

Toshiki Nokami

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.

128
papers

3,973
citations

33
h-index

59
g-index

163
ext. papers

4,438
ext. citations

5.3
avg, IF

5.34
L-index

#	Paper	IF	Citations
128	Dicationic-Type Quaternary Ammonium Salts as Candidates of Desiccants for an Air-Conditioning System. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 14502-14514	8.3	2
127	Chemistry of Tertiary Carbon Center in the Formation of Congested C-O Ether Bonds. <i>Angewandte Chemie</i> , 2021 , 133, 4375-4380	3.6	0
126	Unique Photophysical Properties of 1,8-Naphthalimide Derivatives: Generation of Semi-stable Radical Anion Species by Photo-Induced Electron Transfer from a Carboxy Group. <i>ACS Omega</i> , 2021 , 6, 13456-13465	3.9	1
125	Electrochemical Assembly for Synthesis of Middle-Sized Organic Molecules. <i>Chemical Record</i> , 2021 , 21, 2389-2396	6.6	1
124	Kinetic and thermodynamic insights into the inhibitory mechanism of TMG-chitotriomycin on <i>Vibrio campbellii</i> GH20 exo- β -N-acetylglucosaminidase. <i>Carbohydrate Research</i> , 2021 , 499, 108201	2.9	3
123	Chemistry of Tertiary Carbon Center in the Formation of Congested C-O Ether Bonds. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 4329-4334	16.4	2
122	Electrochemical Synthesis of Oligosaccharides as Middle-Sized Molecules 2021 , 127-137		
121	Innentitelbild: Chemistry of Tertiary Carbon Center in the Formation of Congested C-O Ether Bonds (Angew. Chem. 8/2021). <i>Angewandte Chemie</i> , 2021 , 133, 3870-3870	3.6	
120	Paired Electrolysis 2021 , 209-223		1
119	Control of the data-retention characteristics of ionic-liquid conducting-bridge memory by designing device structures based on corrosion mechanisms. <i>Applied Physics Express</i> , 2021 , 14, 084005	2.4	
118	Synthesis of Oligosaccharides of Glucosamine by Automated Electrochemical Assembly. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2021 , 79, 839-848	0.2	2
117	Electrochemical Activation of Glycosyl Donors 2021 , 313-326		
116	Liquid-Solid Hybrid Memory Device Achieved by Unique Features of Ionic Liquids. <i>IEEE Access</i> , 2021 , 9, 71013-71021	3.5	
115	Piperidinium-Based Ionic Liquids as an Electrolyte Solvent for Li-Ion Batteries: Effect of Number and Position of Oxygen Atom in Cation Side Chain on Electrolyte Property. <i>Journal of the Electrochemical Society</i> , 2020 , 167, 070516	3.9	11
114	Visible-Light-Driven Direct 2,2-Difluoroacetylation Using an Organic Pigment Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 6533-6542	8.3	5
113	Total synthesis of Myc-IV(C16:0, S) via automated electrochemical assembly. <i>Carbohydrate Research</i> , 2020 , 492, 108018	2.9	10
112	From Chitin to CHILs: First Glucosamine based Ionic Liquids. <i>Asian Journal of Organic Chemistry</i> , 2020 , 9, 2092-2094	3	3

111	Design of quaternary ammonium type-ionic liquids as desiccants for an air-conditioning system. <i>Green Chemical Engineering</i> , 2020 , 1, 109-116	3	4
110	Electrochemical performance of Sn4P3 negative electrode for Na-ion batteries in ether-substituted ionic liquid electrolyte. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 845, 66-71	4.1	6
109	Mixed-Electrolyte-Driven Stereoselective Electrochemical Glycosylation. <i>ChemElectroChem</i> , 2019 , 6, 4149-4152	4.1	11
108	Synthesis of gem-Difluoromethylene Containing Cycloalkenes via the Ring-Opening Reaction of gem-Difluorocyclopropanes and Subsequent RCM Reaction. <i>Journal of Organic Chemistry</i> , 2019 , 84, 5440-5449	4.2	12
107	Oxo-Thiolation of Cationically Polymerizable Alkenes Using Flow Microreactors. <i>Chemistry - A European Journal</i> , 2019 , 25, 15239-15243	4.8	4
106	Electrochemical Glycosylation as an Enabling Tool for the Stereoselective Synthesis of Cyclic Oligosaccharides. <i>ChemistryOpen</i> , 2019 , 8, 869-872	2.3	12
105	From Electrochemical Glycosylation to A Sugar Machine. <i>Trends in Glycoscience and Glycotechnology</i> , 2019 , 31, SE74-SE75	0.1	5
104	Chemical and Enzymatic Synthesis and Production of Glycans 2019 , 65-86		
103	From Electrochemical Glycosylation to A Sugar Machine. <i>Trends in Glycoscience and Glycotechnology</i> , 2019 , 31, SJ74-SJ75	0.1	
102	Design of Acyl Donor for Environmentally Benign Acylation of Cellulose Using an Ionic Liquid. <i>Australian Journal of Chemistry</i> , 2019 , 72, 61	1.2	9
101	Enhanced activity and modified substrate-favoritism of Burkholderia cepacia lipase by the treatment with a pyridinium alkyl-PEG sulfate ionic liquid. <i>Tetrahedron</i> , 2019 , 75, 441-447	2.4	7
100	Design of ionic liquids as liquid desiccant for an air conditioning system. <i>Green Energy and Environment</i> , 2019 , 4, 139-145	5.7	26
99	Direct Extraction of Polysaccharides from Moso Bamboo (<i>Phyllostachys heterocycla</i>) Chips Using a Mixed Solvent System of an Amino Acid Ionic Liquid with Polar Aprotic Solvent. <i>Bulletin of the Chemical Society of Japan</i> , 2018 , 91, 398-404	5.1	9
98	Effects of the ether oxygen atom in alkyl side chains on the physical properties of piperidinium ionic liquids. <i>Faraday Discussions</i> , 2018 , 206, 523-534	3.6	9
97	Synthesis of 2,2-difluoro-homoallylic alcohols via ring-opening of gem-difluorocyclopropane and aerobic oxidation by photo-irradiation in the presence of an organic pigment. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 6106-6114	3.9	14
96	Automated Electrochemical Assembly of the β (1,3)- β (1,6)-Glucan Hexasaccharide Using Thioglucoside Building Blocks. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 1802-1805	3	13
95	Electrochemical Methods as Enabling Tools for Glycosylation. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 1719-1729	3	13
94	Use of Ionic Liquids for Synthetic Organic Chemistry. <i>Oleoscience</i> , 2018 , 18, 165-174	0.1	

93	Superior Electrochemical Performance of a NiB/Si Negative Electrode for Li-ion Batteries in an Ionic Liquid Electrolyte. <i>Chemistry Letters</i> , 2018 , 47, 1416-1419	1.7	3
92	Solvent Effect on Glycosylation 2017 , 59-77		8
91	Synthesis of a TMG-chitotriomycin Precursor Based on Electrolyte-free Electrochemical Glycosylation Using an Ionic Liquid Tag. <i>Chemistry Letters</i> , 2017 , 46, 683-685	1.7	13
90	Remarkably improved stability and enhanced activity of a Burkholderia cepacia lipase by coating with a triazolium alkyl-PEG sulfate ionic liquid. <i>Green Chemistry</i> , 2017 , 19, 5250-5256	10	18
89	Improvement of switching endurance of conducting-bridge random access memory by addition of metal-ion-containing ionic liquid. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 04CE13	1.4	3
88	Total synthesis of TMG-chitotriomycin based on an automated electrochemical assembly of a disaccharide building block. <i>Beilstein Journal of Organic Chemistry</i> , 2017 , 13, 919-924	2.5	26
87	Rational optimization of the mannoside building block for automated electrochemical assembly of the core trisaccharide of GPI anchor oligosaccharides. <i>Carbohydrate Research</i> , 2017 , 450, 44-48	2.9	21
86	Enhanced Activity of a Lipase by the Coating with a Quaternary Ammonium Alkyl-PEG Sulfate Ionic Liquid and Cooperative Activation with an Amino Acid. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 8541-8545	8.3	9
85	Liquid Quinones for Solvent-Free Redox Flow Batteries. <i>Advanced Materials</i> , 2017 , 29, 1606592	24	29
84	Metal-Free Benzylic C-H Amination via Electrochemically Generated Benzylaminosulfonium Ions. <i>Chemistry - A European Journal</i> , 2017 , 23, 61-64	4.8	54
83	Influence of the structure of the anion in an ionic liquid electrolyte on the electrochemical performance of a silicon negative electrode for a lithium-ion battery. <i>Journal of Power Sources</i> , 2017 , 338, 103-107	8.9	30
82	Significantly Improved Performance of a Conducting-bridge Random Access Memory (CB-RAM) Device Using Copper-containing Glyme Salt. <i>Chemistry Letters</i> , 2017 , 46, 1832-1835	1.7	3
81	?10?????????????????????3? ??????????????. <i>Electrochemistry</i> , 2017 , 85, 754-758	1.2	
80	Generation, Characterization, and Reactions of Thionium Ions Based on the Indirect Cation Pool Method. <i>Bulletin of the Chemical Society of Japan</i> , 2016 , 89, 61-66	5.1	7
79	Extraction of Polysaccharides from Japanese Cedar Using Phosphonate-Derived Polar Ionic Liquids Having Functional Groups. <i>Bulletin of the Chemical Society of Japan</i> , 2016 , 89, 879-886	5.1	10
78	Ionic-Liquid Tag with Multiple Functions in Electrochemical Glycosylation. <i>ChemElectroChem</i> , 2016 , 3, 2012-2016	4.3	9
77	Improved performance of a conducting-bridge random access memory using ionic liquids. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 7215-7222	7.1	5
76	CO ₂ Solubility in Ether Functionalized Ionic Liquids on Mole Fraction and Molarity Scales. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 525-535	8.3	37

75	Recent Progress on Nazarov Cyclizations: The Use of Iron Salts as Catalysts in Ionic Liquid Solvent Systems. <i>Chemical Record</i> , 2016 , 16, 1676-89	6.6	13
74	Influence of chirality on the cyclohexene-fused C60 fullerene derivatives as an acceptor partner in a photovoltaic cell. <i>Green Energy and Environment</i> , 2016 , 1, 149-155	5.7	7
73	Chemical Glycosylation by Single Electron Transfer. <i>Israel Journal of Chemistry</i> , 2015 , 55, 297-305	3.4	16
72	The Bülll Effect on the Memory of Chirality in Friedel-Crafts Alkylation Using Chiral Bülll Alcohols. <i>Organic Letters</i> , 2015 , 17, 3182-5	6.2	12
71	Automated electrochemical assembly of the protected potential TMG-chitotriomycin precursor based on rational optimization of the carbohydrate building block. <i>Organic Letters</i> , 2015 , 17, 1525-8	6.2	47
70	Development of n-Type Semiconductor Based on Cyclopentene- or Cyclohexene-Fused [C60]-Fullerene Derivatives. <i>Journal of Organic Chemistry</i> , 2015 , 80, 4638-49	4.2	14
69	Reaction Integration Using Electrogenerated Cationic Intermediates. <i>Bulletin of the Chemical Society of Japan</i> , 2015 , 88, 763-775	5.1	28
68	Copper Ion-containing Ionic Liquids Provide Improved Endurance and Switching Voltage Distributions of Conducting-bridge Random Access Memory. <i>Chemistry Letters</i> , 2015 , 44, 1578-1580	1.7	6
67	Esterification of Carboxylic Acids with Alkyl Halides Using Electroreduction. <i>Electrochemistry</i> , 2015 , 83, 161-164	1.2	2
66	Phosphonium alkyl PEG sulfate ionic liquids as coating materials for activation of Burkholderia cepacia lipase. <i>Biotechnology Journal</i> , 2015 , 10, 1944-51	5.6	14
65	Switching the reaction pathways of electrochemically generated haloalkoxysulfonium ions - synthesis of halohydrins and epoxides. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 242-8	2.5	22
64	Enhanced stability of the HFO2 electrolyte and reduced working voltage of a CB-RAM by an ionic liquid. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6966-6969	7.1	10
63	Lipase-mediated dynamic kinetic resolution (DKR) of secondary alcohols in the presence of zeolite using an ionic liquid solvent system. <i>Catalysis Today</i> , 2015 , 255, 41-48	5.3	18
62	3.?????????????????????????????????????. <i>Electrochemistry</i> , 2015 , 83, 472-476	1.2	1
61	Nitrogen-Containing Polycyclic Quinones as Cathode Materials for Lithium-ion Batteries with Increased Voltage. <i>Energy Technology</i> , 2014 , 2, 155-158	3.5	47
60	Synthesis of gem-difluoromethylene building blocks through regioselective allylation of gem-difluorocyclopropanes. <i>Organic Letters</i> , 2014 , 16, 2638-41	6.2	38
59	Synthesis of Ionic Liquids Equipped with 2-Methoxyethoxymethyl/Methoxymethyl Groups Using a Simple Microreactor System. <i>Organic Process Research and Development</i> , 2014 , 18, 1367-1371	3.9	9
58	Redox active dendronized polystyrenes equipped with peripheral triarylamines. <i>Beilstein Journal of Organic Chemistry</i> , 2014 , 10, 3097-103	2.5	8

57	Effect of Cation Structure of Ionic Liquids on Anode Properties of Si Electrodes for LIB. <i>Journal of the Electrochemical Society</i> , 2014 , 161, A1765-A1771	3.9	32
56	Iron-Catalyzed Nazarov Reaction of Indole, Benzofuran, and Benzo[b]thiophene Derivatives. <i>Heteroatom Chemistry</i> , 2014 , 25, 482-491	1.2	12
55	Introduction of two lithiooxycarbonyl groups enhances cyclability of lithium batteries with organic cathode materials. <i>Journal of Power Sources</i> , 2014 , 260, 211-217	8.9	114
54	Recent Progress of Chemical Glycosylations and Oligosaccharide Synthesis. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2014 , 72, 797-807	0.2	8
53	Automated solution-phase synthesis of oligosaccharides via iterative electrochemical assembly of thioglycosides. <i>Organic Letters</i> , 2013 , 15, 4520-3	6.2	83
52	Halogen and chalcogen cation pools stabilized by DMSO. Versatile reagents for alkene difunctionalization. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16070-3	16.4	121
51	Integration of electrooxidative cyclization and chemical oxidation via alkoxyulfonium ions. Synthesis of exocyclic ketones from alkenes with cyclization. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 3322-31	3.9	29
50	A possible means of realizing a sacrifice-free three component separation of lignocellulose from wood biomass using an amino acid ionic liquid. <i>Green Chemistry</i> , 2013 , 15, 1863	10	53
49	Synergetic Activation of Lipase by an Amino Acid with AlkylBEG Sulfate Ionic Liquid. <i>Chemistry Letters</i> , 2013 , 42, 663-665	1.7	22
48	Photovoltaic Properties of OPV Devices Using cis- and trans-2,5-Diarylfulleropyrrolidines as Acceptor Partners with P3HT on an ITO Electrode with or without PEDOT:PSS. <i>Chemistry Letters</i> , 2013 , 42, 1209-1211	1.7	8
47	Multiple Alkylation of Thiophene Derivatives with Simple and Extended Diarylcarbenium Ion Pools. <i>Electrochemistry</i> , 2013 , 81, 399-401	1.2	9
46	Recent Developments in the "Cation Pool" Method. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2013 , 71, 1136-1144	0.2	26
45	Polymer-bound pyrene-4,5,9,10-tetraone for fast-charge and -discharge lithium-ion batteries with high capacity. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19694-700	16.4	359
44	Synthetic carbohydrate research based on organic electrochemistry. <i>Carbohydrate Research</i> , 2012 , 363, 1-6	2.9	24
43	Oxidative hydroxylation mediated by alkoxyulfonium ions. <i>Organic Letters</i> , 2012 , 14, 938-41	6.2	62
42	Electrochemical generation of 2,3-oxazolidinone glycosyl triflates as an intermediate for stereoselective glycosylation. <i>Beilstein Journal of Organic Chemistry</i> , 2012 , 8, 456-60	2.5	27
41	Sulfonium Ions as Reactive Glycosylation Intermediates. <i>Trends in Glycoscience and Glycotechnology</i> , 2012 , 24, 203-214	0.1	14
40	Glycosyl sulfonium ions as storable intermediates for glycosylations. <i>Organic Letters</i> , 2011 , 13, 1544-7	6.2	58

39	TRPA1 underlies a sensing mechanism for O ₂ . <i>Nature Chemical Biology</i> , 2011 , 7, 701-11	11.7	197
38	Integrated electrochemical-chemical oxidation mediated by alkoxysulfonium ions. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11840-3	16.4	98
37	Electrochemically Generated ArS(ArSSAr)+B(C ₆ F ₅) ₄ is an Activator of Thioglycosides for Glycosylation. <i>Chemistry Letters</i> , 2011 , 40, 678-679	1.7	18
36	Indirect Cation-Flow Method: Flash Generation of Alkoxy-carbenium Ions and Studies on the Stability of Glycosyl Cations. <i>Angewandte Chemie</i> , 2011 , 123, 5259-5262	3.6	12
35	Indirect cation-flow method: flash generation of alkoxy-carbenium ions and studies on the stability of glycosyl cations. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 5153-6	16.4	61
34	Direct dendronization of polystyrenes using dendritic diarylcarbenium ion pools. <i>Chemical Communications</i> , 2011 , 47, 5575-7	5.8	20
33	Electrochemical synthesis of dendritic diarylcarbenium ion pools. <i>Tetrahedron</i> , 2011 , 67, 4664-4671	2.4	16
32	Space Integration of Reactions: An Approach to Increase the Capability of Organic Synthesis. <i>Synlett</i> , 2011 , 2011, 1189-1194	2.2	126
31	Addition of ArSSAr to carbon-carbon multiple bonds using electrochemistry. <i>Tetrahedron</i> , 2010 , 66, 2823-2829	2.4	24
30	A new highly sterically demanding silyl (TEDAMS) group. Synthesis by multiple substitution of tris(diphenylmethyl)silane with diarylcarbenium ions. <i>Tetrahedron Letters</i> , 2010 , 51, 4107-4109	2	21
29	Alpha- and beta-glycosyl sulfonium ions: generation and reactivity. <i>Chemistry - A European Journal</i> , 2009 , 15, 2252-5	4.8	68
28	Addition of ArSSAr to dienes via intramolecular C-C bond formation initiated by a catalytic amount of ArS ⁺ . <i>Chemical Communications</i> , 2009 , 5448-50	5.8	40
27	Generation of Diarylcarbenium Ion Pools via Electrochemical C-H Bond Dissociation. <i>Bulletin of the Chemical Society of Japan</i> , 2009 , 82, 594-599	5.1	32
26	Iterative molecular assembly based on the cation-pool method. Convergent synthesis of dendritic molecules. <i>Journal of the American Chemical Society</i> , 2008 , 130, 10864-5	16.4	56
25	Oligosaccharide Synthesis Based on a One-pot Electrochemical Glycosylation-moc Deprotection Sequence. <i>Chemistry Letters</i> , 2008 , 37, 942-943	1.7	32
24	Electrochemical Conversion of Thioglycosides to Glycosyl Triflates. <i>Trends in Glycoscience and Glycotechnology</i> , 2008 , 20, 175-185	0.1	7
23	Synthesis of a sialic acid alpha(2-3) galactose building block and its use in a linear synthesis of sialyl Lewis X. <i>Organic Letters</i> , 2007 , 9, 1777-9	6.2	64
22	Electrochemical generation of glycosyl triflate pools. <i>Journal of the American Chemical Society</i> , 2007 , 129, 10922-8	16.4	101

21	Generation and reactions of o-bromophenyllithium without benzyne formation using a microreactor. <i>Journal of the American Chemical Society</i> , 2007 , 129, 3046-7	16.4	219
20	Generation of pyridyl coordinated organosilicon cation pool by oxidative Si-Si bond dissociation. <i>Beilstein Journal of Organic Chemistry</i> , 2007 , 3, 7	2.5	13
19	Integrated micro flow synthesis based on sequential Br-Li exchange reactions of p-, m-, and o-dibromobenzenes. <i>Chemistry - an Asian Journal</i> , 2007 , 2, 1513-23	4.5	88
18	Palladium-catalyzed convergent synthesis and properties of conjugated dendrimers based on triarylethene branching. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 2404-9	16.4	61
17	Palladium-Catalyzed Convergent Synthesis and Properties of Conjugated Dendrimers Based on Triarylethene Branching. <i>Angewandte Chemie</i> , 2006 , 118, 2464-2469	3.6	18
16	Palladium-catalyzed cross-coupling reactions of (2-pyridyl)allyldimethylsilanes with aryl iodides. <i>Organic Letters</i> , 2006 , 8, 729-31	6.2	38
15	Oxidative generation of diarylcarbenium ion pools. <i>Organic Letters</i> , 2006 , 8, 5005-7	6.2	57
14	Synthesis and Reactions of 1,4-Anhydrogalactopyranose and 1,4-Anhydroarabinose [Steric and Electronic Limitations]. <i>Helvetica Chimica Acta</i> , 2005 , 88, 2823-2831	2	12
13	Stereoselective synthesis of multisubstituted butadienes through directed Mizoroki-Heck reaction and homocoupling reaction of vinyl(2-pyridyl)silane. <i>Organic Letters</i> , 2004 , 6, 3695-8	6.2	55
12	Aqueous Photo-Dimerization Using 2-Pyridylsilyl Group as a Removable Hydrophilic Group. <i>Chemistry Letters</i> , 2004 , 33, 596-597	1.7	2
11	2-Pyridyldimethylsilyl Group as a Removable Hydrophilic Group in Aqueous Organic Reactions: Formation of Molecular Aggregates and Dramatic Rate Enhancement in Diels-Alder Reactions. <i>Advanced Synthesis and Catalysis</i> , 2002 , 344, 441-451	5.6	16
10	Pyridylsilyl group-driven cross-coupling reactions. <i>Journal of Organometallic Chemistry</i> , 2002 , 653, 105-113	13	51
9	Facile generation of [bis(2-pyridyldimethylsilyl)methyl]lithium and its reaction with carbonyl compounds. New method for the stereoselective synthesis of vinylsilanes. <i>Tetrahedron</i> , 2001 , 57, 5045-5054	2.4	21
8	2-Pyridyldimethylsilyl as a Removable Hydrophilic Group in Aqueous Diels-Alder Reactions. <i>Angewandte Chemie</i> , 2001 , 113, 1108-1110	3.6	7
7	2-Pyridyldimethylsilyl as a Removable Hydrophilic Group in Aqueous Diels-Alder Reactions This work was supported by a Grant-in-Aid for Scientific Research from the Ministry of Education, Science, Sports, and Culture, Japan, and in part by the Mitsubishi Foundation. We thank Professor Kazunari Akiyoshi (Kyoto University) for assistance with dynamic light-scattering experiment, and Prof. Dr. discussions, Professor Susumu Yoshikawa and Professor Masahito Kinoshita (Kyoto University) also gratefully acknowledged. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 1074-1076	16.4	27
6	Diversity-oriented synthesis of multisubstituted olefins through the sequential integration of palladium-catalyzed cross-coupling reactions. 2-pyridyldimethyl(vinyl)silane as a versatile platform for olefin synthesis. <i>Journal of the American Chemical Society</i> , 2001 , 123, 11577-85	16.4	162
5	Pyridyl group assisted deprotonation of a methyl group on silicon: complex induced proximity effect and novel hydroxymethylation. <i>Journal of Organic Chemistry</i> , 2001 , 66, 3970-6	4.2	47
4	Palladium-catalyzed cross-coupling reaction of alkenyldimethyl(2-pyridyl)silanes with organic halides: complete switch from the carbometalation pathway to the transmetalation pathway. <i>Journal of the American Chemical Society</i> , 2001 , 123, 5600-1	16.4	102

3	[Bis]. <i>Organic Letters</i> , 2000 , 2, 1299-302	6.2	37
2	Highly Efficient Carbopalladation Across Vinylsilane: Dual Role of the 2-PyMe ₂ Si Group as a Directing Group and as a Phase Tag. <i>Journal of the American Chemical Society</i> , 2000 , 122, 12013-12014	16.4	92
1	Synthesis of cyclic β -1,4-oligo-N-acetylglucosamine (cyclokaosadorin) via a one-pot electrochemical polyglycosylation-isomerization-cyclization process. <i>Chemical Communications</i> ,	5.8	1