Shin Takemoto

List of Publications by Year
in descending order

45 papers	1,134 citations	304743 22 h-index	395702 33 g-index
48 all docs	48 docs citations	48 times ranked	1115 citing authors

#	Article	IF	Citations
1	Synthesis of Helicenes Utilizing Palladium-Catalyzed Double Câ^'H Arylation Reaction. Journal of Organic Chemistry, 2007, 72, 7406-7408.	3.2	79
2	Stereoselective Synthesis of Both Enantiomers ofN-Aryl Indoles with Axially Chiral Nâ^'C BondsÂ¶. Journal of Organic Chemistry, 2007, 72, 3394-3402.	3.2	69
3	Ruthenium Complexes Containing Bis(diarylamido)/Thioether Ligands:Â Synthesis and Their Catalysis for the Hydrogenation of Benzonitrile. Organometallics, 2002, 21, 3897-3904.	2.3	66
4	Synthesis of Heterobimetallic Feâ^'M (M = Ni, Pd, Pt) Complexes Containing the 1,1â€˜-Ferrocenedithiolato Ligand and Their Conversion to Trinuclear Complexes. Inorganic Chemistry, 1998, 37, 6428-6434.	4.0	59
5	A Diruthenium Î¼-Carbido Complex That Shows Singlet-Carbene-like Reactivity. Journal of the American Chemical Society, 2014, 136, 15889-15892.	13.7	52
6	Formation of Ammonia in the Reactions of a Tungsten Dinitrogen with Ruthenium Dihydrogen Complexes under Mild Reaction Conditions1. Inorganic Chemistry, 2000, 39, 5946-5957.	4.0	49
7	Recent advances in the chemistry of ruthenium carbido complexes. Coordination Chemistry Reviews, 2012, 256, 574-588.	18.8	48
8	Olefin Polymerization Catalyzed by Titaniumâ^'Tungsten Heterobimetallic Dinitrogen Complexes1. Organometallics, 2004, 23, 4544-4546.	2.3	44
9	Reactivity of Amido Ligands on a Dinuclear Ru(II) Center:Â Formation of Imido Complexes and Câ^'N Coupling Reaction with Alkyne. Journal of the American Chemical Society, 2004, 126, 10802-10803.	13.7	40
10	A Bimetallic Ru₂Pt Complex Containing a Trigonal-Planar Î¼₃-Carbido Ligand: Formation, Structure, and Reactivity Relevant to the Fischerâ^'Tropsch Process. Journal of the American Chemical Society, 2009, 131, 18026-18027.	13.7	40
11	Ruthenium-Sulfonamide-Catalyzed Direct Dehydrative Condensation of Benzylic Câ€“H Bonds with Aromatic Aldehydes. Journal of the American Chemical Society, 2016, 138, 14836-14839.	13.7	40
12	Nickel-Catalyzed [3+1+1] Cycloaddition Reactions of Alkenyl Fischer Carbene Complexes with Methylenecyclopropanes. Organic Letters, 2006, 8, 4011-4014.	4.6	38
13	Experimental and theoretical studies of Siâ€“Cl and Geâ€“Cl Ïƒ-bond activation reactions by iridium-hydride. Dalton Transactions, 2016, 45, 7570-7580.	3.3	34
14	Transition-Metal-Mediated Germaniumâ€“Fluorine Activation: Inverse Electron Flow in Ïƒ-Bond Metathesis. Organometallics, 2016, 35, 713-719.	2.3	34
15	Diruthenium Carbido Complexes as N-Heterocyclic Carbene Like C-Donor Ligands to Group 11 Metals. Organometallics, 2017, 36, 3686-3691.	2.3	28
16	Synthesis and Reactivity of a Dithiolate-Bridged Ruthenium–Rhodium Heterobimetallic Dihydride Complex. Organometallics, 2006, 25, 982-988.	2.3	27
17	Synthesis and Reactivity of Coordinatively Unsaturated Dinuclear Ruthenium Bridging Imido Complexes. Organometallics, 2011, 30, 2160-2172.	2.3	27
18	Nucleophile-Catalyzed, Facile, and Highly Selective Câ€“H Activation of Fluoroform with Pd(II). Journal of the American Chemical Society, 2013, 135, 16837-16840.	13.7	26

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19	Divalent Dirhodium Imido Complexes: Formation, Structure, and Alkyne Cycloaddition Reactivity. Journal of the American Chemical Society, 2008, 130, 8904-8905.	13.7	25
20	Synthesis and Structures of 1,1â€˜-Ferrocenedithiolato-Bridged Di- and Trinuclear Ruthenium Complexes. Organometallics, 2000, 19, 3249-3252.	2.3	24
21	Dinuclear Ruthenium(II) Î²2-Diamido/Î·6-Naphthalene Complexes Featuring a Coordinatively Unsaturated yet Highly Ï€-Basic (Î·5-C5Me5)Ru Diamide Fragment. Organometallics, 2005, 24, 801-804.	2.3	24
22	Diiron Amidoâ^'Imido Complex [(Cp*Fe)2(Î¼2-NHPh)(Î¼2-NPh)]:Â Synthesis and a Net Hydrogen Atom Abstraction Reaction To Form a Bis(imido) Complex. Inorganic Chemistry, 2006, 45, 4871-4873.	4.0	22
23	A Dinuclear Ruthenium(II) Chelating Amido Complex:â€‰ Synthesis, Characterization, and Coupling Reaction with Carbon Monoxide. Organometallics, 2004, 23, 3587-3589.	2.3	20
24	Pâ^'H Bond Addition to a Dinuclear Ruthenium Imido Complex: Synthesis and Reactivity of an Amido Phosphido Complex. Organometallics, 2008, 27, 1780-1785.	2.3	19
25	Parent Cyclopentadienyl Ruthenium(II) Chloride Synthon: Derivatization to CpRu Amido, Imido, and Oxo Complexes. Organometallics, 2019, 38, 4298-4306.	2.3	19
26	Recent topics on catalytic transformations of aromatic molecules via Î· 6 -arene transition metal complexes. Tetrahedron Letters, 2018, 59, 697-703.	1.4	18
27	Synthesis of Ruâ€“Pt and Ruâ€“Pd mixed-metal imido clusters from a diruthenium imido-methylene scaffold [(Cp*Ru)2(Âµ2-NPh)(Âµ2-CH2)]. Chemical Communications, 2006, , 1328.	4.1	17
28	Development of photofunctional materials using TTF derivatives containing a 1,3-benzothiazole ring. Physica B: Condensed Matter, 2010, 405, S15-S18.	2.7	15
29	Synthesis and Nâ€“H Reductive Elimination Study of Dinuclear Ruthenium Imido Dihydride Complexes. Journal of the American Chemical Society, 2012, 134, 17027-17035.	13.7	15
30	Induction of one-handed helical oligo(p-benzamide)s by domino effect based on planar-axial-helical chirality relay. Chemical Communications, 2009, , 1201.	4.1	13
31	Synthesis and Structures ofp-tert-Butyltetrathiacalix[4]arene-dihydrides of Mo(IV) and W(IV). Chemistry Letters, 2002, 31, 6-7.	1.3	12
32	Tiâ€“Mo heterobimetallic thiacalix[4]arene complex containing an unusual Î±-agostic Î¼2-Î·5:Î·2-cyclopentadienyl ligand. Chemical Communications, 2004, , 838-839.	4.1	12
33	Linear Hydrocarbon Chain Growth from a Molecular Diruthenium Carbide Platform. Journal of the American Chemical Society, 2021, 143, 16105-16112.	13.7	12
34	Dinuclear ruthenium(II) catecholato and 2,3-naphthalenediolato complexes featuring Î²2-diaryloxo/Î·6-arene coordination mode. Inorganica Chimica Acta, 2006, 359, 912-916.	2.4	11
35	Bis(bipyridine) ruthenium(ii) bis(phosphido) metalloligand: synthesis of heterometallic complexes and application to catalytic (E)-selective alkyne semi-hydrogenation. Dalton Transactions, 2019, 48, 1161-1165.	3.3	11
36	New fluorene-substituted TTF derivatives as photofunctional materials. Physica B: Condensed Matter, 2010, 405, S12-S14.	2.7	8

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37	Synthesis and reactivity of dinuclear Cp*Ru tert-butylamido and cyclometallated Bis(trimethylsilyl)amido complexes. Journal of Organometallic Chemistry, 2015, 797, 60-66.	1.8	8
38	Tinâ€“Ruthenium Cooperative Catalyst for Disproportionation of Formic Acid to Methanol. ACS Catalysis, 2021, 11, 7460-7466.	11.2	8
39	Metal-ligand cooperative activation of element-hydrogen bonds (elementÂ=ÂC, N, O, Cl, B) on a dinuclear ruthenium bridging imido complex. Journal of Organometallic Chemistry, 2016, 812, 158-166.	1.8	6
40	Aminolysis of [Cp*Ru(Î¼-OEt)] 2 (Cp*Â=ÂÎ· 5 -C 5 Me 5) with sulfonamides: Synthesis of neutral, zwitterionic, and anionic Cp*Ru terminal sulfonamido complexes. Journal of Organometallic Chemistry, 2016, 808, 97-103.	1.8	6
41	Dinuclear Cp*Co Amido and Alkoxo Complexes: Synthesis, Structures, and Reactivity. Organometallics, 2011, 30, 1013-1020.	2.3	4
42	Anionic Trinuclear Iridium(I) Oxo Complex: Synthesis and Reactivity as a Metal-Centered Ïƒ-Donor Ligand to Gold(I) and Silver(I). Organometallics, 2018, 37, 1591-1597.	2.3	2
43	Syntheses of organocatalysts with one-handed helix and their application to the kinetic resolution of second alcohol. Research on Chemical Intermediates, 2009, 35, 931-937.	2.7	1
44	Metalâ€“metal multiple bond formation induced by Ïƒ-acceptor Lewis acid ligands. Chemical Communications, 2021, 57, 923-926.	4.1	1
45	Linear Carbon Chain Growth Reactions of Ruthenium Carbide Complexes. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2021, 79, 1136-1143.	0.1	0