

# Masaki Shimizu

## List of Publications by Citations

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154  
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39  
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73  
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229  
ext. papers

6,431  
ext. citations

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5.96  
L-index

#	Paper	IF	Citations
154	Modern synthetic methods for fluorine-substituted target molecules. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 44, 214-31	16.4	710
153	Asymmetric ene reactions in organic synthesis. <i>Chemical Reviews</i> , <b>1992</b> , 92, 1021-1050	68.1	519
152	Organic fluorophores exhibiting highly efficient photoluminescence in the solid state. <i>Chemistry - an Asian Journal</i> , <b>2010</b> , 5, 1516-31	4.5	377
151	1,4-Bis(alkenyl)-2,5-dipiperidinobenzenes: minimal fluorophores exhibiting highly efficient emission in the solid state. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 3653-6	16.4	221
150	Moderne Synthesemethoden für fluorierte Verbindungen. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 218-234	3.6	194
149	1,4-Bis(diarylamino)-2,5-bis(4-cyanophenylethenyl)benzenes: fluorophores exhibiting efficient red and near-infrared emissions in solid state. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 4095-9	16.4	157
148	Modular approach to silicon-bridged biaryls: palladium-catalyzed intramolecular coupling of 2-(arylsilyl)aryl triflates. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 9760-4	16.4	151
147	Stereoselective cross-coupling reaction of 1,1-Diboryl-1-alkenes with electrophiles: a highly stereocontrolled approach to 1,1,2-triaryl-1-alkenes. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 12506-7	16.4	149
146	Geminal Difunctionalization of Alkenylidene-Type Carbenoids by Using Interelement Compounds. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 790-792	16.4	133
145	Palladium-catalyzed annulation of vic-bis(pinacolatoboryl)alkenes and -phenanthrenes with 2,2'-dibromobiaryls: facile synthesis of functionalized phenanthrenes and dibenzo[g,p]chrysenes. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 8096-9	16.4	111
144	Geminal dimetalation of alkyldiene-type carbenoids with silylboranes and diborons. <i>Tetrahedron</i> , <b>2002</b> , 58, 6381-6395	2.4	104
143	Construction of asymmetric quaternary carbon centers with high enantioselectivity. <i>Angewandte Chemie - International Edition</i> , <b>2011</b> , 50, 5998-6000	16.4	91
142	9-Stannafluorenes: 1,4-dimetal equivalents for aromatic annulation by double cross-coupling. <i>Angewandte Chemie - International Edition</i> , <b>2009</b> , 48, 7573-6	16.4	90
141	Palladium-catalyzed intramolecular coupling of 2-[(2-pyrrolyl)silyl]aryl triflates through 1,2-silicon migration. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 8350-1	16.4	88
140	Silicon-Bridged Biaryls: Molecular Design, New Synthesis, and Luminescence Control. <i>Synlett</i> , <b>2012</b> , 23, 973-989	2.2	76
139	Acyclic stereocontrol between remote atom centers via intramolecular and intermolecular stereo-communication. <i>Tetrahedron</i> , <b>2001</b> , 57, 2917-2951	2.4	76
138	1,4-Bis(alkenyl)-2,5-dipiperidinobenzenes: Minimal Fluorophores Exhibiting Highly Efficient Emission in the Solid State. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 3707-3710	3.6	73

137	New, General, and Stereoselective Synthesis of CF <sub>3</sub> -Containing Tri- and Tetrasubstituted Oxiranes and Tetrasubstituted Alkenes. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 6947-6948	16.4	73
136	1-Silyl-1-boryl-2-alkenes: Reagents for Stereodivergent Allylation Leading to 4-Oxy-(E)-1-alkenylboronates and 4-Oxy-(Z)-1-alkenylsilanes. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 4283-4286	16.4	70
135	Siloxy Group-Induced Highly Efficient Room Temperature Phosphorescence with Long Lifetime. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 11631-11639	3.8	69
134	A facile stereocontrolled approach to CF <sub>3</sub> -substituted triarylethenes: synthesis of panomifene. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 879-82	16.4	65
133	Palladium-catalyzed double cross-coupling reaction of 1,2-bis(pinacolatoboryl)alkenes and -arenes with 2,2'-dibromobiaryls: annulative approach to functionalized polycyclic aromatic hydrocarbons. <i>Tetrahedron</i> , <b>2011</b> , 67, 8014-8026	2.4	58
132	Synthesis and Photophysical Properties of 2-Donor-7-acceptor-9-silafluorenes: Remarkable Fluorescence Solvatochromism and Highly Efficient Fluorescence in Doped Polymer Films. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 10004-10014	3.8	58
131	Synthesis, crystal structure, and photophysical properties of (1E,3E,5E)-1,3,4,6-Tetraarylhexa-1,3,5-trienes: a new class of fluorophores exhibiting aggregation-induced emission. <i>Chemistry - an Asian Journal</i> , <b>2009</b> , 4, 1289-97	4.5	57
130	Modular Approach to Silicon-Bridged Biaryls: Palladium-Catalyzed Intramolecular Coupling of 2-(Arylsilyl)aryl Triflates. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 9906-9910	3.6	57
129	Silicon-bridge effects on photophysical properties of silafluorenes. <i>Chemistry - an Asian Journal</i> , <b>2008</b> , 3, 1238-47	4.5	57
128	Geminal Difunctionalization of Alkenylidene-Type Carbenoids by Using Interelement Compounds. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 812-814	3.6	57
127	Asymmetric desymmetrization by enantioselective catalysis of carbonyl-ene reaction: remote internal asymmetric induction. <i>Journal of the American Chemical Society</i> , <b>1992</b> , 114, 6566-6568	16.4	57
126	Twisting strategy applied to N,N-diorganoquinacridones leads to organic chromophores exhibiting efficient solid-state fluorescence. <i>Tetrahedron Letters</i> , <b>2011</b> , 52, 4084-4089	2	52
125	Periodic metallo-dielectric structure in diamond. <i>Optics Express</i> , <b>2009</b> , 17, 46-54	3.3	50
124	gem-Silylborylation of an sp carbon: novel synthesis of 1-boryl-1-silylallenes. <i>Organic Letters</i> , <b>2003</b> , 5, 225-7	6.2	49
123	Stereoselective generation of cis-2-lithio-3-CF <sub>3</sub> -oxirane via CF <sub>3</sub> -substituted Ebxido carbenoids. Highly stereoselective synthesis of CF <sub>3</sub> -substituted tri- and tetrasubstituted oxiranes and tetrasubstituted alkenes. <i>Tetrahedron</i> , <b>2003</b> , 59, 9811-9823	2.4	47
122	1,4-Bis(diarylamino)-2,5-bis(4-cyanophenylethenyl)benzenes: Fluorophores Exhibiting Efficient Red and Near-Infrared Emissions in Solid State. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 4171-4175	3.6	46
121	Polyborylated reagents for modern organic synthesis. <i>Proceedings of the Japan Academy Series B: Physical and Biological Sciences</i> , <b>2008</b> , 84, 75-85	4	44
120	Synthesis and Applications of 1,1-Diborylated Cyclopropanes: Facile Route to 1,2-Diboryl-3-methylenecyclopentenes. <i>Chemistry Letters</i> , <b>2006</b> , 35, 1222-1223	1.7	43

119	Palladium-Catalyzed Annulation of vic-Bis(pinacolatoboryl)alkenes and -phenanthrenes with 2,2'-Dibromobiaryls: Facile Synthesis of Functionalized Phenanthrenes and Dibenzo[g,p]chrysenes. <i>Angewandte Chemie</i> , <b>2008</b> , 120, 8216-8219	3.6	42
118	Generation and Carbonyl Addition Reactions of Dibromofluoromethyl lithium Derived from Tribromofluoromethane as Applied to the Stereoselective Synthesis of Fluoro Olefins and 2-Bromo-2-fluoro-1,3-alkanediols. <i>Bulletin of the Chemical Society of Japan</i> , <b>1998</b> , 71, 2903-2921	5.1	40
117	Luminescent solar concentrators: boosted optical efficiency by polymer dielectric mirrors. <i>Materials Chemistry Frontiers</i> , <b>2019</b> , 3, 429-436	7.8	39
116	Multistimuli-responsive azobenzene nanofibers with aggregation-induced emission enhancement characteristics. <i>Chemical Communications</i> , <b>2014</b> , 50, 15815-8	5.8	39
115	Copper-Catalyzed Double S-Arylation of Potassium Thioacetate with Dibenziodolium Triflates: Facile Synthesis of Unsymmetrical Dibenzothiophenes. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 2785-2788	3.2	37
114	Straightforward synthesis of CF <sub>3</sub> -substituted triarylethenes by stereoselective threefold cross-coupling reactions. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 8659-61	16.4	35
113	Novel Synthesis of 2,3-Bisboryl-1,3-dienes from 1-Bromo-1-lithioethene and 1,1-Bisborylalkenes. <i>Synlett</i> , <b>2001</b> , 2001, 1006-1008	2.2	34
112	9-Stannafluorenes: 1,4-Dimetal Equivalents for Aromatic Annulation by Double Cross-Coupling. <i>Angewandte Chemie</i> , <b>2009</b> , 121, 7709-7712	3.6	33
111	Room-Temperature Phosphorescence of Crystalline 1,4-Bis(aryl)-2,5-dibromobenzenes. <i>European Journal of Organic Chemistry</i> , <b>2016</b> , 2016, 467-473	3.2	33
110	Highly Efficient Blue Fluorescence from 3,2'-Silylene-Bridged 2-Phenylindoles in the Solid State. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 11265-11274	3.8	31
109	Facile synthesis and palladium-catalyzed cross-coupling reactions of 2,3-bis(pinacolatoboryl)-1,3-butadiene. <i>Chemistry - an Asian Journal</i> , <b>2007</b> , 2, 1400-8	4.5	28
108	Oxidative desulfurization/fluorination of alkanol xanthates. Control of the reaction pathway to fluorination or trifluoromethoxylation. <i>Chemical Communications</i> , <b>1997</b> , 309-310	5.8	27
107	Carbonyl-ene reaction: An emerging tool for acyclic stereocontrol. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>1990</b> , 48, 292-303	0.2	27
106	Palladium-catalyzed annulation of 1,2-diborylalkenes and -arenes with 1-bromo-2-[(Z)-2-bromoethenyl]arenes: a modular approach to multisubstituted naphthalenes and fused phenanthrenes. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 1644-51	4.5	26
105	Bromo(t-butyl)dimethylsilyl)fluoromethyl lithium: A fluorinated nucleophilic carbenoid reagent stabilized by a silyl substituent. <i>Tetrahedron Letters</i> , <b>1997</b> , 38, 4591-4594	2	26
104	gem-Silylborylation approach for tri- and tetrametalmethanes: the first synthesis of boryl(germyl)(silyl)(stannyl)methanes. <i>Journal of Organometallic Chemistry</i> , <b>2003</b> , 686, 286-293	2.3	26
103	Aufbau von asymmetrischen quartären Kohlenstoffzentren mit hoher Enantioselektivität. <i>Angewandte Chemie</i> , <b>2011</b> , 123, 6122-6124	3.6	25
102	Palladium-Catalyzed Double Cross-Coupling Reaction of vic-Diborylalkenes and -arenes with vic-Bromo(bromomethyl)arenes. <i>Synlett</i> , <b>2009</b> , 2009, 3147-3150	2.2	25

101	Preparation, Structure, and Properties of Tris(trimethylsilyl)silyl-substituted Anthracenes: Realization of Ideal Conformation for $\pi$ -Conjugation Involving Eclipse of Si-Bond with p-Orbital of Aromatic Ring. <i>Chemistry Letters</i> , <b>2006</b> , 35, 1022-1023	1.7	25
100	Facile Synthesis of Dendralenes Based on the Cross-coupling Reaction of 2,3-Bis(pinacolato)boryl-1,3-butadiene. <i>Chemistry Letters</i> , <b>2004</b> , 33, 1066-1067	1.7	25
99	Highly regio- and stereocontrolled glyoxylate-ene reaction with (homo)allylic ethers: remarkable alkoxy effect in regio- and stereocontrol. <i>Journal of Organic Chemistry</i> , <b>1991</b> , 56, 2952-2953	4.2	25
98	Self-complementary double-stranded porphyrin arrays assembled from an alternating pyridyl-porphyrin sequence. <i>Chemical Science</i> , <b>2015</b> , 6, 6199-6206	9.4	24
97	A push-pull silafluorene fluorophore for highly efficient luminescent solar concentrators. <i>RSC Advances</i> , <b>2017</b> , 7, 37302-37309	3.7	24
96	Symmetry in the synthesis of the a-ring of a vitamin D hybrid analogue with significant transactivation activity: A combinatorial sequence of regioselective propiolate-ene, catalytic enantioselective epoxidation and carbonyl-ene cyclization reactions. <i>Tetrahedron Letters</i> , <b>1998</b> , 39, 3359-3362	2	24
95	A Facile Stereocontrolled Approach to CF <sub>3</sub> -Substituted Triarylethenes: Synthesis of Panomifene. <i>Angewandte Chemie</i> , <b>2004</b> , 116, 897-900	3.6	24
94	A Facile Approach to 2-CF <sub>3</sub> -Substituted Seven-membered Oxacycles via Stereoselective Preparation and Cope Rearrangement of 2-CF <sub>3</sub> -cis-2,3-Bis(alkenyl)oxiranes. <i>Chemistry Letters</i> , <b>2004</b> , 33, 438-439	1.7	24
93	Palladium-Catalyzed Double Cross-Coupling Reactions of Organodimetallic Reagents Leading to Polycyclic Aromatic Hydrocarbons. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 8069-8081	3.2	22
92	Efficient blue electroluminescence of silylene-bridged 2-(2-naphthyl)indole. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 4337-4342		22
91	Synthesis and photophysical properties of dimethoxybis(3,3,3-trifluoropropen-1-yl)benzenes: compact chromophores exhibiting violet fluorescence in the solid state. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 2536-44	4.5	22
90	Use of silylmethoxy groups as inducers of efficient room temperature phosphorescence from precious-metal-free organic luminophores. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 347-354	7.8	21
89	Photophysical properties of heteroaromatic ring-fused (di)benzosiloles. <i>Science China Chemistry</i> , <b>2011</b> , 54, 1937-1947	7.9	20
88	Chirality Transfer via the Palladium-Catalyzed Cross-Coupling Reaction of Optically Active 2-Cyclohexenylsilane: Stereochemical and Mechanistic Aspects. <i>Organometallics</i> , <b>1996</b> , 15, 5762-5765	3.8	20
87	New Synthesis of Dibenzofulvenes by Palladium-Catalyzed Double Cross-Coupling Reactions. <i>Australian Journal of Chemistry</i> , <b>2012</b> , 65, 1277	1.2	19
86	(Z)-1,2,3,4-Tetraboryl-2-butene: A Reagent for Stereoselective One-pot Triple Aldehyde Addition. <i>Chemistry Letters</i> , <b>2006</b> , 35, 838-839	1.7	19
85	Dibenzosiloles and 12H-indolo[3,2-d]naphtho[1,2-b][1]siloles: exploration of organic chromophores exhibiting efficient solid-state fluorescence. <i>Chemical Record</i> , <b>2015</b> , 15, 73-85	6.6	18
84	Novel Generation of 3,3,3-Trifluoropropynyllithium and Transformation of the Carbonyl Adducts to Trifluoromethyl-Substituted Allenes. <i>Synlett</i> , <b>2007</b> , 2007, 1163-1165	2.2	18

- 83 Stereoselective Cross-Coupling Reaction of 2,4-Diaryl-1,1-diboryl-1,3-butadienes: Stereocontrolled Approach to 1,3,4,6-Tetraarylated 1,3,5-Hexatrienes. *Synlett*, **2007**, 2007, 1969-1971 2.2 18
- 82 Group 14 Dithienometalole-Linked Ethynylene-Conjugated Porphyrin Dimers. *Inorganic Chemistry*, **2016**, 55, 7432-41 5.1 17
- 81 Synthesis and structures of polysilacage compounds containing a silicon-silicon inter-element linkage. *Journal of Organometallic Chemistry*, **2000**, 611, 12-19 2.3 17
- 80 Prins cyclization to tetrahydrofuran units of polyether antibiotics: Remarkable siloxy effect for stereocontrolled cyclization. *Tetrahedron*, **1996**, 52, 7287-7296 2.4 17
- 79 New preparation and synthetic reactions of 3,3,3-trifluoropropynyllithium, -borate and -stannane: facile synthesis of trifluoromethylated allenes, arylacetylenes and enynes. *Future Medicinal Chemistry*, **2009**, 1, 921-45 4.1 16
- 78 Novel Cage Polycarbosilanes. Preparation and Characterization of Dodecamethyl-2,3,5,6,7,8-hexasilabicyclo[2.2.2]octane and Its Derivatives. *Chemistry Letters*, **1998**, 27, 1145-1146 1.7 16
- 77 Amorphous porphyrin glasses exhibit near-infrared excimer luminescence. *RSC Advances*, **2017**, 7, 22679-22683 3.7 15
- 76 Diels-Alder Reaction of 2,3-Bis(pinacolatoboryl)-1,3-butadiene: Facile Preparation of 1,2-Bis(pinacolatoboryl)cyclohexenes and -1,4-cyclohexadiene. *Bulletin of the Chemical Society of Japan*, **2008**, 81, 518-520 5.1 15
- 75 Diastereoselective generation of lithium carbenoid reagent RCH(OMEM)CFBrLi and its reaction with electrophiles. *Tetrahedron Letters*, **1996**, 37, 7387-7390 2 15
- 74 Remote asymmetric induction based on carbonyl-ene reactions with bishomoallylic silyl ethers: dramatic changeover of regioselectivity by the remarkable siloxy effect. *Journal of Organic Chemistry*, **1992**, 57, 6105-6106 4.2 15
- 73 Facile Synthesis of Trifluoromethyl-substituted Enynes: Remarkable Reactivity and Stereoselectivity of Tributyl(3,3,3-trifluoropropynyl)stannane in Carbostannylation of Alkynes. *Chemistry Letters*, **2005**, 34, 1700-1701 1.7 14
- 72 Supramolecular Polymer of Near-Infrared Luminescent Porphyrin Glass. *Macromolecules*, **2017**, 50, 3186-3192 3.3 13
- 71 Aggregation-Induced Orange-to-Red Fluorescence of 2,5-Bis(diarylamino)terephthalic Acid Dithioesters. *European Journal of Organic Chemistry*, **2016**, 2016, 5950-5956 3.2 13
- 70 Chirality induction in binuclear phthalocyanine tweezers. *Tetrahedron Letters*, **2014**, 55, 271-274 2 13
- 69 1-Silyl-1-boryl-2-alkenes: Reagents for Stereodivergent Allylation Leading to 4-Oxy-(E)-1-alkenylboronates and 4-Oxy-(Z)-1-alkenylsilanes. *Angewandte Chemie*, **2001**, 113, 4413-4416 3.6 13
- 68 Novel C1 Building Blocks for Fluoro Olefin Synthesis: FC(SiMe<sub>3</sub>)<sub>3</sub> and FC(SiMe<sub>3</sub>)<sub>2</sub>SnBu<sub>3</sub>. *Bulletin of the Chemical Society of Japan*, **2000**, 73, 1685-1690 5.1 13
- 67 1, 4- and 1, 5-Remote Stereocontrol via Relative and Internal Asymmetric Induction. *Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry*, **1993**, 51, 3-13 0.2 13
- 66 Dual Emission from Precious Metal-Free Luminophores Consisting of C, H, O, Si, and S/P at Room Temperature. *Chemistry - A European Journal*, **2020**, 26, 5162-5167 4.8 12

65	Aggregation-induced emission and thermally activated delayed fluorescence of 2,6-diaminobenzophenones. <i>Science China Chemistry</i> , <b>2018</b> , 61, 925-931	7.9	12
64	2,3,5,6,7,8-Hexasilabicyclo[2.2.2]octane-derived Columnar Liquid Crystals. <i>Molecular Crystals and Liquid Crystals</i> , <b>2005</b> , 441, 237-241	0.5	12
63	A trigonal molecular assembly system with the dual light-driven functions of phase transition and fluorescence switching. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 2276-2282	7.1	11
62	Generation and Aldehyde Addition of a Zinc Carbenoid Substituted by Fluorine. <i>Synlett</i> , <b>1996</b> , 1996, 831-832	2.32	11
61	Stereoselective Preparation and Cope Rearrangement of 2-CF <sub>3</sub> -cis-2,3-bis(alkenyl)oxiranes: A Facile Route to 2-CF <sub>3</sub> -Substituted Oxacycles. <i>Heterocycles</i> , <b>2008</b> , 76, 329	0.8	11
60	1-alkyl-2,3,5,6,7,8-hexasilabicyclo[2.2.2]octanes: unconventional class of mesomorphic columnar compounds. <i>Angewandte Chemie - International Edition</i> , <b>2007</b> , 46, 3055-8	16.4	11
59	A Novel Strategy for Two-Photon Holographic Recording: Stepwise Two-Photon Absorption of Equinqueithiophene Followed by Energy Transfer to an Aryl Azide. <i>Advanced Materials</i> , <b>2007</b> , 19, 1826-1829	24	11
58	FC(SiMe <sub>3</sub> ) <sub>3</sub> and FC(SiMe <sub>3</sub> ) <sub>2</sub> SnBu <sub>3</sub> : a novel C1 building block for fluoro olefins. <i>Tetrahedron Letters</i> , <b>1999</b> , 40, 7375-7378	2	11
57	Novel Synthesis of 1-Fluoro-1-silyloxiranes Using Bromo(tert-butyldimethylsilyl)fluoromethyl lithium and Carbonyl Compounds. <i>Heterocycles</i> , <b>2000</b> , 52, 707	0.8	11
56	Assembly of an Achiral Chromophore into Light-Responsive Helical Nanostructures in the Absence of Chiral Components. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 3971-5	4.8	10
55	A metal-lustrous porphyrin foil. <i>Chemical Communications</i> , <b>2017</b> , 53, 10703-10706	5.8	10
54	Homogeneous and elongation-free 3D microfabrication by a femtosecond laser pulse and hologram. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 083107	2.5	10
53	Solid state structures and photophysical properties of (trimethylsilyl)methyl-substituted anthracenes and pyrenes. <i>Chemical Communications</i> , <b>2008</b> , 2134-6	5.8	10
52	Preparation, Structure, and Diels-Alder Reaction of Phenyl(trifluoromethanesulfonate)(3,3,3-trifluoropropynyl)-B-iodane. <i>Chemistry Letters</i> , <b>2008</b> , 37, 1304-1305	1.7	10
51	1-Aryl-Substituted Cage Molecules ArC(SiMe <sub>2</sub> SiMe <sub>2</sub> ) <sub>3</sub> CR: Preparation, Properties, and Application to Liquid Crystalline Compounds. <i>Chemistry Letters</i> , <b>2001</b> , 30, 1090-1091	1.7	10
50	Cascade triple-aldehyde addition of 1,2,3,4-tetrakis(pinacolatoboryl)but-2-ene: stereoselective synthesis of 2,3-bis(alkylidene)alkane-1,5-diols. <i>Chemistry - an Asian Journal</i> , <b>2007</b> , 2, 1142-9	4.5	9
49	Multilayer holographic recording using a two-color-absorption photopolymer. <i>Applied Optics</i> , <b>2007</b> , 46, 8402-10	1.7	9
48	Prins cyclization to tetrahydrofuran units of polyether antibiotics: Remarkable siloxy effect for stereocontrolled cyclization. <i>Tetrahedron Letters</i> , <b>1992</b> , 33, 6315-6318	2	9

47	A Native-Chemical-Ligation-Based Turn-on Fluorescent Probe for Selective Detection of Cysteine. <i>Journal of the Chinese Chemical Society</i> , <b>2016</b> , 63, 317-322	1.5	9
46	Porphyryns Sheathed in Quadrupolar Solvation Spheres of Hexafluorobenzene: Solvation-Induced Fluorescence Enhancement and Conformational Confinement. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 19407-19413	3.8	8
45	Alkylation methodology for the synthesis of 1,4-disilacyclohexanes using $\beta$ -dilithiated silanes. <i>Tetrahedron Letters</i> , <b>1998</b> , 39, 3197-3200	2	8
44	Straightforward Synthesis of CF <sub>3</sub> -Substituted Triarylethenes by Stereoselective Threefold Cross-Coupling Reactions. <i>Angewandte Chemie</i> , <b>2007</b> , 119, 8813-8815	3.6	8
43	Novel Bifunctional Synthetic Reagents: gem-Dimetallic Compounds Derived from Carbenoid Reagents and Inter-element Compounds.. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , <b>2001</b> , 59, 1062-1069	0.2	8
42	A Tightly Stretched Ultralong Supramolecular Multiporphyrin Array Propagated by Double-Strand Formation. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 13019-22	4.8	8
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17	Efficient Emission of Ultraviolet Light by Solid State Organic Fluorophores: Synthesis and Characterization of 1,4-Dialkenyl-2,5-dioxybenzenes. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 1626-1637	4.8	3
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