

# Satoshi Minakata

## List of Publications by Citations

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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	Organic reactions on silica in water. <i>Chemical Reviews</i> , <b>2009</b> , 109, 711-24	68.1	330
97	Thermally activated delayed fluorescent phenothiazine-dibenzo[,]phenazine-phenothiazine triads exhibiting tricolor-changing mechanochromic luminescence. <i>Chemical Science</i> , <b>2017</b> , 8, 2677-2686	9.4	245
96	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
95	Iodine-catalyzed aziridination of alkenes using Chloramine-T as a nitrogen source. <i>Tetrahedron</i> , <b>1998</b> , 54, 13485-13494	2.4	138
94	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
93	Utilization of N-X bonds in the synthesis of N-heterocycles. <i>Accounts of Chemical Research</i> , <b>2009</b> , 42, 1172-83	17.3	119
92	Atmospheric CO <sub>2</sub> fixation by unsaturated alcohols using tBuOI under neutral conditions. <i>Angewandte Chemie - International Edition</i> , <b>2010</b> , 49, 1309-11	16.4	119
91	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
90	Novel Asymmetric and Stereospecific Aziridination of Alkenes with a Chiral Nitridomanganese Complex. <i>Angewandte Chemie - International Edition</i> , <b>1998</b> , 37, 3392-3394	16.4	106
89	Practical and convenient synthesis of N-heterocycles: stereoselective cyclization of N-alkenylamides with t-BuOI under neutral conditions. <i>Organic Letters</i> , <b>2006</b> , 8, 3335-7	6.2	96
88	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
87	Nitrogen-philic Cyclization of Acyl Radicals onto NC Bond. New Synthesis of 2-Pyrrolidinones by Radical Carbonylation/Annulation Method. <i>Journal of the American Chemical Society</i> , <b>1998</b> , 120, 5838-5839	16.4	76
86	Lewis base catalyzed ring opening of aziridines with silylated nucleophiles. <i>Organic Letters</i> , <b>2005</b> , 7, 3509-12	6.2	70
85	Unprecedented CO <sub>2</sub> -promoted aminochlorination of olefins with Chloramine-T. <i>Organic Letters</i> , <b>2006</b> , 8, 967-9	6.2	69
84	Silica-water reaction media: its application to the formation and ring opening of aziridines. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 79-81	16.4	69
83	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
82	Hypervalent iodine(III)-mediated oxidative decarboxylation of $\beta$ -unsaturated carboxylic acids. <i>Organic Letters</i> , <b>2014</b> , 16, 4646-9	6.2	65

81	Thermally Activated Delayed Fluorescent Donor-Acceptor-Donor-Acceptor EConjugated Macrocyclic for Organic Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 1482-1491	16.4	63
80	Novel aziridination of olefins: direct synthesis from sulfonamides using t-BuOI. <i>Chemical Communications</i> , <b>2006</b> , 3337-9	5.8	62
79	Direct synthesis of oxazolines from olefins and amides using t-BuOI. <i>Chemical Communications</i> , <b>2007</b> , 3279-81	5.8	60
78	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	8.4	59
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</i> , <b>2016</b> , 128, 5833-5838	3.6	58
76	Catalytic aziridination of electron-deficient olefins with an N-chloro-N-sodio carbamate and application of this novel method to asymmetric synthesis. <i>Chemical Communications</i> , <b>2008</b> , 6363-5	5.8	56
75	Synthesis and Structure of Hypervalent Iodine(III) Reagents Containing Phthalimide and Application to Oxidative Amination Reactions. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 13719-23	16.4	48
74	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> , <b>2014</b> , 20, 10266-70	4.8	47
73	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
72	Novel organic-solvent-free aziridination of olefins: Chloramine-T $\Sigma$ system under phase-transfer catalysis conditions. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , <b>2001</b> , 3186-3188		46
71	Ring opening and expansion of aziridines in a silica-water reaction medium. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 7471-2	4.2	45
70	Atmospheric CO <sub>2</sub> Fixation by Unsaturated Alcohols Using tBuOI under Neutral Conditions. <i>Angewandte Chemie</i> , <b>2010</b> , 122, 1331-1333	3.6	44
69	Electrophilic Cyanation of Boron Enolates: Efficient Access to Various Eketonitrile Derivatives. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 10458-62	16.4	38
68	Hypervalent Iodine(III)-Mediated Decarboxylative Ritter-Type Amination Leading to the Production of ETertiary Amine Derivatives. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 11711-11720	4.2	37
67	Ritter-type amination of C-H bonds at tertiary carbon centers using iodic acid as an oxidant. <i>Chemical Communications</i> , <b>2016</b> , 52, 13082-13085	5.8	37
66	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
65	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
64	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

- 63 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
- 62 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
- 61 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
- 60 Eine neuartige und stereospezifische Aziridinierung von Alkenen mit einem chiralen Nitridomangankomplex. *Angewandte Chemie*, **1998**, 110, 3596-3598 3.6 23
- 59 The ionic introduction of an N1 unit to C60 and a unique rearrangement of aziridinofullerene. *Chemical Communications*, **2008**, 323-5 5.8 23
- 58 Iodoamidation of olefins with chloramine salts and iodine in aqueous media. *Chemical Communications*, **2011**, 47, 1905-7 5.8 22
- 57 Hydrostatic Pressure-Controlled Ratiometric Luminescence Responses of a Dibenzo[a,j]phenazine-Cored Mechanoluminophore. *ChemPhotoChem*, **2019**, 3, 1203-1211 3.3 21
- 56 Inclusion of C60 into MCM-41 by solvophobic nature. *Journal of the American Chemical Society*, **2008**, 130, 1536-7 16.4 21
- 55 Synthesis and Structure of Hypervalent Iodine(III) Reagents Containing Phthalimide and Application to Oxidative Amination Reactions. *Angewandte Chemie*, **2015**, 127, 13923-13927 3.6 20
- 54 Transition-metal-free Benzylic C-H Bond Intermolecular Amination Utilizing Chloramine-T and I2. *Chemistry Letters*, **2012**, 41, 1672-1674 1.7 20
- 53 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
- 52 Iodine-Catalyzed Decarboxylative Amidation of  $\alpha$ -Unsaturated Carboxylic Acids with Chloramine Salts Leading to Allylic Amides. *Chemistry - A European Journal*, **2015**, 21, 15548-52 4.8 19
- 51 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
- 50 Ni(II) 10-Phosphacorrrole: A Porphyrin Analogue Containing Phosphorus at the Meso Position. *Journal of the American Chemical Society*, **2019**, 141, 4800-4805 16.4 17
- 49 Silica/Water Reaction Media: Its Application to the Formation and Ring Opening of Aziridines. *Angewandte Chemie*, **2004**, 116, 81-83 3.6 17
- 48 Thieno[3,4-c]phosphole-4,6-dione: A Versatile Building Block for Phosphorus-Containing Functional  $\pi$ -Conjugated Systems. *Chemistry - A European Journal*, **2016**, 22, 10360-4 4.8 16
- 47 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
- 46 C-H oxygenation at tertiary carbon centers using iodine oxidant. *Chemical Communications*, **2018**, 54, 7609-7612 5.8 15

45	Synthesis of Hypervalent Iodine(III) Reagents Containing a Transferable (Diarylmethylene)amino Group and Their Use in the Oxidative Amination of Silyl Ketene Acetals. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 8907-8911	16.4	14
44	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
43	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
42	Diastereodivergent Intermolecular 1,2-Diamination of Unactivated Alkenes Enabled by Iodine Catalysis. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 4112-4118	16.4	14
41	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
40	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
39	Transition-metal-free Intramolecular C-H amination of sulfamate esters and N-alkylsulfamides. <i>Chemical Communications</i> , <b>2019</b> , 55, 11782-11785	5.8	12
38	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
37	Enantioselective Electrophilic Cyanation of Boron Enolates: Scope and Mechanistic Studies. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 17027-17032	4.8	12
36	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
35	Recent Advances in the Synthesis of $\beta$ -Ketonitriles. <i>Synthesis</i> , <b>2018</b> , 50, 485-498	2.9	11
34	Electrophilic Cyanation of Boron Enolates: Efficient Access to Various $\beta$ -Ketonitrile Derivatives. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 10614-10618	3.6	10
33	Electrophilic cyanation of allylic boranes: synthesis of $\beta$ -unsaturated nitriles containing allylic quaternary carbon centers. <i>Chemical Communications</i> , <b>2019</b> , 55, 458-461	5.8	9
32	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
31	Hypervalent iodine(III)-mediated decarboxylative acetoxylation at tertiary and benzylic carbon centers. <i>Beilstein Journal of Organic Chemistry</i> , <b>2018</b> , 14, 1046-1050	2.5	9
30	1,6-Stannatropic strategy: effective generation and cyclization of 1,5-dipoles from o-stannylmethylated thioanilides or phenyl isothiocyanates. <i>Organic Letters</i> , <b>2006</b> , 8, 3693-5	6.2	8
29	Sigmoidally hydrochromic molecular porous crystal with rotatable dendrons. <i>Communications Chemistry</i> , <b>2020</b> , 3,	6.3	8
28	Oxidative Cyclization of $\beta$ -Unsaturated Carboxylic Acids Using Hypervalent Iodine Reagents: An Efficient Synthesis of 4-Substituted Furan-2-ones. <i>Synthesis</i> , <b>2017</b> , 49, 2907-2912	2.9	6

27	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
26	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
25	Synthesis of Hypervalent Iodine(III) Reagents Containing a Transferable (Diarylmethylene)amino Group and Their Use in the Oxidative Amination of Silyl Ketene Acetals. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 8999-9003	3.6	5
24	Iodine-Based Reagents in Oxidative Amination and Oxygenation. <i>Synlett</i> , <b>2020</b> , 31, 845-855	2.2	5
23	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
22	The Diels-Alder reaction of C60 and cyclopentadiene in mesoporous silica as a reaction medium. <i>Chemical Communications</i> , <b>2011</b> , 47, 6338-40	5.8	5
21	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
20	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
19	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
18	Tris(pentafluorophenyl)borane-Catalyzed Formal Cyanoalkylation of Indoles with Cyanohydrins. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 8389-8401	4.2	3
17	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> , <b>2021</b> , 27, 13390-13398	4.8	3
16	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
15	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
14	Multinuclear NMR and ab initio MO studies of 7-methyl-7H-pyrrolo [2,3-b]pyridine and related compounds. <i>Journal of Physical Organic Chemistry</i> , <b>1993</b> , 6, 139-144	2.1	1
13	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
12	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
11	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
10	A practical method for the aziridination of $\alpha$ -unsaturated carbonyl compounds with a simple carbamate utilizing sodium hypochlorite pentahydrate.. <i>RSC Advances</i> , <b>2021</b> , 11, 22120-22124	3.7	1

9	Electrophilic Amination of Allylic Boranes with Azodicarboxylates: Synthesis of $\beta$ -Disubstituted Allylic Amine Derivatives. <i>Chemistry Letters</i> , <b>2019</b> , 48, 1116-1118	1.7	o
8	The Photophysics of Dibenzo[a,j]phenazine. <i>ChemPhotoChem</i> , <b>2021</b> , 5, 335-347	3.3	o
7	Synthesis of Fused Diaziridine Derivatives from Cyclic Secondary Amines by Utilizing N-Bromosulfonamides as an Aminating Reagent. <i>Synthesis</i> , <b>2021</b> , 53, 3101-3109	2.9	o
6	Intramolecular C-H Amination of N-Alkylsulfamides by tert-Butyl Hypoiodite or N-Iodosuccinimide. <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 13971-13976	4.8	o
5	Intramolecular Carbolithiation of 3-Lithioxy-5-alkenyllithiums as a Platform for Cyclopentanols and Cyclopentanones. <i>Synlett</i> , <b>2015</b> , 26, 2413-2417	2.2	
4	Introduction of Oxygen or Nitrogen Functionalities Utilizing Iodine Reagents. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , <b>2018</b> , 76, 1310-1323	0.2	
3	The Photophysics of Dibenzo[a,j]phenazine. <i>ChemPhotoChem</i> , <b>2021</b> , 5, 297-297	3.3	
2	Transition-Metal-Free Aziridination of Alkenes with Sulfamate Esters Using tert-Butyl Hypoiodite. <i>Heterocycles</i> , <b>2021</b> , 103, 190	0.8	
1	Comparative study of thermally activated delayed fluorescent properties of donor-acceptor and donor-acceptor-donor architectures based on phenoxazine and dibenzo[a,j]phenazine.. <i>Beilstein Journal of Organic Chemistry</i> , <b>2022</b> , 18, 459-468	2.5	