Satoshi Minakata

List of Publications by Year in Descending Order

98 papers	3,572 citations	33 h-index	58 g-index
108 ext. papers	4,122 ext. citations	7.3 avg, IF	5.79 L-index

#	Paper	IF	Citations
98	Comparative study of thermally activated delayed fluorescent properties of donor-acceptor and donor-acceptor-donor architectures based on phenoxazine and dibenzo[]phenazine.. *Beilstein Journal of Organic Chemistry*, **2022**, 18, 459-468	2.5	
97	Peripherally Donor-Installed 7,8-Diaza[5]helicenes as a Platform for Helical Luminophores. *Synthesis*, **2021**, 53, 1584-1596	2.9	1
96	Palladium-Catalyzed Regioselective and Stereospecific Ring-Opening Suzuki-Miyaura Arylative Cross-Coupling of 2-Arylazetidines with Arylboronic Acids. *Advanced Synthesis and Catalysis*, **2021**, 363, 2796-2805	5.6	3
95	The Photophysics of Dibenzo[a,j]phenazine. *ChemPhotoChem*, **2021**, 5, 297-297	3.3	
94	Near Fermi Superatom State Stabilized by Surface State Resonances in a Multiporous Molecular Network. *Nano Letters*, **2021**, 21, 6456-6462	11.5	1
93	Tris(pentafluorophenyl)borane-Catalyzed Formal Cyanoalkylation of Indoles with Cyanohydrins. *Journal of Organic Chemistry*, **2021**, 86, 8389-8401	4.2	3
92	A practical method for the aziridination of □unsaturated carbonyl compounds with a simple carbamate utilizing sodium hypochlorite pentahydrate.. *RSC Advances*, **2021**, 11, 22120-22124	3.7	1
91	Transition-Metal-Free Aziridination of Alkenes with Sulfamate Esters Using tert-Butyl Hypoiodite. *Heterocycles*, **2021**, 103, 190	0.8	
90	The Photophysics of Dibenzo[a,j]phenazine. *ChemPhotoChem*, **2021**, 5, 335-347	3.3	0
89	Diastereodivergent Intermolecular 1,2-Diamination of Unactivated Alkenes Enabled by Iodine Catalysis. *Journal of the American Chemical Society*, **2021**, 143, 4112-4118	16.4	14
88	Synthesis of Fused Diaziridine Derivatives from Cyclic Secondary Amines by Utilizing N-Bromosulfonamides as an Aminating Reagent. *Synthesis*, **2021**, 53, 3101-3109	2.9	0
87	Intramolecular C-H Amination of N-Alkylsulfamides by tert-Butyl Hypoiodite or N-Iodosuccinimide. *Chemistry - A European Journal*, **2021**, 27, 13971-13976	4.8	0
86	The Impact of C Insertion into a Carbazole Donor on the Physicochemical Properties of Dibenzo[a,j]phenazine-Cored Donor-Acceptor-Donor Triads. *Chemistry - A European Journal*, **2021**, 27, 13390-13398	4.8	3
85	Heavy-Atom-Free Room-Temperature Phosphorescent Organic Light-Emitting Diodes Enabled by Excited States Engineering. *ACS Applied Materials & Interfaces*, **2021**, 13, 2899-2907	9.5	13
84	Alchemy of donor-acceptor-donor multi-photofunctional organic materials: from construction of electron-deficient azaaromatics to exploration of functions. *Chemical Communications*, **2020**, 56, 8884-8894	5.8	15
83	Iodine-Based Reagents in Oxidative Amination and Oxygenation. *Synlett*, **2020**, 31, 845-855	2.2	5
82	Thermally Activated Delayed Fluorescent Donor-Acceptor-Donor-Acceptor □Conjugated Macrocycle for Organic Light-Emitting Diodes. *Journal of the American Chemical Society*, **2020**, 142, 1482-1491	16.4	63

81	Revealing Topological Influence of Phenylenediamine Unit on Physicochemical Properties of Donor-Acceptor-Donor-Acceptor Thermally Activated Delayed Fluorescent Macrocycles. *Chemistry - an Asian Journal*, **2020**, 15, 4098-4103	4.5	1
80	Electrochemical and Spectroelectrochemical Comparative Study of Macrocyclic Thermally Activated Delayed Fluorescent Compounds: Molecular Charge Stability vs OLED EQE Roll-Off. *Asian Journal of Organic Chemistry*, **2020**, 9, 2153-2161	3	3
79	Palladium-Catalyzed Regioselective and Stereospecific Ring-Opening Cross-Coupling of Aziridines: Experimental and Computational Studies. *Accounts of Chemical Research*, **2020**, 53, 1686-1702	24.3	25
78	Sigmoidally hydrochromic molecular porous crystal with rotatable dendrons. *Communications Chemistry*, **2020**, 3,	6.3	8
77	Transition-metal-free Intramolecular C-H amination of sulfamate esters and N-alkylsulfamides. *Chemical Communications*, **2019**, 55, 11782-11785	5.8	12
76	Electrophilic cyanation of allylic boranes: synthesis of □unsaturated nitriles containing allylic quaternary carbon centers. *Chemical Communications*, **2019**, 55, 458-461	5.8	9
75	Synthesis of Hypervalent Iodine(III) Reagents Containing a Transferable (Diarylmethylene)amino Group and Their Use in the Oxidative Amination of Silyl Ketene Acetals. *Angewandte Chemie*, **2019**, 131, 8999-9003	3.6	5
74	Asymmetric Synthesis of □Aryl Amino Acids through Pd-Catalyzed Enantiospecific and Regioselective Ring-Opening Suzuki-Miyaura Arylation of Aziridine-2-carboxylates. *Chemistry - A European Journal*, **2019**, 25, 10226-10231	4.8	9
73	Synthesis of Hypervalent Iodine(III) Reagents Containing a Transferable (Diarylmethylene)amino Group and Their Use in the Oxidative Amination of Silyl Ketene Acetals. *Angewandte Chemie - International Edition*, **2019**, 58, 8907-8911	16.4	14
72	Ni(II) 10-Phosphacorrole: A Porphyrin Analogue Containing Phosphorus at the Meso Position. *Journal of the American Chemical Society*, **2019**, 141, 4800-4805	16.4	17
71	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. *ACS Catalysis*, **2019**, 9, 4582-4592	13.1	12
70	Thermally activated delayed fluorescence vs. room temperature phosphorescence by conformation control of organic single molecules. *Journal of Materials Chemistry C*, **2019**, 7, 6616-6621	7.1	46
69	Hydrostatic Pressure-Controlled Ratiometric Luminescence Responses of a Dibenzo[a,j]phenazine-Cored Mechanoluminophore. *ChemPhotoChem*, **2019**, 3, 1203-1211	3.3	21
68	Catalyst-controlled regiodivergent ring-opening C(sp)-Si bond-forming reactions of 2-arylaziridines with silylborane enabled by synergistic palladium/copper dual catalysis. *Chemical Science*, **2019**, 10, 8642-8647	9.4	13
67	Aromatic-fused diketophosphanyl-core organic functional materials: phosphorus mimics of imides or beyond?. *Organic and Biomolecular Chemistry*, **2019**, 17, 7807-7821	3.9	6
66	Electrophilic Amination of Allylic Boranes with Azodicarboxylates: Synthesis of □Disubstituted Allylic Amine Derivatives. *Chemistry Letters*, **2019**, 48, 1116-1118	1.7	0
65	The impact of replacement of nitrogen with phosphorus atom in the pyromellitic diimides on their photophysical and electrochemical properties. *Electrochimica Acta*, **2019**, 295, 801-809	6.7	5
64	Syntheses of Diverse Donor-Substituted Bisbenzofuro[2,3- b:3',2'- e]pyridines (BBZFPys) via Pd Catalysis, and Their Photophysical Properties. *Journal of Organic Chemistry*, **2018**, 83, 10289-10302	4.2	5

63	Hypervalent iodine(III)-mediated decarboxylative acetoxylation at tertiary and benzylic carbon centers. *Beilstein Journal of Organic Chemistry*, **2018**, 14, 1046-1050	2.5	9
62	C-H oxygenation at tertiary carbon centers using iodine oxidant. *Chemical Communications*, **2018**, 54, 7609-7612	5.8	15
61	Introduction of Oxygen or Nitrogen Functionalities Utilizing Iodine Reagents. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2018**, 76, 1310-1323	0.2	
60	FRET-mediated near infrared whispering gallery modes: studies on the relevance of intracavity energy transfer with Q-factors. *Materials Chemistry Frontiers*, **2018**, 2, 270-274	7.8	20
59	Recent Advances in the Synthesis of -Ketonitriles. *Synthesis*, **2018**, 50, 485-498	2.9	11
58	Enantioselective Electrophilic Cyanation of Boron Enolates: Scope and Mechanistic Studies. *Chemistry - A European Journal*, **2018**, 24, 17027-17032	4.8	12
57	Conformationally-flexible and moderately electron-donating units-installed D-A-D triad enabling multicolor-changing mechanochromic luminescence, TADF and room-temperature phosphorescence. *Chemical Communications*, **2018**, 54, 6847-6850	5.8	67
56	Thermally activated delayed fluorescent phenothiazine-dibenzo[,]phenazine-phenothiazine triads exhibiting tricolor-changing mechanochromic luminescence. *Chemical Science*, **2017**, 8, 2677-2686	9.4	245
55	Hypervalent Iodine(III)-Mediated Decarboxylative Ritter-Type Amination Leading to the Production of -Tertiary Amine Derivatives. *Journal of Organic Chemistry*, **2017**, 82, 11711-11720	4.2	37
54	Oxidative Cyclization of ,-Unsaturated Carboxylic Acids Using Hypervalent Iodine Reagents: An Efficient Synthesis of 4-Substituted Furan-2-ones. *Synthesis*, **2017**, 49, 2907-2912	2.9	6
53	Catalytic Activation of 1-Cyano-3,3-dimethyl-3-(1H)-1,2-benziodoxole with B(CF) Enabling the Electrophilic Cyanation of Silyl Enol Ethers. *Organic Letters*, **2017**, 19, 4672-4675	6.2	25
52	An optical and electrical study of full thermally activated delayed fluorescent white organic light-emitting diodes. *Scientific Reports*, **2017**, 7, 6234	4.9	29
51	Electrophilic Cyanation of Boron Enolates: Efficient Access to Various -Ketonitrile Derivatives. *Angewandte Chemie*, **2016**, 128, 10614-10618	3.6	10
50	Electrophilic Cyanation of Boron Enolates: Efficient Access to Various -Ketonitrile Derivatives. *Angewandte Chemie - International Edition*, **2016**, 55, 10458-62	16.4	38
49	Thieno[3,4-c]phosphole-4,6-dione: A Versatile Building Block for Phosphorus-Containing Functional -Conjugated Systems. *Chemistry - A European Journal*, **2016**, 22, 10360-4	4.8	16
48	Palladium-catalyzed regioselective and stereo-invertive ring-opening borylation of 2-arylaziridines with bis(pinacolato)diboron: experimental and computational studies. *Chemical Science*, **2016**, 7, 6141-6152	8.4	59
47	Dibenzo[a,j]phenazine-Cored Donor-Acceptor-Donor Compounds as Green-to-Red/NIR Thermally Activated Delayed Fluorescence Organic Light Emitters. *Angewandte Chemie*, **2016**, 128, 5833-5838	3.6	58
46	Dibenzo[a,j]phenazine-Cored Donor-Acceptor-Donor Compounds as Green-to-Red/NIR Thermally Activated Delayed Fluorescence Organic Light Emitters. *Angewandte Chemie - International Edition*, **2016**, 55, 5739-44	16.4	224

45	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 BF2 Complex. *Heterocycles*, **2016**, 93, 770	0.8	2
44	Ritter-type amination of C-H bonds at tertiary carbon centers using iodic acid as an oxidant. *Chemical Communications*, **2016**, 52, 13082-13085	5.8	37
43	Revisiting phosphorus analogues of phthalimides and naphthalimides: syntheses and comparative studies. *Chemistry - A European Journal*, **2015**, 21, 1666-72	4.8	14
42	Synthesis and Structure of Hypervalent Iodine(III) Reagents Containing Phthalimidate and Application to Oxidative Amination Reactions. *Angewandte Chemie - International Edition*, **2015**, 54, 13719-23	16.4	48
41	Synthesis and Structure of Hypervalent Iodine(III) Reagents Containing Phthalimidate and Application to Oxidative Amination Reactions. *Angewandte Chemie*, **2015**, 127, 13923-13927	3.6	20
40	A facile synthesis of functionalized 7,8-diaza[5]helicenes through an oxidative ring-closure of 1,1'-binaphthalene-2,2'-diamines (BINAMs). *Beilstein Journal of Organic Chemistry*, **2015**, 11, 9-15	2.5	11
39	Iodine-Catalyzed Decarboxylative Amidation of -Unsaturated Carboxylic Acids with Chloramine Salts Leading to Allylic Amides. *Chemistry - A European Journal*, **2015**, 21, 15548-52	4.8	19
38	Intramolecular Carbolithiation of 3-Lithioxy-5-alkenyllithiums as a Platform for Cyclopentanols and Cyclopentanones. *Synlett*, **2015**, 26, 2413-2417	2.2	
37	Hypervalent iodine(III)-mediated oxidative decarboxylation of -unsaturated carboxylic acids. *Organic Letters*, **2014**, 16, 4646-9	6.2	65
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. *Chemical Communications*, **2014**, 50, 10291-4	5.8	34
35	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. *Chemistry - A European Journal*, **2014**, 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. *Journal of the American Chemical Society*, **2014**, 136, 8544-7	16.4	109
33	A Practical Synthesis of Azobenzenes through Oxidative Dimerization of Aromatic Amines Using tert-Butyl Hypoiodite. *Synthesis*, **2013**, 45, 1029-1033	2.9	14
32	Transition-metal-free Benzylic C-H Bond Intermolecular Amination Utilizing Chloramine-T and I2. *Chemistry Letters*, **2012**, 41, 1672-1674	1.7	20
31	Oxidative dimerization of aromatic amines using tBuOI: entry to unsymmetric aromatic azo compounds. *Angewandte Chemie - International Edition*, **2012**, 51, 7804-8	16.4	84
30	Diastereoselective aziridination of chiral electron-deficient olefins with N-chloro-N-sodiocarbamates catalyzed by chiral quaternary ammonium salts. *Journal of Organic Chemistry*, **2011**, 76, 6277-85	4.2	29
29	The Diels-Alder reaction of C60 and cyclopentadiene in mesoporous silica as a reaction medium. *Chemical Communications*, **2011**, 47, 6338-40	5.8	5
28	Iodoamidation of olefins with chloramine salts and iodine in aqueous media. *Chemical Communications*, **2011**, 47, 1905-7	5.8	22

27	Generation of nitrile oxides from oximes using t-BuOI and their cycloaddition. *Organic Letters*, **2011**, 13, 2966-9	6.2	121
26	Atmospheric CO2 Fixation by Unsaturated Alcohols Using tBuOI under Neutral Conditions. *Angewandte Chemie*, **2010**, 122, 1331-1333	3.6	44
25	Atmospheric CO2 fixation by unsaturated alcohols using tBuOI under neutral conditions. *Angewandte Chemie - International Edition*, **2010**, 49, 1309-11	16.4	119
24	Organic reactions on silica in water. *Chemical Reviews*, **2009**, 109, 711-24	68.1	330
23	Utilization of N-X bonds in the synthesis of N-heterocycles. *Accounts of Chemical Research*, **2009**, 42, 1172-82	24.3	119
22	Asymmetric recognition and sequential ring opening of 2-substituted-N-nosylaziridines with (DHQD)2AQN and TMSNu. *Organic and Biomolecular Chemistry*, **2009**, 7, 641-3	3.9	19
21	Catalytic aziridination of electron-deficient olefins with an N-chloro-N-sodio carbamate and application of this novel method to asymmetric synthesis. *Chemical Communications*, **2008**, 6363-5	5.8	56
20	Inclusion of C60 into MCM-41 by solvophobic nature. *Journal of the American Chemical Society*, **2008**, 130, 1536-7	16.4	21
19	The ionic introduction of an N1 unit to C60 and a unique rearrangement of aziridinofullerene. *Chemical Communications*, **2008**, 323-5	5.8	23
18	Direct synthesis of oxazolines from olefins and amides using t-BuOI. *Chemical Communications*, **2007**, 3279-81	5.8	60
17	Novel aziridination of olefins: direct synthesis from sulfonamides using t-BuOI. *Chemical Communications*, **2006**, 3337-9	5.8	62
16	Ring opening and expansion of aziridines in a silica-water reaction medium. *Journal of Organic Chemistry*, **2006**, 71, 7471-2	4.2	45
15	1,6-Stannatropic strategy: effective generation and cyclization of 1,5-dipoles from o-stannylmethylated thioanilides or phenyl isothiocyanates. *Organic Letters*, **2006**, 8, 3693-5	6.2	8
14	Unprecedented CO2-promoted aminochlorination of olefins with Chloramine-T. *Organic Letters*, **2006**, 8, 967-9	6.2	69
13	Practical and convenient synthesis of N-heterocycles: stereoselective cyclization of N-alkenylamides with t-BuOI under neutral conditions. *Organic Letters*, **2006**, 8, 3335-7	6.2	96
12	Lewis base catalyzed ring opening of aziridines with silylated nucleophiles. *Organic Letters*, **2005**, 7, 3509-12	6.2	70
11	Silica-water reaction media: its application to the formation and ring opening of aziridines. *Angewandte Chemie - International Edition*, **2004**, 43, 79-81	16.4	69
10	Silica□Water Reaction Media: Its Application to the Formation and Ring Opening of Aziridines. *Angewandte Chemie*, **2004**, 116, 81-83	3.6	17

9	Unique ionic iodine atom transfer cyclization: a new route to iodomethylated pyrrolidine derivatives from gamma-iodoolefin and chloramine-T. *Organic Letters*, **2002**, 4, 2097-9	6.2	29
8	Novel organic-solvent-free aziridination of olefins: Chloramine-T/I2 system under phase-transfer catalysis conditions. *Journal of the Chemical Society, Perkin Transactions 1*, **2001**, 3186-3188		46
7	Iodine-catalyzed aziridination of alkenes using Chloramine-T as a nitrogen source. *Tetrahedron*, **1998**, 54, 13485-13494	2.4	138
6	Eine neuartige und stereospezifische Aziridinierung von Alkenen mit einem chiralen Nitridomangankomplex. *Angewandte Chemie*, **1998**, 110, 3596-3598	3.6	23
5	Novel Asymmetric and Stereospecific Aziridination of Alkenes with a Chiral Nitridomanganese Complex. *Angewandte Chemie - International Edition*, **1998**, 37, 3392-3394	16.4	106
4	Nitrogen-philic Cyclization of Acyl Radicals onto NC Bond. New Synthesis of 2-Pyrrolidinones by Radical Carbonylation/Annulation Method. *Journal of the American Chemical Society*, **1998**, 120, 5838-5839	16.4	76
3	Multinuclear NMR and ab initio MO studies of 7-methyl-7H-pyrrolo [2,3-b]pyridine and related compounds. *Journal of Physical Organic Chemistry*, **1993**, 6, 139-144	2.1	1
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. *Journal of Materials Chemistry C*,	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. *Journal of Materials Chemistry C*,	7.1	6