

Youhei Takeda

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1965944/youhei-takeda-publications-by-citations.pdf>

Version: 2024-04-26

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.

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	Thermally activated delayed fluorescent phenothiazine-dibenzo[,]phenazine-phenothiazine triads exhibiting tricolor-changing mechanochromic luminescence. <i>Chemical Science</i> , 2017 , 8, 2677-2686	9.4	245
77	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> , 2016 , 55, 5739-44	16.4	224
76	1,4-Bis(alkenyl)-2,5-dipiperidinobenzenes: minimal fluorophores exhibiting highly efficient emission in the solid state. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3653-6	16.4	221
75	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> , 2012 , 51, 4095-9	16.4	157
74	2-Halogenoimidazolium salt catalyzed aza-Diels-Alder reaction through halogen-bond formation. <i>Organic Letters</i> , 2015 , 17, 318-21	6.2	122
73	Generation of nitrile oxides from oximes using t-BuOI and their cycloaddition. <i>Organic Letters</i> , 2011 , 13, 2966-9	6.2	121
72	Cyclizative atmospheric CO ₂ fixation by unsaturated amines with t-BuOI leading to cyclic carbamates. <i>Organic Letters</i> , 2012 , 14, 4874-7	6.2	112
71	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> , 2014 , 136, 8544-7	16.4	109
70	Recent Advancements in and the Future of Organic Emitters: TADF- and RTP-Active Multifunctional Organic Materials. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1613-1636	4.5	86
69	Oxidative dimerization of aromatic amines using tBuOI: entry to unsymmetric aromatic azo compounds. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 7804-8	16.4	84
68	1,4-Bis(alkenyl)-2,5-dipiperidinobenzenes: Minimal Fluorophores Exhibiting Highly Efficient Emission in the Solid State. <i>Angewandte Chemie</i> , 2009 , 121, 3707-3710	3.6	73
67	An air-stable low-bandgap n-type organic polymer semiconductor exhibiting selective solubility in perfluorinated solvents. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 9042-6	16.4	72
66	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> , 2018 , 54, 6847-6850	5.8	67
65	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> , 2013 , 78, 12090-105	4.2	65
64	Thermally Activated Delayed Fluorescent Donor-Acceptor-Donor-Acceptor EConjugated Macrocycle for Organic Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1482-1491	16.4	63
63	Palladium-catalyzed regioselective and stereo-invertive ring-opening borylation of 2-arylaziridines with bis(pinacolato)diboron: experimental and computational studies. <i>Chemical Science</i> , 2016 , 7, 6141-6152	8.4	59
62	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> , 2013 , 49, 9266-8	5.8	59

61	Dibenzo[a,j]phenazine-Cored Donor-Acceptor-Donor Compounds as Green-to-Red/NIR Thermally Activated Delayed Fluorescence Organic Light Emitters. <i>Angewandte Chemie</i> , 2016 , 128, 5833-5838	3.6	58
60	Twisting strategy applied to N,N-diorganoquinacridones leads to organic chromophores exhibiting efficient solid-state fluorescence. <i>Tetrahedron Letters</i> , 2011 , 52, 4084-4089	2	52
59	2,6-Diphospha-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> , 2014 , 20, 10266-70	4.8	47
58	Thermally activated delayed fluorescence vs. room temperature phosphorescence by conformation control of organic single molecules. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 6616-6621	7.1	46
57	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> , 2012 , 124, 4171-4175	3.6	46
56	Straightforward synthesis of CF ₃ -substituted triarylethenes by stereoselective threefold cross-coupling reactions. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 8659-61	16.4	35
55	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> , 2014 , 50, 10291-4	5.8	34
54	An optical and electrical study of full thermally activated delayed fluorescent white organic light-emitting diodes. <i>Scientific Reports</i> , 2017 , 7, 6234	4.9	29
53	Diastereoselective aziridination of chiral electron-deficient olefins with N-chloro-N-sodiocarbamates catalyzed by chiral quaternary ammonium salts. <i>Journal of Organic Chemistry</i> , 2011 , 76, 6277-85	4.2	29
52	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> , 2012 , 18, 12035-45	4.8	27
51	Straightforward and Versatile Synthesis of Fullerooxazoles from C ₆₀ and Carboxamides through Radical Reactions under Mild Conditions. <i>Asian Journal of Organic Chemistry</i> , 2013 , 2, 91-97	3	25
50	Palladium-Catalyzed Regioselective and Stereospecific Ring-Opening Cross-Coupling of Aziridines: Experimental and Computational Studies. <i>Accounts of Chemical Research</i> , 2020 , 53, 1686-1702	24.3	25
49	Oxidative Dimerization of Aromatic Amines using tBuOI: Entry to Unsymmetric Aromatic Azo Compounds. <i>Angewandte Chemie</i> , 2012 , 124, 7924-7928	3.6	24
48	PCy ₃ -catalyzed ring expansion of aziridinofullerenes with CO ₂ and aryl isocyanates: evidence for a two consecutive nucleophilic substitution pathway on the fullerene cage. <i>Chemistry - A European Journal</i> , 2013 , 19, 13479-83	4.8	23
47	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> , 2011 , 6, 2536-44	4.5	22
46	Hydrostatic Pressure-Controlled Ratiometric Luminescence Responses of a Dibenzo[a,j]phenazine-Cored Mechanoluminophore. <i>ChemPhotoChem</i> , 2019 , 3, 1203-1211	3.3	21
45	Transition-metal-free Benzylic C-H Bond Intermolecular Amination Utilizing Chloramine-T and I ₂ . <i>Chemistry Letters</i> , 2012 , 41, 1672-1674	1.7	20
44	FRET-mediated near infrared whispering gallery modes: studies on the relevance of intracavity energy transfer with Q-factors. <i>Materials Chemistry Frontiers</i> , 2018 , 2, 270-274	7.8	20

43	Novel Generation of 3,3,3-Trifluoropropynyllithium and Transformation of the Carbonyl Adducts to Trifluoromethyl-Substituted Allenes. <i>Synlett</i> , 2007 , 2007, 1163-1165	2.2	18
42	Ni(II) 10-Phosphacorrole: A Porphyrin Analogue Containing Phosphorus at the Meso Position. <i>Journal of the American Chemical Society</i> , 2019 , 141, 4800-4805	16.4	17
41	Thieno[3,4-c]phosphole-4,6-dione: A Versatile Building Block for Phosphorus-Containing Functional Conjugated Systems. <i>Chemistry - A European Journal</i> , 2016 , 22, 10360-4	4.8	16
40	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> , 2009 , 1, 921-45	4.1	16
39	Alchemy of donor-acceptor-donor multi-photofunctional organic materials: from construction of electron-deficient azaaromatics to exploration of functions. <i>Chemical Communications</i> , 2020 , 56, 8884-8894	5.8	15
38	Revisiting phosphorus analogues of phthalimides and naphthalimides: syntheses and comparative studies. <i>Chemistry - A European Journal</i> , 2015 , 21, 1666-72	4.8	14
37	A Practical Synthesis of Azobenzenes through Oxidative Dimerization of Aromatic Amines Using tert-Butyl Hypoiodite. <i>Synthesis</i> , 2013 , 45, 1029-1033	2.9	14
36	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> , 2005 , 34, 1700-1701	1.7	14
35	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> , 2019 , 10, 8642-8647	9.1	13
34	An Air-Stable Low-Bandgap n-Type Organic Polymer Semiconductor Exhibiting Selective Solubility in Perfluorinated Solvents. <i>Angewandte Chemie</i> , 2012 , 124, 9176-9180	3.6	13
33	Heavy-Atom-Free Room-Temperature Phosphorescent Organic Light-Emitting Diodes Enabled by Excited States Engineering. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 2899-2907	9.5	13
32	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> , 2019 , 9, 4582-4592	13.1	12
31	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> , 2012 , 1, 226-230	3	12
30	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> , 2015 , 11, 9-15	2.5	11
29	Stereoselective Preparation and Cope Rearrangement of 2-CF ₃ -cis-2,3-bis(alkenyl)oxiranes: A Facile Route to 2-CF ₃ -Substituted Oxacycles. <i>Heterocycles</i> , 2008 , 76, 329	0.8	11
28	Preparation, Structure, and Diels-Alder Reaction of Phenyl(trifluoromethanesulfonate)(3,3,3-trifluoropropynyl)-B-iodane. <i>Chemistry Letters</i> , 2008 , 37, 1304-1305	1.7	10
27	Asymmetric Synthesis of β -Aryl Amino Acids through Pd-Catalyzed Enantiospecific and Regioselective Ring-Opening Suzuki-Miyaura Arylation of Aziridine-2-carboxylates. <i>Chemistry - A European Journal</i> , 2019 , 25, 10226-10231	4.8	9
26	Molecular Packing and Solid-State Photophysical Properties of 1,3,6,8-Tetraalkylpyrenes. <i>Chemistry - A European Journal</i> , 2019 , 25, 14817-14825	4.8	9

25	Straightforward Synthesis of CF ₃ -Substituted Triarylethenes by Stereoselective Threefold Cross-Coupling Reactions. <i>Angewandte Chemie</i> , 2007 , 119, 8813-8815	3.6	8
24	Sigmoidally hydrochromic molecular porous crystal with rotatable dendrons. <i>Communications Chemistry</i> , 2020 , 3,	6.3	8
23	Aromatic-fused diketophosphanyl-core organic functional materials: phosphorus mimics of imides or beyond?. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 7807-7821	3.9	6
22	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
21	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> , 2018 , 83, 10289-10302	4.2	5
20	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> , 2011 , 84, 1339-1341	5.1	5
19	The impact of replacement of nitrogen with phosphorus atom in the pyromellitic diimides on their photophysical and electrochemical properties. <i>Electrochimica Acta</i> , 2019 , 295, 801-809	6.7	5
18	Effect of Alkyl Groups in Pyrene Chromophore on the Mechanical Response of Pyrene-Octafluoronaphthalene Co-Crystals. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 1349-1354	4.5	4
17	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> , 2020 , 9, 2153-2161	3	3
16	Palladium-Catalyzed Regioselective and Stereospecific Ring-Opening Suzuki-Miyaura Arylative Cross-Coupling of 2-Arylazetidines with Arylboronic Acids. <i>Advanced Synthesis and Catalysis</i> , 2021 , 363, 2796-2805	5.6	3
15	The Impact of C Insertion into a Carbazole Donor on the Physicochemical Properties of Dibenzo[a,j]phenazine-Cored Donor-Acceptor-Donor Triads. <i>Chemistry - A European Journal</i> , 2021 , 27, 13390-13398	4.8	3
14	An Inclusion Complex of C ₆₀ with Organosilylated β -Cyclodextrin: Drastic Enhancement of Apparent Solubility of C ₆₀ in Nonpolar and Weakly Polar Organic Solvents. <i>Asian Journal of Organic Chemistry</i> , 2013 , 2, 69-73	3	2
13	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
12	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 ₂ Complex. <i>Heterocycles</i> , 2016 , 93, 770	0.8	2
11	Heterocyclic Reagents Containing Nitrogen-Halogen Bond: Recent Applications. <i>Topics in Heterocyclic Chemistry</i> , 2011 , 139-183	0.2	1
10	Peripherally Donor-Installed 7,8-Diaza[5]helicenes as a Platform for Helical Luminophores. <i>Synthesis</i> , 2021 , 53, 1584-1596	2.9	1
9	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> , 2020 , 15, 4098-4103	4.5	1
8	Near Fermi Superatom State Stabilized by Surface State Resonances in a Multiporous Molecular Network. <i>Nano Letters</i> , 2021 , 21, 6456-6462	11.5	1

- 7 The Photophysics of Dibenzo[a,j]phenazine. *ChemPhotoChem*, **2021**, 5, 335-347 3.3 0
- 6 N1 Unit Transfer Reaction to C=C Double Bonds **2014**, 67-88
- 5 Development of Aromatic-Fused Diketophosphanyl-Cored Functional π -Conjugated Molecules. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2020**, 78, 792-800 0.2
- 4 Creation of Novel Functional Aza-Containing π -Conjugated Molecules Based on the Development of Novel Oxidative Transformations of Aromatic Amines. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2016**, 74, 955-964 0.2
- 3 The Photophysics of Dibenzo[a,j]phenazine. *ChemPhotoChem*, **2021**, 5, 297-297 3.3
- 2 Comparative study of thermally activated delayed fluorescent properties of donor-acceptor and donor-acceptor-donor architectures based on phenoxazine and dibenzo[π]phenazine.. *Beilstein Journal of Organic Chemistry*, **2022**, 18, 459-468 2.5
- 1 Transition metal catalyzed cross-coupling and nitrogen reduction reactions: Lessons from computational studies. *Advances in Organometallic Chemistry*, **2022**, 3.8