Akiko Inagaki

List of Publications by Year
in descending order

73	2,052	218677	265206
papers	citations	26 h-index	42 g-index

76	76	76	1821
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of Metal Complexes to Utilize Visible-Light Energy into Molecular Transformation. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2022, 80, 489-497.	0.1	0
2	Syntheses and structure of dinuclear metal complexes containing naphthyl-Ir bichromophore. Dalton Transactions, 2021, 50, 12716-12722.	3.3	5
3	Photocatalytic degradation of organic dyes and phenol by iron-silicate glass prepared by the solâ€“gel method. New Journal of Chemistry, 2021, 45, 19019-19031.	2.8	8
4	Light-Assisted Catalytic Hydrogenation of Carbon Dioxide at a Low Pressure by a Dinuclear Iridium Polyhydride Complex. Organometallics, 2021, 40, 98-101.	2.3	5
5	Rapid Photoracemization of Chiral Alkyl Aryl Sulfoxides. Journal of Organic Chemistry, 2021, 86, 17249-17256.	3.2	4
6	Cuâ€“Pd Dinuclear Complexes with Earth-Abundant Cu Photosensitizer: Synthesis and Photopolymerization. Organometallics, 2020, 39, 2464-2469.	2.3	9
7	On-demand hydrogen production from formic acid by light-active dinuclear iridium catalysts. Chemical Communications, 2020, 56, 4519-4522.	4.1	11
8	Synthesis and Photocatalytic Activities of Dinuclear Iridium Polyhydride Complexes Bearing BINAP Ligands. Organometallics, 2019, 38, 2408-2411.	2.3	2
9	Light-driven catalytic hydrogenation of carbon dioxide at low-pressure by a trinuclear iridium polyhydride complex. Chemical Communications, 2019, 55, 5087-5090.	4.1	8
10	Effect of ring size on the properties of Î¼3-Cycloalkyne complexes: Synthesis of triruthenium complexes containing a perpendicularly coordinated Î¼3-Allenyl ligand. Journal of Organometallic Chemistry, 2019, 885, 7-20.	1.8	3
11	Nonradical Light-Controlled Polymerization of Styrene and Vinyl Ethers Catalyzed by an Iridiumâ€“Palladium Photocatalyst. Organometallics, 2018, 37, 359-366.	2.3	24
12	Synthesis of di- and trinuclear iridium polyhydride complexes surrounded by light-absorbing ligands. Dalton Transactions, 2018, 47, 12046-12050.	3.3	7
13	Synthesis of Mono-, Di-, and Trinuclear Rhodium Diphosphine Complexes Containing Light-Harvesting Fluorene Backbones. Inorganic Chemistry, 2017, 56, 1027-1030.	4.0	12
14	Substituent Effect of the Bridging Ligand in the Trinuclear Ru Complexes on Photocatalytic Oxygenation of a Sulfide and Alkenes. Inorganic Chemistry, 2017, 56, 12996-13006.	4.0	8
15	One-pot Synthesis of End-functionalized Conjugated Polymers by Combined Acyclic Diene Metathesis (ADMET) Polymerization Using Molybdenum Catalyst with Wittig-type Coupling. Journal of the Japan Petroleum Institute, 2016, 59, 197-203.	0.6	9
16	Direct Observation of the Triplet Metal-Centered State in [Ru(bpy)₃]²⁺Using Time-Resolved Infrared Spectroscopy. ChemistrySelect, 2016, 1, 2802-2807.	1.5	41
17	Photocatalytic Oxygenation of Sulfide and Alkenes by Trinuclear Ruthenium Clusters. Inorganic Chemistry, 2016, 55, 3750-3758.	4.0	14
18	Synthesis and photocatalytic activity of a naphthyl-substituted photosensitizing BINAPâ€“palladium complex. Dalton Transactions, 2016, 45, 1331-1334.	3.3	12

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19	Synthesis of Wellâ€Defined Oligo(2,5â€dialkoxyâ€1,4â€phenylene vinylene)s with Chiral End Groups: Unique Helical Aggregations Induced by the Chiral Chain Ends. Chemistry - A European Journal, 2015, 21, 16764-16768.	3.3	8
20	Time-Resolved Fluorescence Spectra in the End-Functionalized Conjugated Triblock Copolymers Consisting of Poly(fluorene vinylene) and Oligo(phenylene vinylene): Proposal of Dynamical Distortion in the Excited State. Macromolecules, 2015, 48, 6233-6240.	4.8	17
21	Câ€“C Bond Forming Reductive Elimination from Diarylplatinum Complexes Driven by Visible-Light-Mediated Photoredox Reactions. Organometallics, 2015, 34, 4844-4853.	2.3	17
22	Precise one-pot synthesis of fully conjugated end-functionalized star polymers containing poly(fluorene-2,7-vinylene) (PFV) arms. Polymer Chemistry, 2015, 6, 380-388.	3.9	21
23	Synthesis of Wellâ€Defined Oligo(2,5â€dialkoxyâ€1,4â€phenylene vinylene)s by Combined Olefin Metathesis and Wittigâ€type Coupling: Effect of Conjugation Repeat Units and End Groups Toward Optical Properties. Macromolecular Chemistry and Physics, 2014, 215, 1973-1983.	2.2	12
24	Synthesis and Structural Analysis of (Imido)vanadium(V) Dichloride Complexes Containing Imidazolin-2-iminato- and Imidazolidin-2-iminato Ligands, and their Use as Catalyst Precursors for Ethylene (Co)polymerization. Inorganic Chemistry, 2014, 53, 607-623.	4.0	66
25	Synthesis of (Imido)vanadium(V) Complexes Containing 8-(2,6-Dimethylanilide)-5,6,7-trihydroquinoline Ligands: Highly Active Catalyst Precursors for Ethylene Dimerization. Organometallics, 2014, 33, 1053-1060.	2.3	28
26	Infrared Vibrational Spectroscopy of [Ru(bpy)₂(bpm)]²⁺ and [Ru(bpy)₃]²⁺ in the Excited Triplet State. Inorganic Chemistry, 2014, 53, 2481-2490.	4.0	39
27	Synthesis of trinuclear Pdâ€“Ruâ€“Pd porphyrin complexes with axially ligated Pd centers. Prominent metal-to-ligand charge transfer band inÂthe visible region. Journal of Organometallic Chemistry, 2014, 753, 48-54.	1.8	11
28	Synthesis of Highly Conjugated Dinuclear Ru Complexes Bridged by a Novel N2â€“N3 Ligand and Their Application in Photocatalytic Oxygenation of Sulfides. Chemistry Letters, 2014, 43, 290-292.	1.3	11
29	Organometallic Photocatalysis Promoted by Visible Light (Sunlight): Photo-redox Catalysis and Difunctional Dinuclear Catalyst System. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2014, 72, 538-547.	0.1	6
30	Synthesis, structural analysis of the hetero-bimetallic complexes MMe[(O-2,4-tBu2C6H2-6-CH2)2(Î¼2-O-2,4-tBu2C6H2-6-CH2)N][Me2Al(Î¼2-OiPr)] [M = Zr, Hf] and their use in catalysis for ethylene polymerisation. Dalton Transactions, 2013, 42, 11632.	3.3	14
31	Precise Synthesis of Poly(fluorene vinylene)s Capped with Chromophores: Efficient Fluorescent Polymers Modified by Conjugation Length and End-Groups. ACS Macro Letters, 2013, 2, 980-984.	4.8	30
32	Precise One-Pot Synthesis of End-Functionalized Conjugated Multi-Block Copolymers via Combined Olefin Metathesis and Wittig-type Coupling. Macromolecules, 2013, 46, 9563-9574.	4.8	29
33	Manganese(II) Semiquinonato and Manganese(III) Catecholato Complexes with Tridentate Ligand: Modeling the Substrateâ€Binding State of Manganeseâ€Dependent Catechol Dioxygenase and Reactivity with Molecular Oxygen. Chemistry - an Asian Journal, 2013, 8, 1115-1119.	3.3	9
34	Syntheses, photophysical properties, and reactivities of novel bichromophoric Pd complexes composed of Ru(ii)â€“polypyridyl and naphthyl moieties. Dalton Transactions, 2013, 42, 6989.	3.3	26
35	Revelation of the Photoactive Species in the Photocatalytic Dimerization of Î±-Methylstyrene by a Dinuclear Rutheniumâ€“Palladium Complex. Inorganic Chemistry, 2013, 52, 8030-8039.	4.0	25
36	Enhanced Photocatalytic Activity of Î±-Methylstyrene Oligomerization through Effective Metal-to-Ligand Charge-Transfer Localization on the Bridging Ligand. Inorganic Chemistry, 2012, 51, 51-62.	4.0	56

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37	Photocatalytic Styrene Polymerization by Novel Bichromophoric Pd Catalyst Having Long Excited-state Lifetime. Chemistry Letters, 2010, 39, 915-917.	1.3	20
38	Photochromic Organometallics with a Dithienylethene (DTE) Bridge, [Yï£¿Cï£½Cï£¿DTEï£¿Cï£½Cï£¿Y] (Y={MCp*(dppe)}): Photoswitchable Molecular Wire (M=Fe) versus Dual Photoâ€•and Electrochromism (M=Ru). Chemistry - A European Journal, 2010, 16, 4762-4776.	3.3	99
39	Visible-light promoted bimetallic catalysis. Coordination Chemistry Reviews, 2010, 254, 1220-1239.	18.8	195
40	Syntheses and photophysical properties of visible-light-absorbing Ru(II) polypyridyl complexes possessing (pyridylpyrazolyl)metal tethers. Journal of Organometallic Chemistry, 2009, 694, 3125-3133.	1.8	14
41	Synthesis of Pd complexes directly linked to the light-absorbing [(bpy)3Ru]2+ unit and their photochemical reactions toward styrenes. Dalton Transactions, 2008, , 6709.	3.3	28
42	Syntheses of novel di- and trinucleating ligands having a triethylbenzene core with N,N-bidentate tethers: their complexation toward Pd and Rh organometallic fragments. Dalton Transactions, 2008, , 1888.	3.3	5
43	Synthesis of Pd Complexes Combined with Photosensitizing of a Ruthenium(II) Polypyridyl Moiety through a Series of Substituted Bipyrimidine Bridges. Substituent Effect of the Bridging Ligand on the Photocatalytic Dimerization of Î±-Methylstyrene. Inorganic Chemistry, 2007, 46, 2432-2445.	4.0	57
44	Redox-active polyiron complexes with tetra(ethynylphenyl)ethene and [2,2]paracyclophane spacers containing ethynylphenyl units: extension to higher dimensional molecular wire. Dalton Transactions, 2007, , 928.	3.3	33
45	Photochromic Electrochemical Behavior of Organoruthenium Derivatives of Photochromic Dithienylethene (DTE):â€‰ DTEâˆ'(RRuL_m_n(RRuL_m=) Tj ETQq1 1 0.784	2.3	38
46	2007, 26, 5030-5041. A photoswitchable molecular wire with the dithienylethene (DTE) linker, (dppe)(Î·5-C5Me5)Feâ€“Cî€,Câ€“DTEâ€“Cî€,Câ€“Fe(Î·5-C5Me5)(dppe). Chemical Communications, 2007, , 1169-1171.	4.1	98
47	Câˆ'C Coupling of a Permetalated Ethene, (Î¼4-CC)Ru2(FeCp*)2(CO)10, with Alkynes, and Isolation of a Labile MeCN Adduct, (Î¼4-CC)Ru2(FeCp*)2(CO)8(NCMe)2. Organometallics, 2007, 26, 439-444.	2.3	9
48	Ruthenium and chromium complexes bearing pH-indicators as the Î·6-arene ligand: Synthesis, characterization, and protonation behavior. Journal of Organometallic Chemistry, 2007, 692, 93-110.	1.8	9
49	Oxidation-Induced Rearrangement from a nido- to a closo-Ruthenacyclopentadiene. Organometallics, 2006, 25, 5511-5514.	2.3	12
50	A new method for the conversion of allyl alcohol into Ï€-allyl species promoted by nucleophilic interaction with a CO ligand. Chemical Communications, 2006, , 1962-1964.	4.1	19
51	Synthesis of a Library of Iridium-Containing Dinuclear Complexes with Bridging PNNN and PNNP Ligands (BL), [LM(Î¼-BL)Mâ€˜Lâ€˜]BF4. 1. Specific Synthesis of Isomeric Heterodinuclear Complexes with Switched Metal Arrangements. Organometallics, 2006, 25, 1344-1358.	2.3	26
52	Synthesis of a Library of Iridium-Containing Dinuclear Complexes with Bridging PNNN and PNNP Ligands (BL), [LM(Î¼-BL)Mâ€˜Lâ€˜]BF4. 2. Preparation, Basic Coordination Properties, and Reactivity of the Carbonyl Complexes. Organometallics, 2006, 25, 1359-1367.	2.3	30
53	Synthesis of a Series of Diiron Complexes Based on a Tetraethynylethene Skeleton and Related C6-Enediyne Spacers, (dppe)Cp*Feâˆ'Câ‹®CC(R)C(R)Câ‹®Câˆ'FeCp*(dppe):â€‰ Tunable Molecular Wires. Organometallics, 2006, 25, 5261-5275.	2.3	45
54	Chelation-assisted Facile Câ€“N Bond Oxidative Addition of Spironaphthoxazines by Ru(Î·4-cycloocta-1,5-diene)(Î·6-naphthalene). Chemistry Letters, 2006, 35, 434-435.	1.3	20

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55	Synthesis, Structures, and Reactions of Coordinatively Unsaturated Trinuclear Ruthenium Polyhydrido Complexes, [{Ru(C5Me5)}3(Î¼-H)6](Y) (Y = BF4, CF3SO3, 1/2(SO4), C6H5CO2, CH3CO2, B(C6H5)4, Tj ETQq1 1 0.784	3.3	71
56	Highly selective photo-catalytic dimerization of Î±-methylstyrene by a novel palladium complex with photosensitizing ruthenium(ii) polypyridyl moiety. Chemical Communications, 2005, , 5468.	4.1	53
57	Polynuclear Rhodium Complexes with Dinucleating PNNP Ligand:â€‰ Dynamic and Diverse MÂ·Â·Â·M Interactions in [(Î¼-X)Rh2(PNNP)(CO)2]n+ and [(Î¼4-X)Rh4(PNNP)2(CO)4]n+ [X = H, O, Câ‹®Câ^'R, Râ^'Câ‹®Câ^'R, Câ‹®C, CHCH2, SMe2; n = 0, 1:â€‰ PNNP = 3,5-bis(diphenylphosphinomethyl)pyrazolato]. Organometallics, 2005, 24, 163-184.	2.3	35
58	Photochromic Behavior and Diastereomeric Isomerism in [(Î·6-spirobenzopyran)RuCp*]PF6. Organometallics, 2005, 24, 6382-6392.	2.3	18
59	Reductive Cleavage of the Nâ^'N Bond of Hydrazine Induced by a Cationic Trinuclear Ruthenium Hexahydride Complex, [(Cpâ€˜Ru)3(Î¼-H)6]X (Cpâ€˜ = Î·5-C5Me5; X = 1/2 SO4, BF4, PF6, BPh4) and Dihydrogen. Organometallics, 2004, 23, 4040-4046.	2.3	31
60	Selective synthesis of isomeric heterodinuclear complexes with switched metal arrangements via proton-induced reversible metal migration. Chemical Communications, 2004, , 2760.	4.1	18
61	Tetranuclear Complexes Based on a Dynamic Metalâ^'Metal Linkage, [(Î¼4-X)Rh4(CO)4(PNNP)2]n+(X/n=) Tj ETQq1 1 0.784314 rgBT	2.3	22
62	Theoretical studies on structures and reactivities of organocuprate(I) and organocopper(III) species. Journal of Computational Chemistry, 2003, 24, 1401-1409.	3.3	44
63	Thermal Skeletal Rearrangement of a nido-Ruthenacyclopentadiene Complex Involving Reversible Rupture and Formation of a Rutheniumâ^'Ruthenium Bond. Organometallics, 2003, 22, 2196-2198.	2.3	19
64	Bimetallic Reductive Câ^'C Coupling Reaction Induced by Chemical Oxidation:â€‰ Formation of a Î¼3-C3 Ring on a Triruthenium Cluster. Organometallics, 2003, 22, 1361-1363.	2.3	17
65	Versatile and Cooperative Reactivity of a Triruthenium Polyhydride Cluster. A Computational Study. Journal of the American Chemical Society, 2003, 125, 9910-9911.	13.7	25
66	Skeletal Rearrangement in the Trinuclearnido-Ruthenacyclopentadiene Complexes:Â Theoretical and Experimental Studies. Organometallics, 2003, 22, 1718-1727.	2.3	23
67	Î¼4-Dicarbyne complex with a dimetallacyclobutatriene core: A new binding mode of C2species. Chemical Communications, 2003, , 2984-2985.	4.1	12
68	A Novel Type of Carbonâ^'Carbon Double Bond Cleavage of 1,1-Disubstituted Alkenes on a Triruthenium Polyhydrido Cluster. Journal of the American Chemical Society, 2001, 123, 1762-1763.	13.7	84
69	Alkane activation on a multimetallic site. Pure and Applied Chemistry, 2001, 73, 315-318.	1.9	14
70	Intermolecular Activation ofn-Alkanes by a Trinuclear Ruthenium Pentahydride Complexâ€"Formation ofcloso-Ruthenacyclopentadiene Complexes. Angewandte Chemie - International Edition, 2000, 39, 404-406.	13.8	77
71	Regioselective Câ^'H Bond Activation of Alkanes by a Trinuclear Ruthenium Trihydride Complex Having a Î¼3-Sulfido Ligand. Journal of the American Chemical Society, 1999, 121, 7421-7422.	13.7	42
72	Activation of Acyclic and Cyclic Conjugated Dienes in Cooperation with the Three Metal Centers.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1999, 57, 935-944.	0.1	4

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73	Trinuclear Ruthenium Complex with a Face-Capping Benzene Ligand. Hapticity Change Induced by Two-Electron Redox Reaction. Journal of the American Chemical Society, 1997, 119, 625-626.	13.7	63