes for High Reactivity and Selectivity for Cross-Coupling Applications. <i>Accounts of Chemical Research</i> , <b>2017</b> , 50, 2244-2253	24.3	155
142	Pd-PEPPSI-IPent: low-temperature Negishi cross-coupling for the preparation of highly functionalized, tetra-ortho-substituted biaryls. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 2014-7	16.4	147
141	Die Entwicklung raumerfüllender Palladium-NHC-Komplexe für anspruchsvollste Kreuzkupplungsreaktionen. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 3370-3388	3.6	145

140	The first Negishi cross-coupling reaction of two alkyl centers utilizing a Pd-N-heterocyclic carbene (NHC) catalyst. <i>Organic Letters</i> , <b>2005</b> , 7, 3805-7	6.2	139
139	Pd-PEPPSI-IPent(Cl): a highly effective catalyst for the selective cross-coupling of secondary organozinc reagents. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 11354-7	16.4	134
138	Carbon-sulfur bond formation of challenging substrates at low temperature by using Pd-PEPPSI-IPent. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 11719-22	4.8	112
137	Amination with Pd-NHC complexes: rate and computational studies on the effects of the oxidative addition partner. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 3086-90	4.8	111
136	Towards the rational design of palladium-N-heterocyclic carbene catalysts by a combined experimental and computational approach. <i>Tetrahedron</i> , <b>2005</b> , 61, 9723-9735	2.4	108
135	Regioselective cross-coupling of allylboronic acid pinacol ester derivatives with aryl halides via Pd-PEPPSI-IPent. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 17470-3	16.4	106
134	Propargyl amine synthesis catalysed by gold and copper thin films by using microwave-assisted continuous-flow organic synthesis (MACOS). <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 126-33	4.8	106
133	Multicomponent reactions to form heterocycles by microwave-assisted continuous flow organic synthesis. <i>ACS Combinatorial Science</i> , <b>2007</b> , 9, 14-6		104
132	Negishi cross-coupling of secondary alkylzinc halides with aryl/heteroaryl halides using Pd-PEPPSI-IPent. <i>Chemical Communications</i> , <b>2011</b> , 47, 5181-3	5.8	102
131	A microcapillary system for simultaneous, parallel microwave-assisted synthesis. <i>Chemistry - A European Journal</i> , <b>2005</b> , 11, 7223-7	4.8	100
130	Room-temperature amination of deactivated aniline and aryl halide partners with carbonate base using a Pd-PEPPSI-IPentCl-o-picoline catalyst. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 3223-6	16.4	97
129	Room-temperature Negishi cross-coupling of unactivated alkyl bromides with alkyl organozinc reagents utilizing a Pd/N-heterocyclic carbene catalyst. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 8503-7	4.2	96
128	On the role of additives in alkyl-alkyl Negishi cross-couplings. <i>Chemical Communications</i> , <b>2010</b> , 46, 4109-18	5.8	95
127	Pd PEPPSI-IPr-mediated reactions in metal-coated capillaries under MACOS: the synthesis of indoles by sequential aryl amination/Heck coupling. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 1351-6	4.8	95
126	Amination with Pd-NHC complexes: rate and computational studies involving substituted aniline substrates. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 145-51	4.8	93
125	On the remarkably different role of salt in the cross-coupling of arylzincs from that seen with alkylzincs. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 4386-9	16.4	91
124	An efficient low-temperature Stille-Migita cross-coupling reaction for heteroaromatic compounds by Pd-PEPPSI-IPent. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 4279-83	4.8	87
123	High yielding alkylations of unactivated sp <sup>3</sup> and sp <sup>2</sup> centres with alkyl-9-BBN reagents using an NHC-based catalyst: Pd-PEPPSI-IPrf. <i>Chemical Communications</i> , <b>2008</b> , 735-7	5.8	83

122	Higher-order zincates as transmetalators in alkyl-alkyl Negishi cross-coupling. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 7024-7	16.4	79
121	Density functional theory investigation of the alkyl-alkyl Negishi cross-coupling reaction catalyzed by N-heterocyclic carbene (NHC)-Pd complexes. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 4281-8	4.8	79
120	Selective Monoarylation of Primary Amines Using the Pd-PEPPSI-IPent(Cl) Precatalyst. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9507-11	16.4	73
119	Catalysis in Capillaries by Pd Thin Films Using Microwave-Assisted Continuous-Flow Organic Synthesis (MACOS). <i>Angewandte Chemie</i> , <b>2006</b> , 118, 2827-2832	3.6	66
118	Pd-PEPPSI-IPent(Cl): an effective catalyst for the preparation of triaryl amines. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 843-5	4.8	64
117	Scaling out by microwave-assisted, continuous flow organic synthesis (MACOS): multi-gram synthesis of bromo- and fluoro-benzofused sultams benzthioxazepine-1,1-dioxides. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 10959-62	4.8	64
116	The Selective Cross-Coupling of Secondary Alkyl Zinc Reagents to Five-Membered-Ring Heterocycles Using Pd-PEPPSI-IHept(Cl). <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 9502-6	16.4	63
115	Synthesis of stereodefined polysubstituted olefins. 1. Sequential intermolecular reactions involving selective, stepwise insertion of Pd(0) into allylic and vinylic halide bonds. The stereoselective synthesis of disubstituted olefins. <i>Journal of Organic Chemistry</i> , <b>2000</b> , 65, 7959-70	4.2	59
114	Identification of a higher-order organozincate intermediate involved in Negishi cross-coupling reactions by mass spectrometry and NMR spectroscopy. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 7845-51	4.8	58
113	Differentiating C-Br and C-Cl bond activation by using solvent polarity: applications to orthogonal alkyl-alkyl Negishi reactions. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 3896-9	16.4	57
112	A Continuous-Flow Microwave Reactor for Conducting High-Temperature and High-Pressure Chemical Reactions. <i>Organic Process Research and Development</i> , <b>2014</b> , 18, 1310-1314	3.9	54
111	Sulfination by using Pd-PEPPSI complexes: studies into precatalyst activation, cationic and solvent effects and the role of butoxide base. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 2749-56	4.8	53
110	Diels-Alder cycloadditions by microwave-assisted, continuous flow organic synthesis (MACOS): the role of metal films in the flow tube. <i>Chemical Communications</i> , <b>2008</b> , 838-40	5.8	50
109	Pd-PEPPSI-IPentCl: A Highly Effective Catalyst for the Selective Cross-Coupling of Secondary Organozinc Reagents. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 11516-11519	3.6	49
108	[(IPent)PdCl <sub>2</sub> (morpholine)]: a readily activated precatalyst for room-temperature, additive-free carbon-sulfur coupling. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 15790-8	4.8	48
107	Gold-film-catalysed hydrosilylation of alkynes by microwave-assisted, continuous-flow organic synthesis (MACOS). <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 9641-6	4.8	48
106	Potassium isopropoxide: for sulfination it is the only base you need!. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 16196-9	4.8	47
105	Potassium 2,2,5,7,8-pentamethylchroman-6-oxide: a rationally designed base for Pd-catalysed amination. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 804-7	4.8	45

104	Continuous flow Negishi cross-couplings employing silica-supported Pd-PEPPSIIPr precatalyst. <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 4733-4742	5.5	44
103	Mechanism of Nucleophilic Attack on 1- and 2-Bromo(Allyl)palladium Complexes1. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 9283-9290	16.4	44
102	Synthesis of 4-(5-iodo-3-methylpyrazolyl) phenylsulfonamide and its elaboration to a COX II inhibitor library by solution-phase suzuki coupling using Pd/C as a solid-supported catalyst. <i>ACS Combinatorial Science</i> , <b>2003</b> , 5, 118-24		43
101	Handling Hazards Using Continuous Flow Chemistry: Synthesis of N1-Aryl-[1,2,3]-triazoles from Anilines via Telescoped Three-Step Diazotization, Azidodediazotization, and [3 + 2] Dipolar Cycloaddition Processes. <i>Organic Process Research and Development</i> , <b>2016</b> , 20, 1967-1973	3.9	43
100	Pd-PEPPSI-IHept(Cl) : A General-Purpose, Highly Reactive Catalyst for the Selective Coupling of Secondary Alkyl Organozincs. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 14531-4	4.8	42
99	Multicomponent, flow diazotization/Mizoroki-Heck coupling protocol: dispelling myths about working with diazonium salts. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 6603-7	4.8	40
98	Approach toward the total synthesis of orevactaene. 2. Convergent and stereoselective synthesis of the C18-C31 domain of orevactaene. Evidence for the relative configuration of the side chain. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 5176-83	4.2	40
97	Pd-PEPPSI-IPent-SiO : A Supported Catalyst for Challenging Negishi Coupling Reactions in Flow. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 13347-13350	16.4	39
96	Synthesis of a unique isoindoline/tetrahydroisoquinoline-based tricyclic sultam library utilizing a Heck-aza-Michael strategy. <i>ACS Combinatorial Science</i> , <b>2012</b> , 14, 211-7	3.9	37
95	Formation of substituted pyrroles via an imine condensation/Aza-Claisen rearrangement/imine-allene cyclization process by MAOS. <i>ACS Combinatorial Science</i> , <b>2008</b> , 10, 142-7		36
94	Metal-catalyzed coupling reactions on an olefin template: the total synthesis of (13E,15E,18Z,20Z)-1-hydroxypentacos- 13,15,18,20-tetraen-11-yn-4-one 1-acetate. <i>Journal of Organic Chemistry</i> , <b>2004</b> , 69, 695-700	4.2	36
93	Controlling chemoselectivity in vinyl and allylic C-X bond activation with palladium catalysis: a pK(a)-based electronic switch. <i>Journal of the American Chemical Society</i> , <b>2002</b> , 124, 1288-94	16.4	35
92	On The Remarkably Different Role of Salt in the Cross-Coupling of Arylzincs From That Seen With Alkylzincs. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 4475-4478	3.6	34
91	Gold film-catalysed benzannulation by microwave-assisted, continuous flow organic synthesis (MACOS). <i>Beilstein Journal of Organic Chemistry</i> , <b>2009</b> , 5, 35	2.5	34
90	The effect of vicinyl olefinic halogens on cross-coupling reactions using Pd(0) catalysis. <i>Tetrahedron</i> , <b>2004</b> , 60, 9453-9461	2.4	34
89	Discovery of an antivirulence compound that reverses $\beta$ lactam resistance in MRSA. <i>Nature Chemical Biology</i> , <b>2020</b> , 16, 143-149	11.7	34
88	The Selective Cross-Coupling of Secondary Alkyl Zinc Reagents to Five-Membered-Ring Heterocycles Using Pd-PEPPSI-IHeptCl. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 9638-9642	3.6	33
87	Process analytical tools for flow analysis: A perspective. <i>Journal of Flow Chemistry</i> , <b>2017</b> , 7, 82-86	3.3	32

86	Selective Cross-Coupling of (Hetero)aryl Halides with Ammonia To Produce Primary Arylamines using Pd-NHC Complexes. <i>Organometallics</i> , <b>2017</b> , 36, 251-254	3.8	31
85	Studies on the mechanism of B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> -catalyzed hydrostannylation of propargylic alcohol derivatives. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 9834-7	16.4	29
84	An expedient and facile one-step synthesis of a biguanide library by microwave irradiation coupled with simple product filtration. Inhibitors of dihydrofolate reductase. <i>ACS Combinatorial Science</i> , <b>2004</b> , 6, 776-82		29
83	Room-Temperature Amination of Deactivated Aniline and Aryl Halide Partners with Carbonate Base Using a Pd-PEPPSI-IPentCl- o-Picoline Catalyst. <i>Angewandte Chemie</i> , <b>2014</b> , 126, 3287-3290	3.6	28
82	Differentiating C-Br and C-Cl Bond Activation by Using Solvent Polarity: Applications to Orthogonal Alkyl-Alkyl Negishi Reactions. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 3982-3985	3.6	27
81	The development of a general strategy for the synthesis of tyramine-based natural products by using continuous flow techniques. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 12797-800	4.8	27
80	Pd-PEPPSI-IPent : A Useful Catalyst for the Coupling of 2-Aminopyridine Derivatives. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 3206-3212	4.8	26
79	Higher-Order Zincates as Transmetalators in Alkyl-Alkyl Negishi Cross-Coupling. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 7130-7133	3.6	26
78	In situ generation and intramolecular Schmidt reaction of keto azides in a microwave-assisted flow format. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 9595-8	4.8	26
77	Use of olefin templates in queued chemical transformations using late transition metal catalysis. Total synthesis of cis and trans bupleurynol via a single multireaction sequence. <i>Organic Letters</i> , <b>2004</b> , 6, 2913-6	6.2	26
76	Combining the use of solid-supported transition metal catalysis with microwave irradiation in solution-phase parallel library synthesis. <i>Molecular Diversity</i> , <b>2003</b> , 7, 211-27	3.1	26
75	2,2PAzobis(2-methylpropionitrile)-mediated alkyne hydrostannylation: reaction mechanism. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 11334-8	16.4	25
74	Accessing Stereochemically Rich Sultams via Microwave-Assisted, Continuous Flow Organic Synthesis (MACOS) Scale-out. <i>Journal of Flow Chemistry</i> , <b>2011</b> , 1, 32-39	3.3	25
73	The Contemporary Suzuki-Miyaura Reaction <b>2011</b> , 213-262		25
72	Cross-Coupling of Primary Amides to Aryl and Heteroaryl Partners Using (DiMeIHept)Pd Promoted by Trialkylboranes or B(CF). <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 18436-18439	16.4	24
71	Selective Monoarylation of Primary Amines Using the Pd-PEPPSI-IPentCl Precatalyst. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 9643-9647	3.6	23
70	Using Anilines as Masked Cross-Coupling Partners: Design of a Telescoped Three-Step Flow Diazotization, Iododiazotization, Cross-Coupling Process. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 17407-17415	4.8	22
69	Synthesis of an Isoindoline-Annulated, Tricyclic Sultam Library via Microwave-Assisted, Continuous-Flow Organic Synthesis (MACOS). <i>Synthesis</i> , <b>2012</b> , 44,	2.9	22

68	New reactions involving palladacyclobutanes: The attack of phenoxide ion at the central carbon of both 1- and 2-bromo(allyl)palladium complexes. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 8181-8184	2	22
67	The synthesis of deoxyfusapyrone. 2. Preparation of the bis-trisubstituted olefin fragment and its attachment to the pyrone moiety. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 5568-74	4.2	22
66	A concise synthesis of silanediol-based transition-state isostere inhibitors of proteases. <i>Organic Letters</i> , <b>2002</b> , 4, 2683-5	6.2	22
65	N-Heteroarylation of Optically Pure $\beta$ -Amino Esters using the Pd-PEPPSI-IPent -o-picoline Pre-Catalyst. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 14860-14863	4.8	20
64	A modular, general and enantiospecific strategy for the synthesis of CVS 1778 analogs: inhibitors of factor Xa. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 8177-8180	2	20
63	Metal-catalyzed coupling reactions on an olefin template: the total synthesis of Bupleurynol. <i>Tetrahedron Letters</i> , <b>2003</b> , 44, 6805-6808	2	20
62	Approach toward the total synthesis of orevactaene. Part 1: Assembly of the contiguous trisubstituted olefin component. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 6945-6949	2	19
61	A General Protocol for the Broad-Spectrum Cross-Coupling of Nonactivated Sterically Hindered 1° and 2° Amines. <i>Organometallics</i> , <b>2017</b> , 36, 3573-3577	3.8	18
60	Facile (triazolyl)methylation of MACOS-derived benzofused sultams utilizing ROMP-derived OTP reagents. <i>ACS Combinatorial Science</i> , <b>2012</b> , 14, 268-72	3.9	18
59	Iodolactonization: Synthesis, Stereocontrol, and Compatibility Studies. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 175-182	3.2	15
58	Application of a Double Aza-Michael Reaction in a Click, Click, Cy-Click Strategy: From Bench to Flow. <i>Synthesis</i> , <b>2011</b> , 2011, 2743-2750	2.9	15
57	Solution phase synthesis of libraries of variably substituted olefin scaffolds: a library of allylic amines. <i>ACS Combinatorial Science</i> , <b>2001</b> , 3, 64-7		15
56	A Flow Reactor with Inline Analytics: Design and Implementation. <i>Organic Process Research and Development</i> , <b>2014</b> , 18, 1315-1320	3.9	14
55	Highly stereo- and regioselective hydrostannylation of internal alkynes promoted by simple boric acid in air. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 10821-4	4.8	14
54	Automated synthesis of a library of triazolated 1,2,5-thiadiazepane 1,1-dioxides via a double aza-Michael strategy. <i>ACS Combinatorial Science</i> , <b>2012</b> , 14, 456-9	3.9	14
53	Multicapillary Flow Reactor: Synthesis of 1,2,5-Thiadiazepane 1,1-Dioxide Library Utilizing One-Pot Elimination and Inter-/Intramolecular Double aza-Michael Addition Via Microwave-Assisted, Continuous-Flow Organic Synthesis (MACOS). <i>Journal of Flow Chemistry</i> , <b>2012</b> , 2,	3.3	14
52	Allylic ionization versus oxidative addition into vinyl C-X bonds by Pd with polyfunctional olefin templates. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 16087-92	16.4	14
51	Differentiating allylic and vinylic leaving groups for Pd catalysis. The use of vinyl iodide to facilitate room temperature activation of a vinyl C-X bond in the presence of allyl carbonate. <i>Tetrahedron Letters</i> , <b>2003</b> , 44, 4403-4406	2	14

50	A Single-Stage, Continuous High-Efficiency Extraction Device (HEED) for Flow Synthesis. <i>Organic Process Research and Development</i> , <b>2016</b> , 20, 1738-1743	3.9	14
49	On the hydrostannylation of aryl propargylic alcohols and their derivatives: remarkable differences in both regio- and stereoselectivity in radical- and nonradical-mediated transformations. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 8579-83	4.8	13
48	Pronounced solvent effect on the hydrostannylation of propargylic alcohol derivatives with nBu <sub>3</sub> SnH/Et <sub>3</sub> B at room temperature. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 2615-8	4.8	13
47	Sterically demanding imidazolium salts through the activation and cyclization of formamides. <i>Chemical Communications</i> , <b>2012</b> , 48, 10352-4	5.8	13
46	Studies on the Mechanism of B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> -Catalyzed Hydrostannylation of Propargylic Alcohol Derivatives. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 9972-9975	3.6	13
45	On the regiochemistry of nucleophilic attack on 2-halo pi-allyl complexes. 4. The effect of silver acetate and nucleophile concentrations in competitive nucleophilic attack with malonate and phenoxide nucleophiles. <i>Journal of Organic Chemistry</i> , <b>2003</b> , 68, 3918-22	4.2	13
44	The use of a supported base and strong cation exchange (SCX) chromatography to prepare a variety of structurally-diverse molecular libraries prepared by solution-phase methods. <i>Combinatorial Chemistry and High Throughput Screening</i> , <b>2002</b> , 5, 211-8	1.3	13
43	What Industrial Chemists Want Are Academics Giving It to Them?. <i>Organometallics</i> , <b>2019</b> , 38, 66-75	3.8	12
42	Salt to Taste: The Critical Roles Played by Inorganic Salts in Organozinc Formation and in the Negishi Reaction. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 12224-12241	16.4	12
41	Murahashi Cross-Coupling at -78 °C: A One-Pot Procedure for Sequential C-C/C-C, C-C/C-N, and C-C/C-S Cross-Coupling of Bromo-Chloro-Arenes. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 9180-9184	4.8	11
40	Pd-PEPPSI-IPent-SiO <sub>2</sub> : A Supported Catalyst for Challenging Negishi Coupling Reactions in Flow. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 13532-13535	3.6	11
39	Kinetic versus thermodynamic stereoselectivity in the hydrostannylation of propargylic alcohol derivatives using AIBN and Et <sub>3</sub> B as promoters. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 10817-20	4.8	11
38	Synthesis of amino-benzothiazepine-1,1-dioxides utilizing a microwave-assisted, S(N) <sub>Ar</sub> protocol. <i>ACS Combinatorial Science</i> , <b>2011</b> , 13, 653-8	3.9	10
37	A Path to More Sustainable Catalysis: The Critical Role of LiBr in Avoiding Catalyst Death and its Impact on Cross-Coupling. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 4861-4865	4.8	9
36	Intelligent Continuous Collection Device for High-Pressure Flow Synthesis: Design and Implementation. <i>Organic Process Research and Development</i> , <b>2016</b> , 20, 517-524	3.9	9
35	Assessing synthetic strategies: total syntheses of (+/-)-neodolabellane-type diterpenoids. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 8239-45	4.8	9
34	Sampling and Analysis in Flow: The Keys to Smarter, More Controllable, and Sustainable Fine-Chemical Manufacturing. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 60, 20606-20626	16.4	9
33	A Multiconfiguration Valve for Uninterrupted Sampling from Heterogeneous Slurries: An Application to Flow Chemistry. <i>Organic Process Research and Development</i> , <b>2017</b> , 21, 1051-1058	3.9	8

32	Flow Chemistry as a Drug Discovery Tool: A Medicinal Chemistry Perspective. <i>Topics in Heterocyclic Chemistry</i> , <b>2018</b> , 319-341	0.2	8
31	2,2'-Azobis(2-methylpropionitrile)-Mediated Alkyne Hydrostannylation: Reaction Mechanism. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 11544-11548	3.6	8
30	On the regiochemistry of nucleophilic attack on 2-halo allyl complexes. Part 3: The electronic effect of phenoxide ion and the ligand. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 8989-8992	2	8
29	The synthesis of deoxyfusapyrone. 1. An approach to the pyrone moiety. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 7847-51	4.2	8
28	The preparation of amino-substituted biaryl libraries: the application of solid-supported reagents to streamline solution-phase synthesis. <i>Biotechnology and Bioengineering</i> , <b>2000</b> , 71, 71-7	4.9	8
27	The Role of LiBr and ZnBr on the Cross-Coupling of Aryl Bromides with Bu Zn or BuZnBr. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 15751-15754	4.8	7
26	Panning for gold in a hot flowing stream <b>2010</b> , 43, 105-113		7
25	Solution-phase synthesis of an aminomethyl-substituted biaryl library via sequential amine N-alkylation and Suzuki cross-coupling. <i>ACS Combinatorial Science</i> , <b>2001</b> , 3, 473-6		7
24	In situ generation and Diels-Alder reaction of benzyne derivatives with 5-membered ring heterocycles using a microcapillary flow reactor. <i>Journal of Flow Chemistry</i> , <b>2016</b> , 6, 293-296	3.3	7
23	Pd-N-Heterocyclic Carbene Complexes in Cross-Coupling Applications <b>2016</b> , 134-175		7
22	Pd-PEPPSI-IPentCl-Catalyzed Amination Using Aminotriphenylsilane as an Ammonia Surrogate. <i>European Journal of Organic Chemistry</i> , <b>2017</b> , 2017, 1510-1513	3.2	5
21	The synthesis of ethanolamine libraries from olefin scaffolds. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 8407-8411	2	5
20	One-Pot Sequential Kumada-Tamao-Corriu Couplings of (Hetero)Aryl Polyhalides in the Presence of Grignard-Sensitive Functional Groups Using Pd-PEPPSI-IPent. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 6508-6512	4.8	4
19	Solvent choice and kinetic isotope effects (KIEs) dramatically alter regioselectivity in the directed ortho metalation (DoM) of 1,5-dichloro-2,4-dimethoxybenzene. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 1888-93	4.8	4
18	The Synthesis of Warfarin Using a Reconfigurable-Reactor Platform Integrated to a Multiple-Variable Optimization Tool. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 15505-15508	4.8	4
17	Experimental and Computational Study on the Anti-Markovnikov Hydrofunctionalization of Olefins Using Glycine-Extended AQ-Auxiliaries. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 3855-3860	4.8	4
16	Rate and Computational Studies for Pd-NHC-Catalyzed Amination with Primary Alkylamines and Secondary Anilines: Rationalizing Selectivity for Monoarylation versus Diarylation with NHC Ligands. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 14223-14229	4.8	3
15	The Negishi Cross-Coupling Reaction <b>2019</b> , 1-62		2

14	The Synthesis of Stereodefined Trisubstituted Olefins From Olefin Templates Using Pd Catalysis □ Synthesis of the Antihypertensive Isbogrel. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 5374-5382 <sup>3,2</sup>	2
13	Sampling and Analysis in Flow: The Keys to Smarter, More Controllable, and Sustainable Fine-Chemical Manufacturing. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 20774-20794	3.6 2
12	Obtaining Kinetics From Continuous Processes: Sampling Multiple Time Points Concurrently With a Single Valve Rotation. <i>Chemistry Methods</i> , <b>2021</b> , 1, 131-134	2
11	Sodium Butylated Hydroxytoluene (NaBHT) as a New and Efficient Hydride Source for Pd-Catalysed Reduction Reactions. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 13099-13103	4.8 1
10	Sodium Butylated Hydroxytoluene: A Functional Group Tolerant, Eco-Friendly Base for Solvent-Free, Pd-Catalysed Amination. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 12535-12539	4.8 1
9	trans-[1,3-Bis(2,6-Di-3-pentylphenyl)imidazol-2-ylidene](3-chloropyridyl)palladium(II) Dichloride (Pd-PEPPSITM-IPent) <b>2016</b> , 1-5	1
8	Salt to Taste: The Critical Roles Played by Inorganic Salts in Organozinc Formation and in the Negishi Reaction. <i>Angewandte Chemie</i> , <b>2021</b> , 133, 12332-12349	3.6 1
7	Lithium aluminum hydride in flow: overcoming exotherms, solids, and gas evolution en route to chemoselective reductions. <i>Journal of Flow Chemistry</i> , 1	3.3 0
6	(DiMeIHept)Pd: A Low-Load Catalyst for Solvent-Free (Melt) Amination. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 10343-10359	4.2 0
5	Structural Insights into the Inhibition of Undecaprenyl Pyrophosphate Synthase from Gram-Positive Bacteria. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 13540-13550	8.3 0
4	Catalysis and Multi-Component Reactions. <i>Advances in Experimental Medicine and Biology</i> , <b>2011</b> , 1-29	3.6
3	Inside Cover: Identification of a Higher-Order Organozincate Intermediate Involved in Negishi Cross-Coupling Reactions by Mass Spectrometry and NMR Spectroscopy (Chem. Eur. J. 28/2011). <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 7706-7706	4.8
2	Inside Cover: Propargyl Amine Synthesis Catalysed by Gold and Copper Thin Films by Using Microwave-Assisted Continuous-Flow Organic Synthesis (MACOS) (Chem. Eur. J. 1/2010). <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 2-2	4.8
1	Intelligent Multidimensional Purity Analysis and Confirmation Tool for Multiple Attribute Analysis. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 3905-3913	7.8