

Chisato Mukai

List of Publications by Year in descending order

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65
papers

2,471
citations

147801

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83
times ranked

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#	ARTICLE	IF	CITATIONS
1	Airâ€Stable Cationic Gold(I) Catalyst Featuring a Zâ€Type Ligand: Promoting Enyne Cyclizations. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 818-822.	13.8	113
2	Rh(I)-Catalyzed Intramolecular Allenic Pausonâ~Khand Reaction:â€‰ Construction of a Bicyclo[5.3.0]dec-1,7-dien-9-one Skeleton. <i>Organic Letters</i> , 2002, 4, 1755-1758.	4.6	107
3	Co ₂ (CO) ₈ -Catalyzed Intramolecular Hetero-Pausonâ~Khand Reaction of Alkynecarbodiimide:â€‰ Synthesis of (Â±)-Physostigmine. <i>Organic Letters</i> , 2006, 8, 83-86.	4.6	104
4	Rhodium(I)-Catalyzed Intramolecular [5+2]-Cycloaddition Reactions of Alkynes and Allenylcyclopropanes: Construction of Bicyclo[5.4.0]undecatrienes and Bicyclo[5.5.0]dodecatrienes. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 2206-2210.	13.8	100
5	Efficient Construction of the Bicyclo[5.3.0]decenone Skeleton Based on the Rh(I)-Catalyzed Allenic Pausonâ~Khand Reaction. <i>Journal of Organic Chemistry</i> , 2003, 68, 1376-1385.	3.2	91
6	Stereoselective Total Syntheses of Three Lycopodium Alkaloids, (â~)-Magellanine, (+)-Magellaninone, and (+)-Paniculatine, Based on Two Pausonâ~Khand Reactions. <i>Journal of Organic Chemistry</i> , 2007, 72, 10147-10154.	3.2	79
7	Rhodium(I)-Catalyzed Intramolecular Pausonâ~Khand-Type [2 + 2 + 1] Cycloaddition of Allenenes. <i>Organic Letters</i> , 2006, 8, 1217-1220.	4.6	74
8	Total Synthesis of (Â±)-Meloscine. <i>Organic Letters</i> , 2011, 13, 1778-1780.	4.6	73
9	C _{sp³} and C _{sp³} -H Bond Activation of 1,1-Disubstituted Cyclopentane. <i>Journal of the American Chemical Society</i> , 2012, 134, 19580-19583.	13.7	71
10	Rh(I)-catalyzed ring-closing reaction of allenynes: selective construction of cycloheptene, bicyclo[5.3.0]decadienone, and bicyclo[5.2.0]nonene frameworks. <i>Tetrahedron Letters</i> , 2004, 45, 4117-4121.	1.4	69
11	Rhodium(I)-Catalyzed Intramolecular Carbonylative [2+2+1] Cycloaddition of Bis(allene)s: Bicyclo[6.3.0]undecadienones and Bicyclo[5.3.0]decadienones. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2007-2011.	13.8	68
12	Total Syntheses of (â~)- and (+)-Goniomitine. <i>Organic Letters</i> , 2011, 13, 1796-1799.	4.6	68
13	Rh(I)-Catalyzed Pausonâ~Khand Reaction and Cycloisomerization of Allenynes:Â Selective Preparation of Monocyclic, Bicyclo[m.3.0], and Bicyclo[5.2.0] Ring Systems. <i>Journal of Organic Chemistry</i> , 2005, 70, 7159-7171.	3.2	65
14	Synthesis of Hexahydropyrrolo[2,3-i>-b</i>]indole Alkaloids Based on the Aza-Pausonâ~Khand-Type Reaction of Alkynecarbodiimides. <i>Journal of Organic Chemistry</i> , 2007, 72, 6878-6884.	3.2	61
15	Rh(I)-catalyzed allenic Pausonâ~Khand reaction: first construction of the bicyclo[6.3.0]undecadienone ring system. <i>Tetrahedron</i> , 2005, 61, 10983-10994.	1.9	58
16	Formal Synthesis of (+)-Nakadomarin A. <i>Organic Letters</i> , 2010, 12, 1800-1803.	4.6	56
17	Total Synthesis of (Â±)-8Î±-Hydroxystreptazalone. <i>Organic Letters</i> , 2002, 4, 4301-4304.	4.6	54
18	A New Entry to the Synthesis of 2,3-Disubstituted Indoles. <i>Organic Letters</i> , 2005, 7, 5793-5796.	4.6	53

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19	Stereocomplementary Construction of Optically Active Bicyclo[4.3.0]nonenone Derivatives. <i>Journal of Organic Chemistry</i> , 1999, 64, 6822-6832.	3.2	52
20	Rh ^I -Catalyzed [6+2] Cycloaddition of Alkyne-Allenylcyclobutanes: A New Entry for the Synthesis of Bicyclo[6.m.0] Skeletons. <i>Chemistry - A European Journal</i> , 2011, 17, 9062-9065.	3.3	50
21	CO ₂ -Selective Absorbents in Air: Reverse Lipid Bilayer Structure Forming Neutral Carbamic Acid in Water without Hydration. <i>Journal of the American Chemical Society</i> , 2017, 139, 4639-4642.	13.7	46
22	Total Syntheses of (+)-Fawcettimine and (+)-Lycoposerramine-B. <i>Journal of Organic Chemistry</i> , 2010, 75, 3420-3426.	3.2	44
23	Total Syntheses of (±)-Fawcettimine, (±)-Fawcettidine, (±)-Lycoflexine, and (±)-Lycoposerramine-Q. <i>Chemistry - A European Journal</i> , 2013, 19, 8665-8672.	3.3	43
24	Studies on the Total Synthesis of Streptazolin and Its Related Natural Products: A First Total Synthesis of (±)-8-Hydroxystreptazolone. <i>Journal of Organic Chemistry</i> , 2004, 69, 1803-1812.	3.2	41
25	Rhodium(I)-Catalyzed Intramolecular Carbonylative [2+2+1] Cycloadditions and Cycloisomerizations of Bis(sulfonylallene)s. <i>Chemistry - A European Journal</i> , 2010, 16, 5173-5183.	3.3	41
26	Total synthesis of (+)-kopsihainanine A. <i>Chemical Communications</i> , 2014, 50, 5782.	4.1	40
27	Progress in Carbonylative [2+2+1] Cycloaddition: Utilization of a Nitrile Group as the β -Component. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11138-11142.	13.8	39
28	Pauson-Khand Reaction of Optically Active 6,7-Bis(tert-butyl)dimethylsiloxy)non-1-en-8-yne. <i>Journal of Organic Chemistry</i> , 2000, 65, 6654-6659.	3.2	36
29	Generation of N-(tert-Butoxycarbonyl)indole-2,3-quinodimethane and Its [4+2]-Type Cycloaddition. <i>Journal of Organic Chemistry</i> , 2009, 74, 6402-6405.	3.2	36
30	Stereospecific and Stereoselective Rhodium(I)-Catalyzed Intramolecular [2+2+2] Cycloaddition of Allene-Alkynes: Construction of Bicyclo[4.1.0]heptenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 1240-1244.	13.8	36
31	Stereoselective Total Syntheses of Uncommon Sesquiterpenoids Isolated from <i>Jatropha neopauciflora</i> . <i>Organic Letters</i> , 2008, 10, 2385-2388.	4.6	35
32	Rhodium(I)-Catalyzed Cycloisomerization of Alkene-Substituted Allenylcyclopropanes: Stereoselective Formation of Bicyclo[4.3.0]nonadienes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11369-11372.	13.8	32
33	Rhodium(I)-Catalyzed Cycloisomerization of Benzylallene-Alkynes through C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7608-7612.	13.8	32
34	Sequential Pericyclic Reaction of Ene-diallenes: An Efficient Approach to the Steroid Skeleton. <i>Organic Letters</i> , 2006, 8, 95-98.	4.6	30
35	Substituent Effects in the Cyclization of Yne-Diols Catalyzed by Gold Complexes Featuring L ₂ Z-Type Diphosphinoborane Ligands. <i>Organometallics</i> , 2017, 36, 3005-3008.	2.3	30
36	Reaction of ene-bis(phosphinylallenes): [2+2] versus [4+2] cycloaddition. <i>Tetrahedron</i> , 2006, 62, 10311-10320.	1.9	28

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37	Construction of the Oxazolidinone Framework from Propargylamine and CO ₂ in Air at Ambient Temperature: Catalytic Effect of a Gold Complex Featuring an L ₂ /Z-type Ligand. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 2972-2976.	2.4	24
38	Rhodium(I)-Catalyzed Cycloisomerization of Allene-Alkenylcyclopropanes. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 719-722.	2.4	23
39	Construction of Hexahydrophenanthrenes By Rhodium(I)-Catalyzed Cycloisomerization of Benzylallene-Substituted Internal Alkynes through C-H Activation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10473-10477.	13.8	21
40	Enantioselective Total Synthesis of (+)-Sieboldine A. <i>Organic Letters</i> , 2017, 19, 320-323.	4.6	20
41	Rhodium(I)-Catalyzed Cycloisomerization of Homopropargylallene-Alkynes through C(sp ³)-C(sp) Bond Activation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 4707-4711.	13.8	17
42	Synthesis of naphtho[b]cyclobutenes from 1,2-bis(3-propynol)benzenes. <i>Tetrahedron Letters</i> , 2006, 47, 1849-1852.	1.4	16
43	Intermolecular [4 + 2] Cycloaddition of Quinodimethanes Derived from Ene-Bis(sulfinylallenes). <i>Journal of Organic Chemistry</i> , 2006, 71, 6908-6914.	3.2	15
44	Rh(I)-catalyzed intramolecular [2 + 2 + 1] cycloaddition of allenenes: Construction of bicyclo[4.3.0]nonenones with an angular methyl group and tricyclo[6.4.0.0 ^{1,5}]dodecenone. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 404-409.	2.2	15
45	Construction of Diverse Ring Systems Based on Allene-Multiple Bond Cycloaddition. <i>Synlett</i> , 2011, 2011, 594-614.	1.8	15
46	Energyless CO ₂ Absorption, Generation, and Fixation Using Atmospheric CO ₂ . <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 8-13.	1.3	14
47	Syntheses of 6-8-5 tricyclic ring systems by carbonylative [2+2+1] cycloaddition of bis(allene)s. <i>Tetrahedron</i> , 2013, 69, 1509-1515.	1.9	13
48	Rhodium(I)-Catalyzed Ring-Closing Reaction of Allene-Alkene-Alkynes: One-Step Construction of Tricyclo[6.4.0.0 ^{2,6}] and Bicyclo[6.3.0] Skeletons from Linear Carbon Chains. <i>Chemistry - A European Journal</i> , 2018, 24, 6538-6542.	3.3	13
49	The Gold-catalyzed Formal Hydration, Decarboxylation, and [4+2] Cycloaddition of Alkyne Derivatives Featuring L ₂ /Z-type Diphosphinoborane Ligands. <i>Chemistry Letters</i> , 2018, 47, 1321-1323.	1.3	13
50	Mechanistic Investigation of Rh ^I -Catalyzed Cycloisomerization of Benzylallene-Internal Alkynes via C-H Activation. <i>Journal of Organic Chemistry</i> , 2017, 82, 7666-7674.	3.2	10
51	Planar Chiral [2.2]Paracyclophane-Based Bisoxazoline Ligands: Design, Synthesis, and Use in Cu-Catalyzed Inter- and Intramolecular Asymmetric O-H Insertion Reactions. <i>Chemical and Pharmaceutical Bulletin</i> , 2018, 66, 1006-1014.	1.3	10
52	Chemoselective and Regioselective Rhodium(I)-Catalyzed [2+2+2] Cycloaddition of Allenynes with Alkynes. <i>Chemistry - A European Journal</i> , 2016, 22, 12181-12188.	3.3	7
53	Synthesis of a Carbon Analogue of Scytonemin. <i>Chemical and Pharmaceutical Bulletin</i> , 2015, 63, 273-277.	1.3	5
54	Rh(I)-Catalyzed Intramolecular Carbonylative [2+2+1] Cycloaddition Reaction: Preparation of Bicyclo[5.3.0]decadienones with Substituted Cyclopentenone Frameworks. <i>Chemical and Pharmaceutical Bulletin</i> , 2014, 62, 84-87.	1.3	4

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55	Concise Construction of Bicyclo[6.4.0] and [7.4.0] Frameworks by [4+2] Cycloaddition of 3,4-Dimethylene-2,5-bis(phenylsulfonyl)cycloalkenes. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4412-4422.		4
56	Rh ⁺ -Catalyzed Cycloaddition between Allenyl π -Bonds and C-C Triple Bonds. Yuki Gosei Kagaku Kyokaiishi/ <i>Journal of Synthetic Organic Chemistry</i> , 2016, 74, 1108-1118.	0.1	4
57	Construction of Hexahydrophenanthrenes By Rhodium(I)-Catalyzed Cycloisomerization of Benzylallene-Substituted Internal Alkynes through C-H Activation. <i>Angewandte Chemie</i> , 2016, 128, 10629-10633.	2.0	4
58	Rhodium(I)-Catalyzed Cycloisomerization of Homopropargyllallene-Alkynes through C(sp ³) π C(sp) Bond Activation. <i>Angewandte Chemie</i> , 2018, 130, 4797-4801.	2.0	4
59	Construction of Azabicyclo[6.4.0]dodecatrienes Based on Rhodium(I)-Catalyzed Intramolecular [6+2] Cycloaddition between Azetidine, Allene, and Alkynes. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 805-810.	1.3	3
60	Characterization and Functionality of Imidazolium Ionic Liquids Modified Magnetic Nanoparticles. <i>Journal of Chemistry</i> , 2013, 2013, 1-7.	1.9	2
61	Creation of Novel Cyclization Methods Using π -Hybridized Carbon Units and Syntheses of Bioactive Compounds. <i>Chemical and Pharmaceutical Bulletin</i> , 2017, 65, 511-523.	1.3	2
62	Substrate Specific Silver(I)-Catalyzed Cycloisomerization of Diene Involving Alkyl Rearrangements: Syntheses of 1,2,5,6-Tetrahydrocuminic Acid, <i>p</i> -Menth-3-en-7-ol, and <i>p</i> -Menth-3-en-7-al. <i>Chemical and Pharmaceutical Bulletin</i> , 2017, 65, 822-825.	1.3	2
63	Activation of disulfide bond cleavage triggered by hydrophobization and lipophilization of functionalized dihydroasparagusic acid. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4320-4324.	2.8	2
64	A Comparison between the Cycloadditions of Allenyl- and Vinyl-Cyclopentanes Using Density Functional Theory and GRRM Program. <i>Chemical and Pharmaceutical Bulletin</i> , 2020, 68, 737-741.	1.3	1
65	Rhodium(I)-Catalyzed Cycloisomerization of Homopropargyllallene-Alkynes through C(sp ³) π C(sp) Bond Activation (<i>Angew. Chem.</i> 17/2018). <i>Angewandte Chemie</i> , 2018, 130, 4896-4896.	2.0	0