

# Satoshi Minakata

## List of Publications by Year in descending order

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97  
papers

4,634  
citations

101496

36  
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102432

66  
g-index

108  
all docs

108  
docs citations

108  
times ranked

4456  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic Reactions on Silica in Water. <i>Chemical Reviews</i> , 2009, 109, 711-724.	23.0	357
2	Thermally activated delayed fluorescent phenothiazineâ€“dibenzo[a,j]phenazineâ€“phenothiazine triads exhibiting tricolor-changing mechanochromic luminescence. <i>Chemical Science</i> , 2017, 8, 2677-2686.	3.7	356
3	Dibenzo[ <i>a,j</i> ]phenazineâ€“Cored Donorâ€“Acceptorâ€“Donor Compounds as Greenâ€“toâ€“Red/NIR Thermally Activated Delayed Fluorescence Organic Light Emitters. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5739-5744.	7.2	303
4	Iodine-catalyzed aziridination of alkenes using Chloramine-T as a nitrogen source. <i>Tetrahedron</i> , 1998, 54, 13485-13494.	1.0	159
5	Generation of Nitrile Oxides from Oximes Using <i>t</i> -BuOI and Their Cycloaddition. <i>Organic Letters</i> , 2011, 13, 2966-2969.	2.4	143
6	Pd/NHC-Catalyzed Enantiospecific and Regioselective Suzukiâ€“Miyaura Arylation of 2-Arylaziridines: Synthesis of Enantioenriched 2-Arylphenethylamine Derivatives. <i>Journal of the American Chemical Society</i> , 2014, 136, 8544-8547.	6.6	139
7	Utilization of Nâ€“X Bonds in The Synthesis of N-Heterocycles. <i>Accounts of Chemical Research</i> , 2009, 42, 1172-1182.	7.6	137
8	Novel Asymmetric and Stereospecific Aziridination of Alkenes with a Chiral Nitridomanganese Complex. <i>Angewandte Chemie - International Edition</i> , 1998, 37, 3392-3394.	7.2	128
9	Atmospheric CO <sub>2</sub> Fixation by Unsaturated Alcohols Using <i>t</i> -BuOI under Neutral Conditions. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1309-1311.	7.2	125
10	Thermally Activated Delayed Fluorescent Donorâ€“Acceptorâ€“Donorâ€“Acceptor Î€-Conjugated Macrocyclic for Organic Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2020, 142, 1482-1491.	6.6	114
11	Oxidative Dimerization of Aromatic Amines using <i>t</i> -BuOI: Entry to Unsymmetric Aromatic Azo Compounds. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7804-7808.	7.2	106
12	Practical and Convenient Synthesis of N-Heterocycles:â€“% Stereoselective Cyclization of N-Alkenylamides with <i>t</i> -BuOI under Neutral Conditions. <i>Organic Letters</i> , 2006, 8, 3335-3337.	2.4	104
13	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> , 1998, 120, 5838-5839.	6.6	101
14	Conformationally-flexible and moderately electron-donating units-installed Dâ€“Aâ€“D triad enabling multicolor-changing mechanochromic luminescence, TADF and room-temperature phosphorescence. <i>Chemical Communications</i> , 2018, 54, 6847-6850.	2.2	98
15	Silicaâ€“Water Reaction Media: Its Application to the Formation and Ring Opening of Aziridines. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 79-81.	7.2	82
16	Unprecedented CO <sub>2</sub> -Promoted Aminochlorination of Olefins with Chloramine-T. <i>Organic Letters</i> , 2006, 8, 967-969.	2.4	80
17	Hypervalent Iodine(III)-Mediated Oxidative Decarboxylation of Î²,Î³-Unsaturated Carboxylic Acids. <i>Organic Letters</i> , 2014, 16, 4646-4649.	2.4	77
18	Lewis Base Catalyzed Ring Opening of Aziridines with Silylated Nucleophiles. <i>Organic Letters</i> , 2005, 7, 3509-3512.	2.4	76

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19	Thermally activated delayed fluorescence <i>vs.</i> room temperature phosphorescence by conformation control of organic single molecules. <i>Journal of Materials Chemistry C</i> , 2019, 7, 6616-6621.	2.7	74
20	Novel aziridination of olefins: direct synthesis from sulfonamides using t-BuOI. <i>Chemical Communications</i> , 2006, , 3337.	2.2	70
21	Dibenzo[ <i>a,j</i> ]phenazineâ€Cored Donorâ€CAcceptorâ€CDonor Compounds as Greenâ€Ctoâ€CRed/NIR Thermally Activated Delayed Fluorescence Organic Light Emitters. <i>Angewandte Chemie</i> , 2016, 128, 5833-5838.	1.6	70
22	Direct synthesis of oxazolines from olefins and amides using t-BuOI. <i>Chemical Communications</i> , 2007, , 3279.	2.2	69
23	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.	3.7	69
24	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> , 2008, , 6363.	2.2	63
25	Synthesis and Structure of Hypervalent Iodine(III) Reagents Containing Phthalimide and Application to Oxidative Amination Reactions. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13719-13723.	7.2	63
26	Hypervalent Iodine(III)-Mediated Decarboxylative Ritter-Type Amination Leading to the Production of Î±-Tertiary Amine Derivatives. <i>Journal of Organic Chemistry</i> , 2017, 82, 11711-11720.	1.7	59
27	Novel organic-solvent-free aziridination of olefins: Chloramine-Tâ€C/I <sub>2</sub> system under phase-transfer catalysis conditions. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 3186-3188.	1.3	53
28	Electrophilic Cyanation of Boron Enolates: Efficient Access to Various Î±-Ketonitrile Derivatives. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10458-10462.	7.2	50
29	Ring Opening and Expansion of Aziridines in a Silicaâ€CWater Reaction Medium. <i>Journal of Organic Chemistry</i> , 2006, 71, 7471-7472.	1.7	49
30	2,6â€CDiphosphaâ€Cindaceneâ€C1,3,5,7(2â€CH,6â€CH)â€Ctetraone: A Phosphorus Analogue of Aromatic Diimides with the Minimal Core Exhibiting High Electronâ€CAccepting Ability. <i>Chemistry - A European Journal</i> , 2014, 20, 10266-10270.	1.7	48
31	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.	7.6	48
32	Heavy-Atom-Free Room-Temperature Phosphorescent Organic Light-Emitting Diodes Enabled by Excited States Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 2899-2907.	4.0	48
33	Oxidative skeletal rearrangement of 1,1â€C-binaphthalene-2,2â€C-diamines (BINAMs) <i>via</i> Câ€C bond cleavage and nitrogen migration: a versatile synthesis of U-shaped azaacenes. <i>Chemical Communications</i> , 2014, 50, 10291-10294.	2.2	47
34	Ritter-type amination of Câ€CH bonds at tertiary carbon centers using iodic acid as an oxidant. <i>Chemical Communications</i> , 2016, 52, 13082-13085.	2.2	47
35	Diastereodivergent Intermolecular 1,2-Diamination of Unactivated Alkenes Enabled by Iodine Catalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 4112-4118.	6.6	39
36	Unique Ionic Iodine Atom Transfer Cyclization:â€C A New Route to Iodomethylated Pyrrolidine Derivatives from Î³-Iodoolefin and Chloramine-T. <i>Organic Letters</i> , 2002, 4, 2097-2099.	2.4	38

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37	An optical and electrical study of full thermally activated delayed fluorescent white organic light-emitting diodes. <i>Scientific Reports</i> , 2017, 7, 6234.	1.6	38
38	Catalytic Activation of 1-Cyano-3,3-dimethyl-3-(1H)-1,2-benziodoxole with B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> Enabling the Electrophilic Cyanation of Silyl Enol Ethers. <i>Organic Letters</i> , 2017, 19, 4672-4675.	2.4	37
39	Alchemy of donor-acceptor multi-photofunctional organic materials: from construction of electron-deficient azaaromatics to exploration of functions. <i>Chemical Communications</i> , 2020, 56, 8884-8894.	2.2	35
40	Diastereoselective Aziridination of Chiral Electron-Deficient Olefins with <i>N</i> -Chloro- <i>N</i> -sodiocarbamates Catalyzed by Chiral Quaternary Ammonium Salts. <i>Journal of Organic Chemistry</i> , 2011, 76, 6277-6285.	1.7	34
41	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> , 2019, 58, 8907-8911.	7.2	32
42	Revealing the internal heavy chalcogen atom effect on the photophysics of the dibenzo[ <i>a,j</i> ]phenazine-cored donor-acceptor-donor triad. <i>Journal of Materials Chemistry C</i> , 2021, 9, 13942-13953.	2.7	29
43	Iodoamidation of olefins with chloramine salts and iodine in aqueous media. <i>Chemical Communications</i> , 2011, 47, 1905-1907.	2.2	27
44	Hydrostatic Pressure-Controlled Ratiometric Luminescence Responses of a Dibenzo[ <i>a,j</i> ]phenazine-Cored Mechanoluminophore. <i>ChemPhotoChem</i> , 2019, 3, 1203-1211.	1.5	27
45	FRET-mediated near infrared whispering gallery modes: studies on the relevance of intracavity energy transfer with <i>Q</i> -factors. <i>Materials Chemistry Frontiers</i> , 2018, 2, 270-274.	3.2	26
46	The ionic introduction of an <i>N</i> <sub>1</sub> unit to C <sub>60</sub> and a unique rearrangement of aziridinofullerene. <i>Chemical Communications</i> , 2008, , 323-325.	2.2	24
47	Transition-metal-free Benzylic C-H Bond Intermolecular Amination Utilizing Chloramine-T and I <sub>2</sub> . <i>Chemistry Letters</i> , 2012, 41, 1672-1674.	0.7	24
48	Ni(II) 10-Phosphacorrole: A Porphyrin Analogue Containing Phosphorus at the <i>Meso</i> Position. <i>Journal of the American Chemical Society</i> , 2019, 141, 4800-4805.	6.6	24
49	Iodine-Catalyzed Decarboxylative Amidation of <sup>2,3</sup> Unsaturated Carboxylic Acids with Chloramine Salts Leading to Allylic Amides. <i>Chemistry - A European Journal</i> , 2015, 21, 15548-15552.	1.7	23
50	Inclusion of C <sub>60</sub> into MCM-41 by Solvophobic Nature. <i>Journal of the American Chemical Society</i> , 2008, 130, 1536-1537.	6.6	22
51	Enantioselective Electrophilic Cyanation of Boron Enolates: Scope and Mechanistic Studies. <i>Chemistry - A European Journal</i> , 2018, 24, 17027-17032.	1.7	21
52	Asymmetric recognition and sequential ring opening of 2-substituted- <i>N</i> -nosylaziridines with (DHQD)2AQN and TMSNu. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 641.	1.5	20
53	C-H oxygenation at tertiary carbon centers using iodine oxidant. <i>Chemical Communications</i> , 2018, 54, 7609-7612.	2.2	20
54	Catalyst-controlled regiodivergent ring-opening C(sp <sup>3</sup> )-Si bond-forming reactions of 2-arylaziridines with silylborane enabled by synergistic palladium/copper dual catalysis. <i>Chemical Science</i> , 2019, 10, 8642-8647.	3.7	19

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55	Transition-metal-free Intramolecular C-H amination of sulfamate esters and <i>N</i> -alkylsulfamides. <i>Chemical Communications</i> , 2019, 55, 11782-11785.	2.2	19
56	The 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> , 2022, 10, 4905-4913.	2.7	18
57	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.	1.3	17
58	Thieno[3,4- <i>c</i> ]phosphole-4,6-dione: A Versatile Building Block for Phosphorus-Containing Functional Conjugated Systems. <i>Chemistry - A European Journal</i> , 2016, 22, 10360-10364.	1.7	16
59	A Practical Synthesis of Azobenzenes through Oxidative Dimerization of Aromatic Amines Using tert-Butyl Hypoiodite. <i>Synthesis</i> , 2013, 45, 1029-1033.	1.2	15
60	Revisiting Phosphorus Analogues of Phthalimides and Naphthalimides: Syntheses and Comparative Studies. <i>Chemistry - A European Journal</i> , 2015, 21, 1666-1672.	1.7	15
61	Recent Advances in the Synthesis of $\beta$ -Ketonitriles. <i>Synthesis</i> , 2018, 50, 485-498.	1.2	15
62	Electrophilic cyanation of allylic boranes: synthesis of $\beta,\beta$ -unsaturated nitriles containing allylic quaternary carbon centers. <i>Chemical Communications</i> , 2019, 55, 458-461.	2.2	15
63	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> , 2019, 25, 10226-10231.	1.7	14
64	Sigmoidally hydrochromic molecular porous crystal with rotatable dendrons. <i>Communications Chemistry</i> , 2020, 3, .	2.0	14
65	Electrophilic Cyanation of Boron Enolates: Efficient Access to Various $\beta$ -Ketonitrile Derivatives. <i>Angewandte Chemie</i> , 2016, 128, 10614-10618.	1.6	13
66	Hypervalent iodine(III)-mediated decarboxylative acetoxylation at tertiary and benzylic carbon centers. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1046-1050.	1.3	13
67	Oxidative Cyclization of $\beta,\beta$ -Unsaturated Carboxylic Acids Using Hypervalent Iodine Reagents: An Efficient Synthesis of 4-Substituted Furan-2-ones. <i>Synthesis</i> , 2017, 49, 2907-2912.	1.2	12
68	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.	5.5	12
69	Dual-photofunctional organogermanium compound based on donor-acceptor-donor architecture. <i>Chemical Communications</i> , 2022, 58, 5889-5892.	2.2	11
70	Aromatic-fused diketophosphanyl-core organic functional materials: phosphorus mimics of imides or beyond?. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 7807-7821.	1.5	10
71	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> , 2019, 131, 8999-9003.	1.6	10
72	1,6-Stannatropic Strategy: Effective Generation and Cyclization of 1,5-Dipoles fromo-Stannylmethylated Thioanilides or Phenyl Isothiocyanates. <i>Organic Letters</i> , 2006, 8, 3693-3695.	2.4	9

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73	Syntheses of Diverse Donor-Substituted Bisbenzofuro[2,3- <i>b</i> :3',2'- <i>e</i> ]pyridines (BBZFPys) via Pd Catalysis, and Their Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2018, 83, 10289-10302.	1.7	9
74	Iodine-Based Reagents in Oxidative Amination and Oxygenation. <i>Synlett</i> , 2020, 31, 845-855.	1.0	9
75	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.	1.3	8
76	The Diels-Alder reaction of C60 and cyclopentadiene in mesoporous silica as a reaction medium. <i>Chemical Communications</i> , 2011, 47, 6338.	2.2	7
77	Tris(pentafluorophenyl)borane-Catalyzed Formal Cyanoalkylation of Indoles with Cyanohydrins. <i>Journal of Organic Chemistry</i> , 2021, 86, 8389-8401.	1.7	7
78	A New Entry to Purely Organic Thermally Activated Delayed Fluorescence Emitters Based on Pyrido[2,3- <i>b</i> ]pyrazine-Dihydrophenazasilines Donor-Acceptor Dyad. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	1.3	7
79	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.	2.6	6
80	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.	2.1	6
81	Near Fermi Superatom State Stabilized by Surface State Resonances in a Multiporous Molecular Network. <i>Nano Letters</i> , 2021, 21, 6456-6462.	4.5	6
82	A practical method for the aziridination of $\alpha,\beta$ -unsaturated carbonyl compounds with a simple carbamate utilizing sodium hypochlorite pentahydrate. <i>RSC Advances</i> , 2021, 11, 22120-22124.	1.7	5
83	Synthesis of Fused Diaziridine Derivatives from Cyclic Secondary Amines by Utilizing N-Bromosulfonamides as an Aminating Reagent. <i>Synthesis</i> , 2021, 53, 3101-3109.	1.2	5
84	The Impact of C2 Insertion into a Carbazole Donor on the Physicochemical Properties of Dibenzo[ <i>a,j</i> ]phenazine-Cored Donor-Acceptor-Donor Triads. <i>Chemistry - A European Journal</i> , 2021, 27, 13390-13398.	1.7	5
85	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.	1.7	3
86	The Photophysics of Dibenzo[ <i>a,j</i> ]phenazine. <i>ChemPhotoChem</i> , 2021, 5, 335-347.	1.5	3
87	Peripherally Donor-Installed 7,8-Diaza[5]helicenes as a Platform for Helical Luminophores. <i>Synthesis</i> , 2021, 53, 1584-1596.	1.2	3
88	Multinuclear NMR and ab initio MO studies of 7-methyl-7H-pyrrolo [2,3- <i>b</i> ]pyridine and related compounds. <i>Journal of Physical Organic Chemistry</i> , 1993, 6, 139-144.	0.9	2
89	Ring-contractive and -Closing Skeletal Rearrangement of 1,1'-Binaphthalene-2,2'-Diamines (Binams) Induced by an Iodine-Containing Oxidant: Synthesis of Spiro[Benzo[ <i>e</i> ]indole-1,1'-inden]-2-amines and Application to an Aiee-active BF <sub>2</sub> Complex. <i>Heterocycles</i> , 2016, 93, 770.	0.4	2
90	Intramolecular C-H Amination of N-Alkylsulfamides by tert-Butyl Hypoiodite or N-Iodosuccinimide. <i>Chemistry - A European Journal</i> , 2021, 27, 13971-13976.	1.7	2

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91	Comparative study of thermally activated delayed fluorescent properties of donor-acceptor and donor-acceptor-donor architectures based on phenoxazine and dibenzo[ <i>a,j</i> ]phenazine. <i>Beilstein Journal of Organic Chemistry</i> , 2022, 18, 459-468.	1.3	2
92	Electrophilic Amination of Allylic Boranes with Azodicarboxylates: Synthesis of $\hat{1}\pm, \hat{1}\pm$ -Disubstituted Allylic Amine Derivatives. <i>Chemistry Letters</i> , 2019, 48, 1116-1118.	0.7	1
93	Transition-Metal-Free Aziridination of Alkenes with Sulfamate Esters Using <i>tert</i> -Butyl Hypoiodite. <i>Heterocycles</i> , 2021, 103, 190.	0.4	1
94	Oxidative Self-Annulation of 2,5-Diaryl-3,4-diaminothiophene via C-C and C-S Bond Cleavage of the Thiophene Ring: A New Synthesis of an Amino-Substituted Triarylthieno[3,4- <i>b</i> ]pyrazines and Their Photophysical Properties. <i>Heterocycles</i> , 2017, 95, 137.	0.4	1
95	Intramolecular Carbolithiation of 3-Lithioxy-5-alkenyllithiums as a Platform for Cyclopentanols and Cyclopentanones. <i>Synlett</i> , 2015, 26, 2413-2417.	1.0	0
96	The Photophysics of Dibenzo[ <i>a,j</i> ]phenazine. <i>ChemPhotoChem</i> , 2021, 5, 297-297.	1.5	0
97	Introduction of Oxygen or Nitrogen Functionalities Utilizing Iodine Reagents. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2018, 76, 1310-1323.	0.0	0