Seijiro Matsubara

List of Publications by Citations

99 papers	2,099 citations	26 h-index	42 g-index
107 ext. papers	2,396 ext. citations	5.4 avg, IF	5.43 L-index

#	Paper	IF	Citations
99	Asymmetric catalytic cycloetherification mediated by bifunctional organocatalysts. *Journal of the American Chemical Society*, **2011**, 133, 16711-3	16.4	125
98	Bifunctional organocatalysts for the enantioselective synthesis of axially chiral isoquinoline N-oxides. *Journal of the American Chemical Society*, **2015**, 137, 6766-9	16.4	105
97	Facile net cycloaddition approach to optically active 1,5-benzothiazepines. *Journal of the American Chemical Society*, **2015**, 137, 5320-3	16.4	98
96	Palladium-catalyzed cross-coupling reaction of organoindiums with aryl halides in aqueous media. *Organic Letters*, **2001**, 3, 1997-9	6.2	97
95	Palladium-catalyzed decarboxylation and decarbonylation under hydrothermal conditions: decarboxylative deuteration. *Organic Letters*, **2004**, 6, 2071-3	6.2	96
94	Triethylborane-induced bromine atom-transfer radical addition in aqueous media: study of the solvent effect on radical addition reactions. *Journal of Organic Chemistry*, **2001**, 66, 7776-85	4.2	92
93	Asymmetric indoline synthesis via intramolecular aza-Michael addition mediated by bifunctional organocatalysts. *Organic Letters*, **2013**, 15, 3658-61	6.2	74
92	Procedure-controlled enantioselectivity switch in organocatalytic 2-oxazolidinone synthesis. *Journal of the American Chemical Society*, **2013**, 135, 12160-3	16.4	72
91	Asymmetric synthesis of 1,3-dioxolanes by organocatalytic formal [3 + 2] cycloaddition via hemiacetal intermediates. *Organic Letters*, **2012**, 14, 1620-3	6.2	71
90	Cationic iron(III) porphyrin-catalyzed [4 + 2] cycloaddition of unactivated aldehydes with simple dienes. *Journal of the American Chemical Society*, **2012**, 134, 5512-5	16.4	69
89	Triethylborane-induced radical reactions with gallium hydride reagent HGaCl2. *Organic Letters*, **2001**, 3, 1853-5	6.2	56
88	Organocatalytic asymmetric oxy-Michael addition to a □hydroxy-□unsaturated thioester via hemiacetal intermediates. *Chemical Communications*, **2012**, 48, 5076-8	5.8	55
87	Asymmetric chroman synthesis via an intramolecular oxy-Michael addition by bifunctional organocatalysts. *Organic and Biomolecular Chemistry*, **2014**, 12, 119-22	3.9	54
86	Asymmetric Synthesis of Spiroketals with Aminothiourea Catalysts. *Angewandte Chemie - International Edition*, **2015**, 54, 15497-500	16.4	43
85	Nickel-Catalyzed Reactions Directed toward the Formation of Heterocycles. *Accounts of Chemical Research*, **2015**, 48, 1703-16	24.3	43
84	Induction of Axial Chirality in 8-Arylquinolines through Halogenation Reactions Using Bifunctional Organocatalysts. *Chemistry - A European Journal*, **2017**, 23, 9996-10000	4.8	38
83	Asymmetric Synthesis of 1,3-Oxazolidines via Intramolecular Aza-Michael Addition by Bifunctional Organocatalysts. *Chemistry Letters*, **2013**, 42, 355-357	1.7	38

82	Remarkable rate acceleration of Pd(0)-catalyzed hydrogermylation of alkynes and dienes in water. *Organic Letters*, **2001**, 3, 2521-4	6.2	37
81	Asymmetric oxy-Michael addition to α-hydroxy-β,γ-unsaturated carbonyls using formaldehyde as an oxygen-centered nucleophile. *Organic Letters*, **2014**, 16, 6264-6	6.2	35
80	Asymmetric isomerization of α-hydroxy-β,γ-unsaturated thioesters into α-mercaptolactones by a bifunctional aminothiourea catalyst. *Organic Letters*, **2014**, 16, 2184-7	6.2	34
79	Asymmetric Cycloetherifications by Bifunctional Aminothiourea Catalysts: The Importance of Hydrogen Bonding. *Synthesis*, **2013**, 45, 1627-1634	2.9	33
78	Cobalt(III) porphyrin catalyzed aza-Diels-Alder reaction. *Organic Letters*, **2012**, 14, 4794-7	6.2	31
77	Nickel-catalyzed intermolecular carboiodination of alkynes with aryl iodides. *Chemical Communications*, **2018**, 54, 12750-12753	5.8	31
76	"Naked" Lithium Cation: Strongly Activated Metal Cations Facilitated by Carborane Anions. *Journal of Organic Chemistry*, **2017**, 82, 1931-1935	4.2	29
75	Manganese porphyrin catalyzed cycloisomerization of enynes. *Organic Letters*, **2012**, 14, 3008-11	6.2	27
74	Stereoselective pinacol-type rearrangement of 2,3-epoxy alcohols with retention of configuration mediated by bis(iodozincio)methane. *Angewandte Chemie - International Edition*, **2002**, 41, 2837-40	16.4	27
73	Organocatalytic enantio- and diastereoselective cycloetherification via dynamic kinetic resolution of chiral cyanohydrins. *Nature Communications*, **2017**, 8, 1397	17.4	26
72	Theoretical Mechanistic Study of Novel Ni(0)-Catalyzed [6 + 2 + 2] Cycloaddition Reactions of Isatoic Anhydrides with Alkynes: Origin of Facile Decarboxylation. *Organometallics*, **2013**, 32, 7564-7574	3.8	23
71	Asymmetric Net Cycloaddition for Access to Diverse Substituted 1,5-Benzothiazepines. *Journal of Organic Chemistry*, **2017**, 82, 12655-12668	4.2	22
70	Nickel-catalyzed Cycloaddition of β,γ-Unsaturated Oximes with Alkynes: Synthesis of Highly Substituted Pyridine Derivatives. *Chemistry Letters*, **2012**, 41, 1498-1499	1.7	22
69	A chiral phosphoric acid catalyst for asymmetric construction of 1,3-dioxanes. *Chemical Communications*, **2015**, 51, 11693-6	5.8	19
68	Iron Corrole-catalyzed [4 + 2] Cycloaddition of Dienes and Aldehydes. *Chemistry Letters*, **2013**, 42, 1241-1243	1.7	19
67	trans-Cyclooctenes as Halolactonization Catalysts. *Angewandte Chemie - International Edition*, **2018**, 57, 13863-13867	16.4	19
66	Asymmetric Synthesis of Spiroketals with Aminothiourea Catalysts. *Angewandte Chemie*, **2015**, 127, 15717-15720	1.7	18
65	Diastereoselective Synthesis of 1,3-Oxazolidines via Cationic Iron Porphyrin-catalyzed Cycloaddition of Aziridines with Aldehydes. *Organic Letters*, **2019**, 21, 2593-2596	6.2	17

64	Nickel-Catalyzed [5+2] Cycloaddition of 10π-Electron Aromatic Benzothiophenes with Alkynes To Form Thermally Metastable 12π-Electron Nonaromatic Benzothiepines. *Journal of the American Chemical Society*, **2019**, 141, 12541-12544	16.4	16
63	Transition-metal-catalyzed sequential cross-coupling of bis(iodozincio)methane and -ethane with two different organic halides. *Chemistry - A European Journal*, **2006**, 12, 721-6	4.8	16
62	FeCl as an Ion-Pairing Lewis Acid Catalyst. Formation of Highly Lewis Acidic FeCl and Thermodynamically Stable FeCl To Catalyze the Aza-Diels-Alder Reaction with High Turnover Frequency. *Organic Letters*, **2018**, 20, 7474-7477	6.2	15
61	Ruthenium-Porphyrin-Catalyzed [4 + 2] Cycloaddition of α,β-Unsaturated Imines and Aldehydes. *Organic Letters*, **2015**, 17, 5284-7	6.2	14
60	Catalytic Approaches to Optically Active 1,5-Benzothiazepines. *ACS Catalysis*, **2018**, 8, 6273-6282	13.1	14
59	Organocatalytic Enantio- and Diastereoselective Construction of syn-1,3-Diol Motifs via Dynamic Kinetic Resolution of In Situ Generated Chiral Cyanohydrins. *Organic Letters*, **2019**, 21, 2688-2692	6.2	13
58	Bis(iodozincio)methane as a synthetic tool.. *Proceedings of the Japan Academy Series B: Physical and Biological Sciences*, **2003**, 79B, 71-77	4	13
57	Enantio- and Diastereoselective Construction of Contiguous Tetrasubstituted Chiral Carbons in Organocatalytic Oxadecalin Synthesis. *Organic Letters*, **2020**, 22, 4710-4715	6.2	12
56	Nickel-Catalyzed Intermolecular Carbobromination of Alkynes. *ACS Catalysis*, **2020**, 10, 3773-3777	13.1	12
55	Regio- and Diastereoselective Nickel-Catalyzed Cycloaddition of Activated Cyclopropanes with Allenes. *Synlett*, **2014**, 25, 2281-2284	2.2	12
54	Nickel-catalyzed Decarbonylative and Decarboxylative Cycloaddition of Isatoic Anhydrides with Alkynes. *Chemistry Letters*, **2013**, 42, 1238-1240	1.7	12
53	Asymmetric Cycloetherification of in Situ Generated Cyanohydrins through the Concomitant Construction of Three Chiral Carbon Centers. *Organic Letters*, **2019**, 21, 2156-2160	6.2	11
52	Lithium(1+)-Catalyzed Nazarov-Type Cyclization of 1-Arylbuta-2,3-dien-1-ols: Synthesis of Benzofulvene Derivatives. *Synlett*, **2014**, 25, 2067-2071	2.2	11
51	[3+2] Cycloaddition of Aziridines and Alkenes Catalyzed by a Cationic Manganese Porphyrin. *Synlett* , **2013**, 24, 2763-2767	2.2	11
50	Asymmetric Cycloetherification via the Kinetic Resolution of Alcohols Using Chiral Phosphoric Acid Catalysts. *Chemistry Letters*, **2016**, 45, 1300-1303	1.7	10
49	Stereocontrolled addition of enolates to chiral 2-acyl-1,3-oxathiane derivatives. *Chirality*, **2003**, 15, 38-40	2.1	10
48	A Protocol for an Iodine-Metal Exchange Reaction on Cubane Using Lithium Organozincates. *Organic Letters*, **2019**, 21, 473-475	6.2	10
47	Asymmetric Aza-Diels-Alder Reaction with Ion-Paired-Iron Lewis Acid-Brønsted Acid Catalyst. *Chemistry - A European Journal*, **2019**, 25, 8987-8991	4.8	9

46	Ytterbium tricyanide: Preparation and catalytic activity for the addition of cyanotrimethylsilane to carbonyl compounds. *Applied Organometallic Chemistry*, **1995**, 9, 413-419	3.1	9
45	Enantioselective bromination of axially chiral cyanoarenes in the presence of bifunctional organocatalysts.. *RSC Advances*, **2019**, 9, 31654-31658	3.7	9
44	Cationic Iron(III) Porphyrin Catalyzed Dehydrative Friedel-Crafts Reaction of Alcohols with Arenes. *Synlett*, **2013**, 24, 2148-2152	2.2	8
43	Cationic Cobalt Porphyrin-Catalyzed Allylation of Aldehydes with Allyltrimethylsilanes. *Organic Letters*, **2019**, 21, 3834-3837	6.2	7
42	A Triphenylamine with Two Phenoxy Radicals Having Unusual Bonding Patterns and a Closed-Shell Electronic State. *Angewandte Chemie - International Edition*, **2015**, 54, 8267-70	16.4	7
41	Diastereoselective Reduction of β(1,3-Dioxan-4-yl)ketones. *Synlett*, **2015**, 26, 1872-1874	2.2	7
40	Bifunctional organocatalysts for the asymmetric synthesis of axially chiral benzamides. *Beilstein Journal of Organic Chemistry*, **2017**, 13, 1518-1523	2.5	7
39	Cobalt Porphyrin Catalyzed [3+2] Cycloaddition of Cyclopropanes and Carbonyl Compounds. *Synlett* , **2014**, 25, 2005-2008	2.2	7
38	Design of Molecular Transformations Based on the Concerted Function of Two Zinc Atoms in Bis(iodozincio)methane. *Synlett*, **2014**, 25, 2831-2841	2.2	7
37	Rapid Preparation of Cycloheptane Ring from 1,2-Diketone and Bis(iodozincio)methane via Oxy-Cope Rearrangement Using Microflow System. *Chemistry Letters*, **2012**, 41, 628-629	1.7	7
36	Fullerene and Sulfur Compounds. *Materials Transactions*, **2002**, 43, 1530-1532	1.3	7
35	Kinetic Resolution of Acylsilane Cyanohydrins via Organocatalytic Cycloetherification. *Chemistry - an Asian Journal*, **2019**, 14, 116-120	4.5	7
34	Chlorotrifluoromethylation of Terminal Olefins by Atom Transfer-Type Radical Reaction Catalyzed by Cobalt Complexes. *European Journal of Organic Chemistry*, **2019**, 2019, 4613-4616	3.2	6
33	Preparation of the Zinc Enolate Equivalent of Amides by Zinciomethylation of Isocyanates: Catalytic Asymmetric Reformatsky-Type Reaction. *Synthesis*, **2014**, 46, 2272-2282	2.9	6
32	Samarium Diiodide-Mediated Reaction of Organic Halides with Carbonyl Compounds.. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **1998**, 56, 908-918	0.2	6
31	Desymmetrization of gem-diols via water-assisted organocatalytic enantio- and diastereoselective cycloetherification. *Chemical Communications*, **2020**, 56, 12335-12338	5.8	6
30	Copper-Catalyzed Direct and Stereoselective Synthesis of Conjugated Enynes from Allenols. *Advanced Synthesis and Catalysis*, **2019**, 361, 39-43	5.6	6
29	Asymmetric Cycloetherification by Bifunctional Organocatalyst. *Synthesis*, **2018**, 50, 4243-4253	2.9	6

28	Preparation of Organozinc Reagents via Catalyst Controlled Three-Component Coupling between Alkyne, Iodoarene, and Bis(iodozincio)methane. *Organic Letters*, **2017**, 19, 3335-3337	6.2	5
27	Cubane Chirality via Substitution of a "Hidden" Regular Tetrahedron. *Organic Letters*, **2020**, 22, 4083-4087	6.2	5
26	1,1-Bismetallated Species641-683		5
25	Asymmetric syn-1,3-Dioxane Construction via Kinetic Resolution of Secondary Alcohols Using Chiral Phosphoric Acid Catalysts. *Asian Journal of Organic Chemistry*, **2019**, 8, 814-818	3	4
24	Sm-vermittelte, hochstereoselektive Reaktionen von 1,1-Dihalogenalkanen mit Aldehyden Herstellung eines chiralen Iodethyl-Synthesebausteins aus 1,1-Diiodetha. *Angewandte Chemie*, **1997**, 109, 631-633	3.6	4
23	Molecular Transformations Using Bis(iodozincio)methane The Role of Chelation in Main Group Organometallic Chemistry. *Bulletin of the Chemical Society of Japan*, **2018**, 91, 82-86	5.1	3
22	Ligand-controlled Behavior of Ag(I) Complex as Lewis Acid. *Chemistry Letters*, **2018**, 47, 532-535	1.7	3
21	Rhodium(III) Porphyrin-catalyzed Reactions via Activation of Alkynes. *Chemistry Letters*, **2014**, 43, 1937-1939	1.7	3
20	Preparation of an Arenylmethylzinc Reagent with Functional Groups by Chemoselective Cross-Coupling Reaction of Bis(iodozincio)methane with Iodoarenes. *Synlett*, **2015**, 26, 2395-2398	2.2	3
19	Copper-catalyzed 1,4-Addition Reaction of Grignard Reagent to Enones Using Microflow System. *Chemistry Letters*, **2013**, 42, 471-472	1.7	3
18	trans-Cyclooctenes as Halolactonization Catalysts. *Angewandte Chemie*, **2018**, 130, 14059-14063	3.6	3
17	Olefination of Carbonyl Compounds by Zinc and Chromium Reagents200-222		2
16	Catalytic Aerobic Oxidation of Alkenes with Ferric Boroperoxo Porphyrin Complex; Reduction of Oxygen by Iron Porphyrin. *Bulletin of the Chemical Society of Japan*, **2021**, 94, 2493-2497	5.1	2
15	Organozinc Reagents in a Flow-microreactor From Methylenation to Asymmetric Autocatalysis *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2015**, 73, 435-441	0.2	2
14	Digitization of Organic Synthesis How Synthetic Organic Chemists Use AI Technology *Chemistry Letters*, **2021**, 50, 475-481	1.7	2
13	Unmasking Inherent Chirality within the Cubane Skeleton. *Israel Journal of Chemistry*, **2021**, 61, 380-386	3.4	2
12	Nickel-catalyzed Decarbonylative Polymerization of 5-Alkynylphthalimides: A New Methodology for the Preparation of Polyheterocycles. *Chemistry Letters*, **2012**, 41, 1566-1568	1.7	1
11	Transition of Methylenation Reaction-The Outcome of "Ingredients of Couldron". *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2007**, 65, 194-203	0.2	1

List of Publications

10	Catalytic asymmetric cycloetherification via intramolecular oxy-Michael addition of enols. *Tetrahedron*, **2021**, 97, 132381	2.4	1
9	Ingredients of the Soup in the Chemist's Cauldron: Structural Analysis of Organometallics in the Solution by X-ray.. *Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry*, **2002**, 60, 383-388	0.2	0
8	trans-Cyclooctenes as Chiral Ligands in Rhodium-Catalyzed Asymmetric 1,4-Additions. *European Journal of Organic Chemistry*, **2020**, 2020, 7131-7133	3.2	0
7	The Chemistry of Bis-Aluminated Compounds **2016**, 1-18		
6	Rubidium and Cesium in Organic Synthesis **2005**, 35-50		
5	[4 + 2] and [3 + 2] Cycloaddition via Metallacycles221-340		
4	Aerobic Direct Dioxygenation of Terminal/Internal Alkynes to α-Hydroxyketones by an Fe Porphyrin Catalyst. *Chemistry - an Asian Journal*, **2021**, 16, 3615-3618	4.5	
3	Preparation of 2-Aryl-3-silyl- and 2-Aryl-3-germyl-1,3-butadienes via Arylnickelation and Zinciomethylation. *Heterocycles*, **2021**, 103, 769	0.8	
2	Ni-Catalyzed Dearomative Cycloaddition of Alkynes to 10π-Aromatic Benzothiophenes: Elucidation of Reaction Mechanism. *Bulletin of the Chemical Society of Japan*, **2021**, 94, 2727-2738	5.1	
1	FeBr3-catalyzed Fully Intermolecular [2+2+2] Cycloaddition of Alkenes. *Chemistry Letters*, **2021**, 50, 2018-2021	1.7	