

Take-aki Koizumi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	C5Me5/ER-Ligated Samarium(II) Complexes with the Neutral σ -C5Me5-Ligand (ER = OAr, SAr, NRR ⁻ , or) Tj ETQq1 1 0.784314 Styrene and Ethylene. <i>Journal of the American Chemical Society</i> , 2000, 122, 10533-10543.	13.7	109
2	Ring-Opening Polymerization and Copolymerization of Lactones by Samarium(II) Aryloxy Complexes. <i>Macromolecules</i> , 1999, 32, 8245-8251.	4.8	108
3	Photochemical and Radiolytic Production of an Organic Hydride Donor with a Rull Complex Containing an NAD ⁺ Model Ligand. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4169-4172.	13.8	89
4	Lanthanide(II) Complexes Bearing Linked Cyclopentadienyl ⁺ Anilido Ligands: Synthesis, Structures, and One-Electron-Transfer and Ethylene Polymerization Reactions. <i>Organometallics</i> , 2001, 20, 3323-3328.	2.3	83
5	π -Conjugated Polyphenylenes with Diazaborole Side Chains Synthesized via 1,2-Phenylenediamine Polymer. <i>Macromolecules</i> , 2007, 40, 438-443.	4.8	67
6	Reversible Hydride Generation and Release from the Ligand of [Ru(pbn)(bpy) ₂](PF ₆) ₂ Driven by a pbn-Localized Redox Reaction. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 5891-5894.	13.8	64
7	Preparation of symmetric dibromides of 1,10-phenanthroline. <i>Canadian Journal of Chemistry</i> , 1997, 75, 1336-1339.	1.1	60
8	Synthesis, Structures, and Reactivity of the First Silylene-Linked Cyclopentadienyl-Phosphido Lanthanide Complexes. <i>Organometallics</i> , 2001, 20, 4565-4573.	2.3	59
9	Cis and Trans Isomers of Pt(SiHAr ₂) ₂ (PR ₃) ₂ (R = Me, Et) in the Solid State and in Solutions. <i>Organometallics</i> , 1999, 18, 1349-1352.	2.3	57
10	Synthesis of π -conjugated polymers bearing electronic and optical functionalities by organometallic polycondensations and their chemical properties. <i>Polymer</i> , 2007, 48, 5449-5472.	3.8	52
11	Aerobic oxidative dehydrogenation of benzylamines catalyzed by a cyclometalated ruthenium complex. <i>Tetrahedron Letters</i> , 2010, 51, 6457-6459.	1.4	49
12	Terpyridine-Analogous (N,N,C)-Tridentate Ligands: Synthesis, Structures, and Electrochemical Properties of Ruthenium(II) Complexes Bearing Tridentate Pyridinium and Pyridinylidene Ligands. <i>Organometallics</i> , 2003, 22, 970-975.	2.3	48
13	Structure and Chemical Properties of Chlorohydrido(diarylsilyl)rhodium(III) Complexes, mer-RhCl(H)(SiHAr ₂)(PMe ₃) ₃ . Thermally Induced Chloro Transfer from Rhodium to Silicon in the Complexes and Silane Exchange. <i>Organometallics</i> , 1997, 16, 3973-3980.	2.3	42
14	Transfer of Ketyls from Alkali Metals to Transition Metals. Formation and Diverse Reactivities of d-Block Transition-Metal Ketyls. <i>Organometallics</i> , 1999, 18, 1979-1985.	2.3	39
15	The Binuclear Iridium(II) Hydride Complex [(C ₅ Me ₅)Ir(η -H)] ₂ : A Novel Base for Reversible Deprotonation of Acidic Organic Compounds and a Unique Catalyst for C ⁺ C Bond Cleavage of Aromatic 1,2-Diols and Michael Additions. <i>Journal of the American Chemical Society</i> , 2001, 123, 5812-5813.	13.7	39
16	Nickel(II) complexes bearing a pincer ligand containing thioamide units: Comparison between SNS- and SCS-pincer ligands. <i>Inorganica Chimica Acta</i> , 2010, 363, 2474-2480.	2.4	38
17	Reduction of Ketimines by Samarium(II) Complexes. Isolation and Structural Characterization of Samarium(III) η -1-Amine/ η -1-Ketimido and η -2-Ketimine Complexes. <i>Organometallics</i> , 2003, 22, 3586-3592.	2.3	36
18	Highly Coplanar Polythiophenes with σ -CR Side Chains: Self-Assembly, Linear and Nonlinear Optical Properties, and Piezochromism. <i>Bulletin of the Chemical Society of Japan</i> , 2009, 82, 896-909.	3.2	36

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19	Synthesis, structure, and quaternization and complexation reactions of η^3 SCS pincer palladium complexes having 3,5-pyridinediyl unit. <i>Journal of Organometallic Chemistry</i> , 2008, 693, 1109-1116.	1.8	34
20	Electrochemical Hydrogenation of $[\text{Ru}(\text{bpy})_2(\text{napy-?N})(\text{CO})]^{2+}$: Inhibition of Reductive Ru-CO Bond Cleavage by a Ruthenacycle. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 2229-2232.	13.8	33
21	A New Series of Mono- and Dinuclear Hydrosilylrhodium(III) Complexes, $\text{RhCl}(\text{H})(\text{SiAr}_3)_2$ and $\text{RhL}(\text{SiAr}_3)\text{H}(\eta^4\text{-Cl})(\eta^4\text{-H})\text{RhH}(\text{SiAr}_3)\text{L}$ (L = P(i-Pr) ₃). Preparation by Oxidative Addition of HSiAr_3 and Molecular Structures of the Complexes. <i>Organometallics</i> , 1997, 16, 2063-2069.	2.3	31
22	Intermolecular Transfer of Triarylsilane from $\text{RhCl}(\text{H})(\text{SiAr}_3)[\text{P}(\text{i-Pr})_3]_2$ to a Platinum(0) Complex, Giving $\text{cis-PtH}(\text{SiAr}_3)(\text{PET}_3)_2$ (Ar = C ₆ H ₅ , C ₆ H ₄ F-p, C ₆ H ₄ Cl-p). <i>Organometallics</i> , 1997, 16, 6014-6016.	2.3	30
23	Synthesis, structures and electrochemical properties of ruthenium (II) complexes bearing bidentate 1,8-naphthyridine and terpyridine analogous (N,N,C)-tridentate ligands. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 4272-4279.	1.8	30
24	Reductive elimination of C ₆ F ₅ -C ₆ F ₅ in the reaction of bis(pentafluorophenyl)palladium(II) complexes with protic acids. <i>Dalton Transactions</i> , 2008, , 3949.	3.3	30
25	A Symmetrically Bridging Triarylsilyl Ligand in a Dinuclear Rhodium Complex: Synthesis and Structure of $[\text{LRh}(\text{H})(\eta^5\text{-Cl})(\eta^5\text{-SiAr}_2)(\eta^5\text{-SiAr}_3)\text{Rh}(\text{H})\text{L}]$ (Ar=Ph, p-FC ₆ H ₄ ; L=PiPr ₃). <i>Angewandte Chemie - International Edition</i> , 1998, 37, 349-351.	13.8	28
26	The catalytic activity of a cyclometalated ruthenium(III) complex for aerobic oxidative dehydrogenation of benzylamines. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1301-1304.	1.8	28
27	Stabilization and Destabilization of the Ru-CO Bond During the 2,2'-Bipyridin-6-onato (bpyO)-Localized Redox Reaction of $[\text{Ru}(\text{terpy})(\text{bpyO})(\text{CO})](\text{PF}_6)$. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 285-293.	2.0	27
28	Metal Complexes of π -Conjugated Polymers. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2009, 19, 3-11.	3.7	27
29	Deprotonation/protonation of coordinated secondary thioamide units of pincer ruthenium complexes: Modulation of voltammetric and spectroscopic characterization of the pincer complexes. <i>Dalton Transactions</i> , 2011, 40, 8879.	3.3	27
30	Electrochemical and Photochemical Behavior of a Ruthenium(II) Complex Bearing Two Redox Sites as a Model for the NAD ⁺ /NADH Redox Couple. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 7112-7115.	13.8	25
31	Synthesis, Structures and Fluxional Behavior of Ruthenium(II) Complexes Bearing a Bidentate 1,8-Naphthyridine Ligand. <i>Bulletin of the Chemical Society of Japan</i> , 2003, 76, 1969-1975.	3.2	24
32	Synthesis and electrochemical properties of bis(bipyridine)ruthenium(II) complexes bearing pyridinyl- and pyridinylidene ligands induced by cyclometalation of N ⁺ -methylated bipyridinium analogs. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 1258-1264.	1.8	24
33	Reactions of Methoxyallene and of Phenylallene with $\text{RhH}(\text{CO})(\text{PPh}_3)_3$. Insertion of a C-C Bond into an Rh-H Bond, Giving (π -Allyl)rhodium(I) Complexes. <i>Organometallics</i> , 1995, 14, 4962-4965.	2.3	23
34	Aerobic oxidative dehydrogenation of benzyl alcohols to benzaldehydes by using a cyclometalated ruthenium catalyst. <i>Tetrahedron Letters</i> , 2012, 53, 3573-3576.	1.4	23
35	Rhodium(I) Complexes with π -Coordinated Arylallene. Structures in the Solid State and in Solution and Reaction with Arylallene To Give Rhodacyclopentane. <i>Organometallics</i> , 1998, 17, 2037-2045.	2.3	22
36	New π -conjugated polymers containing oxazole in the main chain: Optical and electrochemical properties. <i>Polymer</i> , 2007, 48, 2331-2337.	3.8	21

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37	Isomers of Chloro(triarylsilyl)hydridorhodium(III) Complexes, mer-RhCl(H)(SiAr ₃)(PMe ₃) ₃ . Relevance of Their Structures to Reductive Elimination of ClSiAr ₃ . <i>Organometallics</i> , 1998, 17, 1868-1872.	2.3	20
38	Selective Formation of Inter- and Intramolecular A-D- π - π Stacking: Solid-State Structures of Bis(pyridiniopropyl)benzenes. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 4528-4532.	2.4	20
39	Aerobic Oxidative Dehydrogenation of α -Substituted Imidazolines Promoted by a Cyclometalated Ruthenium Catalyst. <i>ChemCatChem</i> , 2010, 2, 58-60.	3.7	20
40	Synthesis of Bis(phenazasiline) Compounds and Their Application for TFT as a Model of Phenazasiline-Containing Polymers. <i>Bulletin of the Chemical Society of Japan</i> , 2010, 83, 1282-1284.	3.2	18
41	Ligand Modification of Cyclometalated Ruthenium Complexes in the Aerobic Oxidative Dehydrogenation of Imidazolines. <i>ACS Catalysis</i> , 2013, 3, 812-816.	11.2	18
42	Si-H and Si-C Bond Activation of a Triorganosilane Promoted by [RhCl{P(i-Pr) ₃ } ₂]. Synthesis and Structure of a Dinuclear Rh(IV) Complex with η^4 -Silylene Ligands. <i>Bulletin of the Chemical Society of Japan</i> , 1997, 70, 189-195.	3.2	17
43	Thermal Si-C Bond Cleavage of LRhH(SiAr ₃)(η^4 -H)(η^4 -Cl)RhH(SiAr ₃)L (Ar = C ₆ H ₅ , C ₆ H ₄ F-p; L = P(i-Pr) ₃) To Give LRhH(η^4 -SiAr ₃)(η^4 -SiAr ₂)(η^4 -Cl)RhHL Containing Symmetrically Bridging Triarylsilyl and Diarylsilylene Ligands. <i>Organometallics</i> , 1998, 17, 5721-5727.	2.3	16
44	Synthesis and crystal structures of mono- and dinuclear silver(I) complexes bearing 1,8-naphthyridine ligand. <i>Inorganica Chimica Acta</i> , 2004, 357, 3666-3672.	2.4	16
45	Aerobic oxidative dehydrogenation of coordinated imidazoline units of pincer ruthenium complex. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 5495-5500.	1.8	16
46	Use of Bis(2,2,6,6-tetramethylpiperidin-1-yl)trisulfide as a Dynamic Covalent Bond for Thermally Healable Cross-Linked Polymer Networks. <i>ACS Applied Polymer Materials</i> , 2020, 2, 4054-4061.	4.4	16
47	Utilization of Industrially Available 2,3-Dichloro-1,3-butadiene for Direct Synthesis of 2,3-Diaryl-1,3-butadienes. <i>Bulletin of the Chemical Society of Japan</i> , 2006, 79, 498-500.	3.2	12
48	Palladium(II) complexes bearing the terpyridine-type tridentate ligand with benzo[b]-1,5-naphthyridin-2-yl groups. <i>Inorganica Chimica Acta</i> , 2007, 360, 3075-3082.	2.4	12
49	Changes in redox potential of a nickel-pincer complex bearing reactive secondary thioamide units: Changes caused by deprotonation/protonation reactions on addition of NEt ₃ and DBU. <i>Inorganic Chemistry Communication</i> , 2011, 14, 836-838.	3.9	11
50	Preparation and Electrochemical Behavior of N-Substituted Phenothiazine Oxide. <i>Heterocycles</i> , 2016, 92, 1441.	0.7	11
51	Synthesis, chemical- and electrochemical properties of ruthenium(II) complexes bearing 2,6-bis(2-naphthyridyl)pyridine. <i>Inorganica Chimica Acta</i> , 2005, 358, 1999-2004.	2.4	8
52	Anion-dependent selective formation of intermolecular non-covalent bonds. <i>Journal of Molecular Structure</i> , 2007, 829, 168-175.	3.6	8
53	Preparation of Soluble Polypyrrole with -C ₆ H ₄ -hexyl Side Chains at the N-Position and Its Self-assembling Behavior. <i>Polymer Journal</i> , 2007, 39, 1202-1206.	2.7	8
54	Preparation of Head-to-Head Type Substituted Polyacetylenes by Organometallic Polycondensation. <i>Macromolecules</i> , 2009, 42, 3207-3210.	4.8	8

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55	p-Quinquephenyl diamine, C ₆ H ₅ -p-C ₆ H ₄ -p-C ₆ H ₂ (2,3-NH ₂)-p-C ₆ H ₄ -C ₆ H ₅ , and its corresponding diimine-Ru(II) complex: Crystal structure and electrochemical and optical properties. <i>Inorganica Chimica Acta</i> , 2008, 361, 2131-2138.	2.4	7
56	Synthesis and Chemical Properties of Poly(N-substituted diphenylamine-4,4'-diyl)s. <i>Polymer Journal</i> , 2009, 41, 810-815.	2.7	7
57	New rhodacyclopentane with phenylvinylidene substituents, mer-[Rh{CH ₂ C(=CHPh)C(=CHPh)} ₃]·3Tj·ETQq1·1·0.784314·rgBT/Overl. molecules to [RhCl(PMe ₃) ₃]. <i>Chemical Communications</i> , 1997, , 1313-1314.	4.1	6
58	Effect of bulky 2,6-bis(spirocyclohexyl)-substituted piperidine rings in bis(hindered amino)trisulfide on thermal healability of polymethacrylate networks. <i>Materials Advances</i> , 2021, 2, 7709-7714.	5.4	6
59	Synthesis and Chemical Properties of π -Conjugated Poly(9,10-dialkyl-9,10-dihydrophenanthrene-2,7-diyl) and a Related Polymer. <i>Chemistry Letters</i> , 2011, 40, 282-284.	1.3	5
60	Cyclometalated platinum(II) complexes bearing o-phenylenediamine derivatives: Synthesis and electrochemical behavior. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1232-1235.	1.8	5
61	Preparation and Comparison of Chemical Properties of Phenazasiline Monomer, Dimer, Trimer, and Polymer. <i>ChemistrySelect</i> , 2020, 5, 11961-11967.	1.5	5
62	Electrochemical and Photochemical Behavior of a Ruthenium(II) Complex Bearing Two Redox Sites as a Model for the NAD ⁺ /NADH Redox Couple. <i>Angewandte Chemie</i> , 2007, 119, 7242-7245.	2.0	4
63	Oxidative Dehydrogenation Promoted by Cyclometalated Ruthenium Complexes. <i>Bulletin of Japan Society of Coordination Chemistry</i> , 2010, 56, 14-23.	0.2	4
64	π -Conjugated Polymers Consisting of 9,10-Dihydrophenanthrene Units. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 2406-2416.	2.2	4
65	Synthesis, chemical properties, and electrochemical behavior of a Pt(II) complex bearing a benzenediamide-derived ligand. <i>Inorganic Chemistry Communication</i> , 2011, 14, 292-295.	3.9	4
66	Copolymers of pyrrole with N-alkynylpyrroles. <i>Synthetic Metals</i> , 2012, 162, 2406-2413.	3.9	4
67	Preparation of π -conjugated polymers consisting of 1-aminopyrrole and 4-amino-1,2,4-triazole units. <i>Reactive and Functional Polymers</i> , 2013, 73, 1180-1187.	4.1	4
68	Preparation of new polysulfones with -(CH ₂) ₃ -SO ₃ H side chains. <i>European Polymer Journal</i> , 2014, 55, 179-185.	5.4	4
69	Bimolecular fusion of [Pd ₃ (η^4 -CN-C ₆ H ₃ (Me) ₂ -2,6) ₃ (CN-C ₆ H ₃ (Me) ₂) ₃] induced by Ph ₂ GeH ₂ : formation of the redox-active Pd ₆ Ge ₂ complex. <i>Dalton Transactions</i> , 2019, 48, 7541-7545.	3.3	4
70	Preparation of dibromopyridines having -(CH ₂) ₃ -SO ₃ Na groups as monomers for new polypyridines. <i>Tetrahedron Letters</i> , 2012, 53, 5907-5910.	1.4	3
71	Structure and Properties of Lantern-Shaped Hexapalladium Complexes with Germylene and Thiolate Ligands [Pd ₆ (μ_2 -GePh ₂) ₂ (μ_3 -SC ₆ H ₄ -X) ₂](CN ₄) ₂ (X = NO ₂ , Cl, H, CH ₃). <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2253-2259.	3.1	3
72	Dibromides of BOC-Protected 1-Aminopyrrole and 4-Amino-1,2,4-triazole: Synthesis, X-Ray Molecular Structure, and NMR Behavior. <i>Heterocycles</i> , 2009, 78, 117.	0.7	3

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73	Digold(I) Thianthrenyl Complexes. Effect of Diphosphine Ligands on Molecular Structures in the Solid State and in Solution. ACS Omega, 2022, 7, 9594-9601.	3.5	3
74	1,4-Diiodobenzene with COO^-TEMPO (TEMPO = 2,2,6,6-tetramethylpiperidine-1-oxyl) substituents at 2,5-positions: synthesis and use as a monomer for new π -conjugated polymers having nitroxyl radicals in side chains. Polymers for Advanced Technologies, 2013, 24, 927-933.	3.2	2
75	$[\text{Ru}(\text{bpy})_2(\text{bqdiBr}_2)](\text{PF}_6)_2$ bearing a 3,6-dibromo-1,2-benzoquinone diimine ligand ($\text{bqdiBr}_2 = \text{Br-C}_6\text{H}_3$) Tj ETQq1 1 0.784314 rg acids. Inorganica Chimica Acta, 2014, 421, 427-432.	2.4	2
76	Preparation and chemical properties of π -conjugated poly(1,10-phenanthroline-3,8-diyl)s with crown ether subunits. Reactive and Functional Polymers, 2014, 82, 9-16.	4.1	2
77	Synthesis, structure, and electrochemical behavior of a new dinuclear Rh(III) complex bridged by a bpp^{\sim} ligand ($\text{bpp}^{\sim} = 3,5\text{-bis}(2\text{-pyridyl})\text{pyrazolate}$). Inorganic Chemistry Communication, 2016, 67, 25-28.	3.9	2
78	Electrochemical behavior of a Rh(pentamethylcyclopentadienyl) complex bearing an $\text{NAD}^{+}/\text{NADH}$ -functionalized ligand. Dalton Transactions, 2018, 47, 5207-5216.	3.3	2
79	Further investigations of the crystal-to-crystal phase transition of a [2]pseudorotaxane composed of ferrocene-terminated dialkylammonium and dibenzo[24]crown-8-ether. CrystEngComm, 2021, 23, 5944-5952.	2.6	2
80	Preparation and Electrochemical Behavior of Quinoxaline-Bridged Diphenylamines. ChemistrySelect, 2021, 6, 5441-5445.	1.5	2
81	Preparation of Cu(I) Complexes with N-Bonded or O-Bonded p-Cyanophenoxido Ligand and Their Structures in Solid State and in Solution. Chemistry Letters, 1997, 26, 325-326.	1.3	1
82	Synthesis of Inclusion Compounds of $\text{Br}^-\text{Th}^-\text{Py}^-\text{Br}$ and $(\text{RO})_2\text{B}^-\text{Th}^-\text{Py}^-\text{Br}$ (Th: Thiophene-2,5-diyl; Py: Tj ETQq0 0 0 rgBT /	3.2	1
83	Synthesis and characterization of new π -conjugated polymers containing 1,8-naphthyridine in the main chain: Role of the 1,8-naphthyridine unit in π -conjugated polymers. Journal of Polymer Science Part A, 2011, 49, 4204-4212.	2.3	1
84	Preparation of poly(2-pyridone-3,5-diyl)s with $(\text{CH}_2)_4\text{SO}_3\text{M}$ ($\text{M} = \text{H}$ or Na) side chains. Polymer, 2012, 53, 5995-5999.	3.8	1
85	Synthesis and Dynamic Behavior of an Anthryridine-Ligated Ruthenium Complex. Inorganic Chemistry, 2014, 53, 10788-10790.	4.0	1
86	Crystal structure of 1,13,14-triazadibenz[a,j]anthracene 1,1,2,2-tetrachloroethane monosolvate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 681-683.	0.5	0
87	Ferrocene-Containing Pseudorotaxanes in Crystals: Aromatic Interactions with Hammett Correlation. Molecules, 2022, 27, 1745.	3.8	0