

# Youhei Takeda

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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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.

78  
papers

2,830  
citations

27  
h-index

52  
g-index

112  
ext. papers

3,308  
ext. citations

6  
avg, IF

5.57  
L-index

#	Paper	IF	Citations
78	Comparative study of thermally activated delayed fluorescent properties of donor-acceptor and donor-acceptor-donor architectures based on phenoxazine and dibenzo[ <i>h</i> ]phenazine.. <i>Beilstein Journal of Organic Chemistry</i> , <b>2022</b> , 18, 459-468	2.5	
77	Transition metal catalyzed cross-coupling and nitrogen reduction reactions: Lessons from computational studies. <i>Advances in Organometallic Chemistry</i> , <b>2022</b> ,	3.8	
76	Peripherally Donor-Installed 7,8-Diaza[5]helicenes as a Platform for Helical Luminophores. <i>Synthesis</i> , <b>2021</b> , 53, 1584-1596	2.9	1
75	Palladium-Catalyzed Regioselective and Stereospecific Ring-Opening Suzuki-Miyaura Arylative Cross-Coupling of 2-Arylazetidines with Arylboronic Acids. <i>Advanced Synthesis and Catalysis</i> , <b>2021</b> , 363, 2796-2805	5.6	3
74	The Photophysics of Dibenz[ <i>a,j</i> ]phenazine. <i>ChemPhotoChem</i> , <b>2021</b> , 5, 297-297	3.3	
73	Near Fermi Superatom State Stabilized by Surface State Resonances in a Multiporous Molecular Network. <i>Nano Letters</i> , <b>2021</b> , 21, 6456-6462	11.5	1
72	The Photophysics of Dibenz[ <i>a,j</i> ]phenazine. <i>ChemPhotoChem</i> , <b>2021</b> , 5, 335-347	3.3	0
71	The Impact of C Insertion into a Carbazole Donor on the Physicochemical Properties of Dibenz[ <i>a,j</i> ]phenazine-Cored Donor-Acceptor-Donor Triads. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 13390-13398	4.8	3
70	Heavy-Atom-Free Room-Temperature Phosphorescent Organic Light-Emitting Diodes Enabled by Excited States Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 2899-2907	9.5	13
69	Alchemy of donor-acceptor-donor multi-photofunctional organic materials: from construction of electron-deficient azaaromatics to exploration of functions. <i>Chemical Communications</i> , <b>2020</b> , 56, 8884-8894	5.8	15
68	Effect of Alkyl Groups in Pyrene Chromophore on the Mechanical Response of Pyrene-Octafluoronaphthalene Co-Crystals. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 1349-1354	4.5	4
67	Development of Aromatic-Fused Diketophosphanyl-Cored Functional $\pi$ -Conjugated Molecules. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , <b>2020</b> , 78, 792-800	0.2	
66	Thermally Activated Delayed Fluorescent Donor-Acceptor-Donor-Acceptor $\pi$ -Conjugated Macrocycle for Organic Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 1482-1491	16.4	63
65	Revealing Topological Influence of Phenylenediamine Unit on Physicochemical Properties of Donor-Acceptor-Donor-Acceptor Thermally Activated Delayed Fluorescent Macrocycles. <i>Chemistry - an Asian Journal</i> , <b>2020</b> , 15, 4098-4103	4.5	1
64	Electrochemical and Spectroelectrochemical Comparative Study of Macrocyclic Thermally Activated Delayed Fluorescent Compounds: Molecular Charge Stability vs OLED EQE Roll-Off. <i>Asian Journal of Organic Chemistry</i> , <b>2020</b> , 9, 2153-2161	3	3
63	Palladium-Catalyzed Regioselective and Stereospecific Ring-Opening Cross-Coupling of Aziridines: Experimental and Computational Studies. <i>Accounts of Chemical Research</i> , <b>2020</b> , 53, 1686-1702	24.3	25
62	Sigmoidally hydrochromic molecular porous crystal with rotatable dendrons. <i>Communications Chemistry</i> , <b>2020</b> , 3,	6.3	8

61	Asymmetric Synthesis of $\beta$ -Aryl Amino Acids through Pd-Catalyzed Enantiospecific and Regioselective Ring-Opening Suzuki-Miyaura Arylation of Aziridine-2-carboxylates. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 10226-10231	4.8	9
60	Ni(II) 10-Phosphacorrrole: A Porphyrin Analogue Containing Phosphorus at the Meso Position. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 4800-4805	16.4	17
59	Computational Study on the Mechanism and Origin of the Regioselectivity and Stereospecificity in Pd/SIPr-Catalyzed Ring-Opening Cross-Coupling of 2-Arylaziridines with Arylboronic Acids. <i>ACS Catalysis</i> , <b>2019</b> , 9, 4582-4592	13.1	12
58	Thermally activated delayed fluorescence vs. room temperature phosphorescence by conformation control of organic single molecules. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 6616-6621	7.1	46
57	Recent Advancements in and the Future of Organic Emitters: TADF- and RTP-Active Multifunctional Organic Materials. <i>Chemistry - an Asian Journal</i> , <b>2019</b> , 14, 1613-1636	4.5	86
56	Molecular Packing and Solid-State Photophysical Properties of 1,3,6,8-Tetraalkylpyrenes. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 14817-14825	4.8	9
55	Hydrostatic Pressure-Controlled Ratiometric Luminescence Responses of a Dibenzo[a,j]phenazine-Cored Mechanoluminophore. <i>ChemPhotoChem</i> , <b>2019</b> , 3, 1203-1211	3.3	21
54	Catalyst-controlled regiodivergent ring-opening C(sp)-Si bond-forming reactions of 2-arylaziridines with silylborane enabled by synergistic palladium/copper dual catalysis. <i>Chemical Science</i> , <b>2019</b> , 10, 8642-8647	9.4	13
53	Aromatic-fused diketophosphanyl-core organic functional materials: phosphorus mimics of imides or beyond?. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 7807-7821	3.9	6
52	The impact of replacement of nitrogen with phosphorus atom in the pyromellitic diimides on their photophysical and electrochemical properties. <i>Electrochimica Acta</i> , <b>2019</b> , 295, 801-809	6.7	5
51	Syntheses of Diverse Donor-Substituted Bisbenzofuro[2,3- b:3',2' - e]pyridines (BBZFPys) via Pd Catalysis, and Their Photophysical Properties. <i>Journal of Organic Chemistry</i> , <b>2018</b> , 83, 10289-10302	4.2	5
50	FRET-mediated near infrared whispering gallery modes: studies on the relevance of intracavity energy transfer with Q-factors. <i>Materials Chemistry Frontiers</i> , <b>2018</b> , 2, 270-274	7.8	20
49	Conformationally-flexible and moderately electron-donating units-installed D-A-D triad enabling multicolor-changing mechanochromic luminescence, TADF and room-temperature phosphorescence. <i>Chemical Communications</i> , <b>2018</b> , 54, 6847-6850	5.8	67
48	Thermally activated delayed fluorescent phenothiazine-dibenzo[ <i>a,j</i> ]phenazine-phenothiazine triads exhibiting tricolor-changing mechanochromic luminescence. <i>Chemical Science</i> , <b>2017</b> , 8, 2677-2686	9.4	245
47	An optical and electrical study of full thermally activated delayed fluorescent white organic light-emitting diodes. <i>Scientific Reports</i> , <b>2017</b> , 7, 6234	4.9	29
46	Thieno[3,4- <i>c</i> ]phosphole-4,6-dione: A Versatile Building Block for Phosphorus-Containing Functional $\pi$ Conjugated Systems. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 10360-4	4.8	16
45	Palladium-catalyzed regioselective and stereo-invertive ring-opening borylation of 2-arylaziridines with bis(pinacolato)diboron: experimental and computational studies. <i>Chemical Science</i> , <b>2016</b> , 7, 6141-6152	9.4	59
44	Dibenzo[ <i>a,j</i> ]phenazine-Cored Donor-Acceptor Donor Compounds as Green-to-Red/NIR Thermally Activated Delayed Fluorescence Organic Light Emitters. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5833-5838	3.6	58

43	Dibenzo[a,j]phenazine-Cored Donor-Acceptor-Donor Compounds as Green-to-Red/NIR Thermally Activated Delayed Fluorescence Organic Light Emitters. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5739-44	16.4	224
42	Creation of Novel Functional Aza-Containing $\pi$ -Conjugated Molecules Based on the Development of Novel Oxidative Transformations of Aromatic Amines. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , <b>2016</b> , 74, 955-964	0.2	
41	Ring-contractive and -Closing Skeletal Rearrangement of 1,1'-Binaphthalene-2,2'-Diamines (Binams) Induced by an Iodine-Containing Oxidant: Synthesis of Spiro[Benzo[e]Indole-1,1'-inden]-2-amines and Application to an Aiee-active BF <sub>2</sub> Complex. <i>Heterocycles</i> , <b>2016</b> , 93, 770	0.8	2
40	Revisiting phosphorus analogues of phthalimides and naphthalimides: syntheses and comparative studies. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 1666-72	4.8	14
39	A facile synthesis of functionalized 7,8-diaza[5]helicenes through an oxidative ring-closure of 1,1'-binaphthalene-2,2'-diamines (BINAMs). <i>Beilstein Journal of Organic Chemistry</i> , <b>2015</b> , 11, 9-15	2.5	11
38	2-Halogenoimidazolium salt catalyzed aza-Diels-Alder reaction through halogen-bond formation. <i>Organic Letters</i> , <b>2015</b> , 17, 318-21	6.2	122
37	N1 Unit Transfer Reaction to C=C Double Bonds <b>2014</b> , 67-88		
36	Oxidative skeletal rearrangement of 1,1'-binaphthalene-2,2'-diamines (BINAMs) via C-C bond cleavage and nitrogen migration: a versatile synthesis of U-shaped azaacenes. <i>Chemical Communications</i> , <b>2014</b> , 50, 10291-4	5.8	34
35	2,6-Diphospho-s-indacene-1,3,5,7(2 H,6 H)-tetraone: a phosphorus analogue of aromatic diimides with the minimal core exhibiting high electron-accepting ability. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 10266-70	4.8	47
34	Pd/NHC-catalyzed enantiospecific and regioselective Suzuki-Miyaura arylation of 2-arylaziridines: synthesis of enantioenriched 2-arylphenethylamine derivatives. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 8544-7	16.4	109
33	Hypervalent iodine(III)-induced oxidative [4+2] annulation of o-phenylenediamines and electron-deficient alkynes: direct synthesis of quinoxalines from alkyne substrates under metal-free conditions. <i>Chemical Communications</i> , <b>2013</b> , 49, 9266-8	5.8	59
32	Oxidative dimerization of (hetero)aromatic amines utilizing t-BuOI leading to (hetero)aromatic azo compounds: scope and mechanistic studies. <i>Journal of Organic Chemistry</i> , <b>2013</b> , 78, 12090-105	4.2	65
31	PCy <sub>3</sub> -catalyzed ring expansion of aziridinofullerenes with CO <sub>2</sub> and aryl isocyanates: evidence for a two consecutive nucleophilic substitution pathway on the fullerene cage. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 13479-83	4.8	23
30	Straightforward and Versatile Synthesis of Fullerooxazoles from C <sub>60</sub> and Carboxamides through Radical Reactions under Mild Conditions. <i>Asian Journal of Organic Chemistry</i> , <b>2013</b> , 2, 91-97	3	25
29	An Inclusion Complex of C <sub>60</sub> with Organosilylated $\beta$ -Cyclodextrin: Drastic Enhancement of Apparent Solubility of C <sub>60</sub> in Nonpolar and Weakly Polar Organic Solvents. <i>Asian Journal of Organic Chemistry</i> , <b>2013</b> , 2, 69-73	3	2
28	A Practical Synthesis of Azobenzenes through Oxidative Dimerization of Aromatic Amines Using tert-Butyl Hypoiodite. <i>Synthesis</i> , <b>2013</b> , 45, 1029-1033	2.9	14
27	Transition-metal-free Benzylic C-H Bond Intermolecular Amination Utilizing Chloramine-T and I <sub>2</sub> . <i>Chemistry Letters</i> , <b>2012</b> , 41, 1672-1674	1.7	20
26	Nucleophilic Ring-Opening of N-o-Nosylaziridines with N-Chloro-N-Sodiocarbamate: Facile Preparation of Differentially Protected Vicinal Diamines. <i>Asian Journal of Organic Chemistry</i> , <b>2012</b> , 1, 226-230	3	12

25	An Air-Stable Low-Bandgap n-Type Organic Polymer Semiconductor Exhibiting Selective Solubility in Perfluorinated Solvents. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 9176-9180	3.6	13
24	An air-stable low-bandgap n-type organic polymer semiconductor exhibiting selective solubility in perfluorinated solvents. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 9042-6	16.4	72
23	Selective functionalization of fullerenes with N,N-dihalosulfonamides as an N1 unit: versatile syntheses of aza[60]fulleroids and aziridino[60]fullerenes and their application to photovoltaic cells. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 12035-45	4.8	27
22	Cyclizative atmospheric CO <sub>2</sub> fixation by unsaturated amines with t-BuOI leading to cyclic carbamates. <i>Organic Letters</i> , <b>2012</b> , 14, 4874-7	6.2	112
21	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
20	Oxidative Dimerization of Aromatic Amines using tBuOI: Entry to Unsymmetric Aromatic Azo Compounds. <i>Angewandte Chemie</i> , <b>2012</b> , 124, 7924-7928	3.6	24
19	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
18	Oxidative dimerization of aromatic amines using tBuOI: entry to unsymmetric aromatic azo compounds. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 7804-8	16.4	84
17	Diastereoselective aziridination of chiral electron-deficient olefins with N-chloro-N-sodiocarbamates catalyzed by chiral quaternary ammonium salts. <i>Journal of Organic Chemistry</i> , <b>2011</b> , 76, 6277-85	4.2	29
16	Mechanistic Study of the Palladium-Catalyzed Stereoselective Cross-Coupling Reaction of 1,1-Dibromo-3,3,3-trifluoro-2-tosyloxypropene. <i>Bulletin of the Chemical Society of Japan</i> , <b>2011</b> , 84, 1339-1341	5.1	5
15	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
14	Heterocyclic Reagents Containing Nitrogen-Halogen Bond: Recent Applications. <i>Topics in Heterocyclic Chemistry</i> , <b>2011</b> , 139-183	0.2	1
13	Generation of nitrile oxides from oximes using t-BuOI and their cycloaddition. <i>Organic Letters</i> , <b>2011</b> , 13, 2966-9	6.2	121
12	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
11	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
10	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
9	New preparation and synthetic reactions of 3,3,3-trifluoropropynyllithium, -borate and -stannane: facile synthesis of trifluoromethylated allenes, arylacetylenes and enynes. <i>Future Medicinal Chemistry</i> , <b>2009</b> , 1, 921-45	4.1	16
8	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

7	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	17	10
6	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
5	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
4	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
3	Facile Synthesis of Trifluoromethyl-substituted Enynes: Remarkable Reactivity and Stereoselectivity of Tributyl(3,3,3-trifluoropropynyl)stannane in Carbostannylation of Alkynes. <i>Chemistry Letters</i> , <b>2005</b> , 34, 1700-1701	1.7	14
2	Regioisomeric Effect on the Excited-State Fate Leading to Room-Temperature Phosphorescence or Thermally Activated Delayed Fluorescence in a Dibenzophenazine-Cored Donor-Acceptor-Donor System. <i>Journal of Materials Chemistry C</i> ,	7.1	2
1	Revealing the internal heavy chalcogen atom effect on the photophysics of the dibenzo[a,j]phenazine-cored donor-acceptor-donor triad. <i>Journal of Materials Chemistry C</i> ,	7.1	6