

# Shigeki Kuwata

## List of Publications by Year in descending order

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127  
papers

3,554  
citations

147801

31  
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138  
docs citations

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times ranked

2569  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Synthesis and Reactivities of Cubane-Type Sulfido Clusters Containing Noble Metals. <i>Accounts of Chemical Research</i> , 2000, 33, 46-52.  | 15.6 | 248       |
| 2  | Hydrosulfido complexes of transition metals. <i>Coordination Chemistry Reviews</i> , 2001, 213, 211-305.   | 18.8 | 145       |
| 3  | Metal <sup>II</sup> -ligand bifunctional reactivity and catalysis of protic N-heterocyclic carbene and pyrazole complexes featuring $\eta^2$ -NH units. <i>Chemical Communications</i> , 2014, 50, 14290-14300.  | 4.1  | 145       |
| 4  | Complexes Bearing Protic N-Heterocyclic Carbene Ligands. <i>Chemical Reviews</i> , 2018, 118, 9642-9677.   | 47.7 | 138       |
| 5  | $\eta^2$ -Protic Pyrazole and N-Heterocyclic Carbene Complexes: Synthesis, Properties, and Metal <sup>II</sup> -Ligand Cooperative Bifunctional Catalysis. <i>Chemistry - A European Journal</i> , 2011, 17, 3542-3556.  | 3.3  | 128       |
| 6  | Isolation and Interconversion of Protic N-Heterocyclic Carbene and Imidazolyl Complexes: Application to Catalytic Dehydrative Condensation of <i>N</i> -(2-Pyridyl)benzimidazole and Allyl Alcohol. <i>Organometallics</i> , 2008, 27, 2176-2178.  | 2.3  | 122       |
| 7  | N-N Bond Cleavage of Hydrazines with a Multiproton-Responsive Pincer-Type Iron Complex. <i>Journal of the American Chemical Society</i> , 2013, 135, 6754-6757.  | 13.7 | 121       |
| 8  | Metal <sup>II</sup> -Pyrazole Bifunction in Half-Sandwich $\eta^5$ -N Chelate Iridium Complexes: Pyrazole <sup>II</sup> -Pyrazolato Interconversion and Application to Catalytic Intramolecular Hydroamination of Aminoalkene. <i>Chemistry - A European Journal</i> , 2010, 16, 766-770.  | 3.3  | 90        |
| 9  | H-H and N-H Bond Cleavage of Dihydrogen and Ammonia with a Bifunctional Parent Imido (NH)-Bridged Diridium Complex. <i>Journal of the American Chemical Society</i> , 2011, 133, 8880-8883.  | 13.7 | 70        |
| 10 | Catalytic N-N Bond Cleavage of Hydrazines at the Coordinatively Unsaturated Diruthenium Center in $[\text{Cp}^*\text{Ru}(\mu\text{-SR})_2\text{RuCp}^*]$ ( $\text{Cp}^* = \eta^5\text{-C}_5\text{Me}_5$ ; R = Pri, 2,6-Me <sub>2</sub> C <sub>6</sub> H <sub>3</sub> ) and Isolation of $\mu$ -Phenyldiazene Complexes $[\text{Cp}^*\text{Ru}(\mu\text{-PhN:NH})(\mu\text{-SR})_2\text{RuCp}^*]$ . <i>Inorganic Chemistry</i> , 1994, 33, 3619-3620. | 4.0  | 68        |
| 11 | Synthesis, Structures, and Reactivities of Pincer-Type Ruthenium Complexes Bearing Two Proton-Responsive Pyrazole Arms. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1417-1425.  | 3.3  | 64        |
| 12 | Synthesis of Heterobimetallic Fe <sup>II</sup> -M (M = Ni, Pd, Pt) Complexes Containing the 1,1'-Ferrocenedithiolato Ligand and Their Conversion to Trinuclear Complexes. <i>Inorganic Chemistry</i> , 1998, 37, 6428-6434.  | 4.0  | 59        |
| 13 | Catalytic Intramolecular Hydroamination with a Bifunctional Iridium Pyrazolato Complex: Substrate Scope and Mechanistic Elucidation. <i>Organometallics</i> , 2012, 31, 8444-8455.   | 2.3  | 56        |
| 14 | Quest for metal/NH bifunctional bioinspired catalysis in a dinuclear platform. <i>Dalton Transactions</i> , 2010, 39, 2984.  | 3.3  | 55        |
| 15 | Hydrogen- and Oxygen-Driven Interconversion between Imido-Bridged Dirhodium(III) and Amido-Bridged Dirhodium(II) Complexes. <i>Journal of the American Chemical Society</i> , 2009, 131, 5001-5009.  | 13.7 | 53        |
| 16 | Synthesis, structures, and reactivities of iron, cobalt, and manganese complexes bearing a pincer ligand with two protic pyrazole arms. <i>Inorganica Chimica Acta</i> , 2014, 413, 136-142.   | 2.4  | 52        |
| 17 | Structures and Reactivities of Diruthenium Dithiolene Complexes and Triruthenium Sulfido Clusters Derived from a Hydrosulfido-Bridged Diruthenium Complex. <i>Organometallics</i> , 1998, 17, 3429-3436.   | 2.3  | 48        |
| 18 | Electron-Deficient Early <sup>II</sup> -Late Heterobimetallic Sulfido Clusters. Unusual Reactivities of Ti <sub>2</sub> Ru <sub>2</sub> S <sub>4</sub> Cubane-Type Clusters with Four Cyclopentadienyl Coligands. <i>Journal of the American Chemical Society</i> , 1999, 121, 7837-7845.  | 13.7 | 44        |

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|----|---|------|-----------|
| 19 | Synthesis, Structures, and Transfer Hydrogenation Catalysis of Bifunctional Iridium Complexes Bearing a C <sup>∞</sup> N Chelate Oxime Ligand. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 504-511.  | 2.0  | 44        |
| 20 | Unsymmetrical Pincer-Type Ruthenium Complex Containing $\pi^2$ -Protic Pyrazole and N <sup>∞</sup> Heterocyclic Carbene Arms: Comparison of Brønsted Acidity of NH Groups in Second Coordination Sphere. <i>Chemistry - A European Journal</i> , 2014, 20, 9539-9542.   | 3.3  | 44        |
| 21 | A Bifunctional Iridium Catalyst Modified for Persistent Hydrogen Generation from Formic Acid: Understanding Deactivation via Cyclometalation of a 1,2-Diphenylethylenediamine Motif. <i>ACS Catalysis</i> , 2017, 7, 4479-4484.   | 11.2 | 44        |
| 22 | Reactions of a diruthenium complex bridged by disulfide and thiolate ligands with zero-valent noble metal complexes. Syntheses of mixed metal-sulfide-thiolate clusters containing trinuclear PtRu <sub>2</sub> and tetranuclear Pd <sub>2</sub> Ru <sub>2</sub> cores. <i>Journal of the American Chemical Society</i> , 1993, 115, 8499-8500. | 13.7 | 43        |
| 23 | Crown ether-tert-ammonium salt complex fixed as rotaxane and its derivation to nonionic rotaxane. <i>Tetrahedron Letters</i> , 2008, 49, 2397-2401.   | 1.4  | 41        |
| 24 | Intramolecular 1,3-Dipolar Cycloaddition of Nitrile $\langle i \rangle N \langle /i \rangle$ -Oxide Accompanied by Dearomatization. <i>Organic Letters</i> , 2012, 14, 1164-1167.   | 4.6  | 41        |
| 25 | Metal-Metal Bonding in Pentanuclear Bow-Tie Metal Sulfido Clusters. Synthetic and Structural Studies on the Cationic Pentanuclear Clusters [(Cp*Ir) <sub>2</sub> ( $\eta^3$ -S) <sub>2</sub> M( $\eta^3$ -S) <sub>2</sub> (IrCp*) <sub>2</sub> ] <sup>n+</sup> (M = Fe, Co, Ni; n = 1, 2). <i>Inorganic Chemistry</i> , 1998, 37, 4909-4920.    | 4.0  | 37        |
| 26 | Syntheses and Structures of Mixed-Metal Sulfido Clusters Containing Trimetallic M <sub>2</sub> M <sup>∞</sup> S <sub>4</sub> (M = Mo, W; M <sup>∞</sup> = Rh, Ir). <i>Inorganic Chemistry</i> , 1999, 38, 64-69.  | 4.0  | 37        |
| 27 | Hydrodefluorination of Fluoroarenes Using Hydrogen Transfer Catalysts with a Bifunctional Iridium/NH Moiety. <i>ACS Catalysis</i> , 2016, 6, 5181-5185.   | 11.2 | 36        |
| 28 | Syntheses and Structures of Mixed-Metal Sulfido Clusters Containing Incomplete Cubane-Type M <sub>2</sub> M <sup>∞</sup> S <sub>4</sub> and Cubane-Type M <sub>2</sub> M <sup>∞</sup> S <sub>4</sub> Cores (M = Mo, W; M <sup>∞</sup> = Rh, Ir). <i>Inorganic Chemistry</i> , 1999, 38, 64-69.  | 4.0  | 35        |
| 29 | Reductive Amination of Ketonic Compounds Catalyzed by Cp*Ir(III) Complexes Bearing a Picolinamidato Ligand. <i>Journal of Organic Chemistry</i> , 2019, 84, 10962-10977.  | 3.2  | 35        |
| 30 | Crossed Condensation of Two Different Hydrosulfido-Bridged Dinuclear Complexes: Structures and Reactivities of TiRu <sub>3</sub> S <sub>4</sub> Cubane-Type Sulfido Clusters. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 1128-1131.   | 13.8 | 34        |
| 31 | Syntheses, Structures, and Reactivities of Heterobimetallic Bridging Dinitrogen Complexes Containing Group 6 and Group 4 or 5 Transition Metals. <i>Organometallics</i> , 2001, 20, 188-198.  | 2.3  | 33        |
| 32 | Synthesis of TiRu <sub>2</sub> Heterobimetallic and TiRuM (M = Rh, Ir, Pd, Pt) Heterotrimetallic Sulfido Clusters from a Hydrosulfido-Bridged Titanium-Ruthenium Complex. <i>Inorganic Chemistry</i> , 2001, 40, 2034-2040.   | 4.0  | 31        |
| 33 | Synthesis, Structure, and Reactivities of the Five-Coordinate Molybdenum(0) Mono(acetylene) Complex [Mo(HC $\hat{\circ}$ CH)(dppe) <sub>2</sub> ]. <i>Organometallics</i> , 2001, 20, 13-15.  | 2.3  | 31        |
| 34 | Syntheses and Skeletal Transformations of NCNH- and NCN-Bridged Tetrairidium(III) Cages. <i>Journal of the American Chemical Society</i> , 2002, 124, 6528-6529.  | 13.7 | 31        |
| 35 | Aerobic oxidation with bifunctional molecular catalysts. <i>Pure and Applied Chemistry</i> , 2010, 82, 1471-1483.   | 1.9  | 31        |
| 36 | A Strategy toward Cyclic Topologies Based on the Dynamic Behavior of a Bis(hindered amino)disulfide Linker. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4269-4273.   | 13.8 | 31        |

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|----|--|------|-----------|
| 37 | Cyclodextrin-Based Size-Complementary [3]Rotaxanes: Selective Synthesis and Specific Dissociation. <i>Chemistry - A European Journal</i> , 2014, 20, 17132-17136.  | 3.3  | 29        |
| 38 | Accessible Bifunctional Oxy-Tethered Ruthenium(II) Catalysts for Asymmetric Transfer Hydrogenation. <i>Organic Letters</i> , 2018, 20, 5213-5218.  | 4.6  | 29        |
| 39 | Analysis of nitric acid decomposition of epoxy resin network structures for chemical recycling. <i>Polymer Degradation and Stability</i> , 2021, 186, 109537.  | 5.8  | 29        |
| 40 | Asymmetric nitrile-hydration with bifunctional ruthenium catalysts bearing chiral N-sulfonyldiamine ligands. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1169-1172.  | 1.8  | 28        |
| 41 | A Ti <sub>2</sub> Ru <sub>2</sub> Pd <sub>2</sub> Oxo <sup>2+</sup> Sulfido Cluster Synthesized by Linking Two Rationally Preorganized TiRuPdS <sub>2</sub> Heterotrimetallic Units with an Oxo Ligand: Its Reaction with an Alkyne. <i>Journal of the American Chemical Society</i> , 2001, 123, 3826-3827. | 13.7 | 27        |
| 42 | Structural Analysis and Inclusion Mechanism of Native and Permethylated $\beta$ -Cyclodextrin-Based Rotaxanes Containing Alkylene Axles. <i>Chemistry - A European Journal</i> , 2016, 22, 5335-5341.  | 3.3  | 27        |
| 43 | Synthesis, Structure, and Proton-Transfer Reactions of Brønsted Acidic Pyridylpyrazole Complexes of Ruthenium. <i>Bulletin of the Chemical Society of Japan</i> , 2011, 84, 251-258.   | 3.2  | 26        |
| 44 | Sulfur-Bridged Early-Late Heterobimetallics Synthesized by Incorporation of Titanium, Vanadium, and Molybdenum into Bis(hydrosulfido) Templates of Group 9 Metals. <i>Inorganic Chemistry</i> , 2002, 41, 4324-4330.   | 4.0  | 25        |
| 45 | Synthesis of (all- <i>rac</i> )- $\alpha$ -Tocopherol in Supercritical Carbon Dioxide: Tuning of the Product Selectivity in Batch and Continuous-Flow Reactors. <i>Advanced Synthesis and Catalysis</i> , 2005, 347, 220-224.  | 4.3  | 25        |
| 46 | A Sulfonylimido-Bridged Coordinatively Unsaturated Diiridium Complex: Intramolecular C-H Bond Activation Promoted by a Weak Acid. <i>Organometallics</i> , 2006, 25, 5847-5849.  | 2.3  | 25        |
| 47 | Protic N-Heterocyclic Carbene Versus Pyrazole: Rigorous Comparison of Proton- and Electron-Donating Abilities in a Pincer-Type Framework. <i>Chemistry - A European Journal</i> , 2016, 22, 16675-16683.   | 3.3  | 25        |
| 48 | Synthesis and Structures of NCN Pincer-Type Ruthenium and Iridium Complexes Bearing Protic Pyrazole Arms. <i>Organometallics</i> , 2017, 36, 1188-1195.  | 2.3  | 25        |
| 49 | Synthesis and Structures of 1,1'-Ferrocenedithiolato-Bridged Di- and Trinuclear Ruthenium Complexes. <i>Organometallics</i> , 2000, 19, 3249-3252.   | 2.3  | 24        |
| 50 | A Cyanamido-Bridged Diiridium Complex: A Reactive Building Block for Polynuclear Cyanamido Complexes. <i>Organometallics</i> , 2005, 24, 2251-2254.  | 2.3  | 24        |
| 51 | Protic NNN and NCN Pincer-Type Ruthenium Complexes Featuring (Trifluoromethyl)pyrazole Arms: Synthesis and Application to Catalytic Hydrogen Evolution from Formic Acid. <i>Chemistry - an Asian Journal</i> , 2018, 13, 73-80.  | 3.3  | 24        |
| 52 | Syntheses of mixed-metal M <sub>2</sub> Ti <sub>2</sub> S <sub>4</sub> cubane-type sulfido clusters (M = Ru, Rh, Ir, Cu) from a dinuclear organometallic thiotitanate anion. <i>Chemical Communications</i> , 1999, , 711-712.   | 4.1  | 23        |
| 53 | Syntheses, Structures, and Reactivities of Mono- and Dinuclear Iridium Thiolato Complexes Containing Nitrosyl Ligands. <i>Inorganic Chemistry</i> , 2000, 39, 791-798.   | 4.0  | 23        |
| 54 | Sulfido-Bridged Titanium-Iridium Heterobimetallic Complexes Derived from an Iridium Hydrosulfido Complex. <i>Organometallics</i> , 2000, 19, 4176-4178.  | 2.3  | 23        |

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|----|---|------|-----------|
| 55 | Synthesis of parent amido (NH <sub>2</sub> )-bridged dinuclear complexes of ruthenium and iridium by stepwise transfer hydrogenation of $\eta^5$ -azido complexes. <i>Dalton Transactions</i> , 2009, , 2912.   | 3.3  | 23        |
| 56 | C–F Bond Breaking through Aromatic Nucleophilic Substitution with a Hydroxo Ligand Mediated via Water Bifunctional Activation. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 557-568.  | 3.2  | 23        |
| 57 | Cleavage of N–H Bond of Ammonia via Metal–Ligand Cooperation Enables Rational Design of a Conceptually New Noyori–Ikariya Catalyst. <i>Journal of the American Chemical Society</i> , 2019, 141, 2661-2677.   | 13.7 | 23        |
| 58 | Electrophilic O-Methylation of a Terminal Nitrosyl Ligand Attained by an Early–Late Heterobimetallic Effect. <i>Organometallics</i> , 2006, 25, 560-562.  | 2.3  | 22        |
| 59 | Synthesis and Reactivity of Tris(7-azaindoyl)boratoruthenium Complex. Comparison with Poly(methimazolyl)borate Analogue. <i>Chemistry Letters</i> , 2006, 35, 1224-1225.  | 1.3  | 22        |
| 60 | New Approach to Recycling of Epoxy Resins Using Nitric Acid: Regeneration of Decomposed Products through Hydrogenation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 12520-12529.  | 6.7  | 21        |
| 61 | Acid–Base Bifunction and Umpolung of the Bridging Hydride in a Coordinatively Unsaturated Mesylimido- and Hydrido-Bridged Diiridium Complex. <i>Organometallics</i> , 2008, 27, 493-496.  | 2.3  | 19        |
| 62 | Exact helical polymer synthesis by a two-point-covalent-linking protocol between C <sub>2</sub> -chiral spirobifluorene and C <sub>2</sub> - or C <sub>s</sub> -symmetric anthraquinone monomers. <i>Chemical Communications</i> , 2015, 51, 10423-10426.   | 4.1  | 19        |
| 63 | Reactions of cationic dirhodium and diiridium complexes [Cp <sup>*</sup> M( $\eta^5$ -Cl)( $\eta^5$ -SPri)2MCp <sup>*</sup> ][OTf] (M=Rh, Ir) with terminal alkynes. Comparison with the diruthenium system. <i>Journal of Organometallic Chemistry</i> , 2000, 599, 221-231.   | 1.8  | 18        |
| 64 | One-pot Synthesis of Permethylated $\beta$ -CD-based Rotaxanes Having Alkylene Chain Axles and Their Structural Characteristics. <i>Chemistry Letters</i> , 2012, 41, 806-808.  | 1.3  | 18        |
| 65 | Synthesis and Cavity Size Effect of Pd-Containing Macrocyclic Catalyst for Efficient Intramolecular Hydroamination of Allylurethane. <i>Organic Letters</i> , 2015, 17, 1664-1667.  | 4.6  | 18        |
| 66 | Synthesis and Characterization of Cyclotetraphosphato Complexes of Rh(I), Ir(I), Ru(II), and Pd(II). <i>Inorganic Chemistry</i> , 2004, 43, 399-401.  | 4.0  | 17        |
| 67 | Poly(ethyleneimine)-Mediated Consecutive Hydrogenation of Carbon Dioxide to Methanol with Ru Catalysts. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2375-2380.   | 2.0  | 17        |
| 68 | Mono(sulfido)-bridged mixed-valence nitrosyl complex: protonation and oxidative addition of iodine across the Ir(II)–Ir(0) bond. Electronic supplementary information (ESI) available: experimental details and characterisation of the isomers of spy-6. See <a href="http://www.rsc.org/suppdata/cc/b2/b211021k/">http://www.rsc.org/suppdata/cc/b2/b211021k/</a> . <i>Chemical Communications</i> , 2003, , 510-511. | 4.1  | 16        |
| 69 | Hydrogenation of cyclohexene catalyzed by ruthenium nitrosyl complexes: Crystal structures of catalyst precursors [Cp <sup>*</sup> –Ru( $\eta^5$ -2-NO)2RuCp <sup>*</sup> –] and [Cp <sup>*</sup> –Ru(NO)( $\eta^5$ -2-C <sub>6</sub> H <sub>10</sub> )] (Cp <sup>*</sup> –= $\eta^5$ -C <sub>5</sub> (CH <sub>3</sub> ) <sub>5</sub> ). <i>Polyhedron</i> , 2007, 26, 4659-4663.                                       |      |           |
| 70 | Kinetically Stabilized Aliphatic Nitrile–Oxides as Click Agents: Synthesis, Structure, and Reactivity. <i>Chemistry Letters</i> , 2017, 46, 315-318.  | 1.3  | 16        |
| 71 | Synthesis, Structures, and Solution Behavior of Di- and Trinuclear Titanium(IV)–Cyclophosphato Complexes. <i>Inorganic Chemistry</i> , 2004, 43, 6127-6129.   | 4.0  | 15        |
| 72 | Synthesis and Structures of Ruthenium and Iron Complexes Bearing an Unsymmetrical Pincer-type Ligand with Protic Pyrazole and Tertiary Aminoalkyl Arms. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2015, 641, 2135-2139.   | 1.2  | 15        |

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|----|---|------|-----------|
| 73 | Protic Ruthenium Tris(pyrazol-3-ylmethyl)amine Complexes Featuring a Hydrogen-Bonding Network in the Second Coordination Sphere. <i>Inorganic Chemistry</i> , 2015, 54, 11584-11586.  | 4.0  | 15        |
| 74 | Macrocyclic Metal Complexes Bearing Rigid Polyaromatic Ligands: Synthesis and Catalytic Activity. <i>Chemistry - an Asian Journal</i> , 2020, 15, 356-359.  | 3.3  | 15        |
| 75 | Hydrosulfido-Bridged Titanium-Ruthenium Heterobimetallic Complex: Stepwise Construction of Ti <sub>2</sub> Ru <sub>2</sub> S <sub>4</sub> Cubane-Type Sulfido Cluster. <i>Chemistry Letters</i> , 1998, 27, 885-886.  | 1.3  | 14        |
| 76 | Metallo-supramolecular assembly of protic pincer-type complexes: encapsulation of dinitrogen and carbon disulfide into a multiproton-responsive diruthenium cage. <i>Chemical Communications</i> , 2019, 55, 1028-1031.   | 4.1  | 14        |
| 77 | Coordination behaviour of (diaryl disulfide)-bridged dinuclear thiairidaindan cores: ligand substitution by isocyanides, CO, hydrazines and hydroxylamine, and related reactions. <i>Dalton Transactions RSC</i> , 2002, , 2737.  | 2.3  | 13        |
| 78 | Synthesis, Structures, and Properties of Group 9 <sup>+</sup> and Group 10 <sup>+</sup> Group 6 Heterodinuclear Nitrosyl Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 4264-4274.   | 4.0  | 13        |
| 79 | Trapping of a Doubly Unsaturated Dinuclear Iridium(II) Sulfonylimido Complex with Phosphine and Lewis Acidic Group 11 and 12 Metals. <i>Organometallics</i> , 2012, 31, 1204-1207.  | 2.3  | 13        |
| 80 | Iron and ruthenium complexes having a pincer-type ligand with two protic amidepyrazole arms: Structures and catalytic application. <i>Polyhedron</i> , 2018, 143, 105-110.  | 2.2  | 13        |
| 81 | Nucleophilic Aromatic Substitution in Hydrodefluorination Exemplified by Hydridoiridium(III) Complexes with Fluorinated Phenylsulfonyl-1,2-diphenylethylenediamine Ligands. <i>Organometallics</i> , 2018, 37, 1958-1969.   | 2.3  | 13        |
| 82 | Synthesis, Structure, and Reversible Deprotonation of a Half-sandwich Iridium Complex Bearing a Chelating Oxime Ligand. <i>Chemistry Letters</i> , 2010, 39, 758-759.   | 1.3  | 12        |
| 83 | Structures and Reactivities of Palladium <sup>+</sup> Ruthenium Mixed-Metal Sulfido Clusters Derived from Disulfido- or Hydrosulfido-Bridged Diruthenium Complexes. <i>Organometallics</i> , 2002, 21, 5401-5407.   | 2.3  | 11        |
| 84 | Silylenediamido [(CH <sub>3</sub> ) <sub>2</sub> Si(NTs) <sub>2</sub> ] <sup>+</sup> ; Ts = p-CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> SO <sub>2</sub> ] complexes of iridium: synthesis, structures and facile Si <sup>+</sup> -N bond cleavage. <i>Dalton Transactions</i> , 2007, , 3606. | 3.3  | 11        |
| 85 | Full-colour solvatochromic fluorescence emitted from a semi-aromatic imide compound based on ESIPT and anion formation. <i>Materials Advances</i> , 2021, 2, 5629-5638.   | 5.4  | 11        |
| 86 | Syntheses of tetranuclear tungsten sulfide clusters with raft-type and tetrahedral core structures. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 1057.  | 2.0  | 10        |
| 87 | Reactions of iridium and ruthenium arenethiolato complexes with propylene sulfide. X-ray structures of 1-arylthio-2-propanethiolato-S, <sub>S</sub> <sup>2-</sup> iridium and ruthenium complexes. <i>Inorganic Chemistry Communication</i> , 1998, 1, 368-371.                                   | 3.9  | 10        |
| 88 | N-Methylhydroxylamido(1 <sup>+</sup> )- and Nitrosomethaneruthenium Complexes Derived from Nitrosyl Complexes: Reversible N-Protonation of an N-Coordinated Nitrosoalkane. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6406-6409.  | 13.8 | 10        |
| 89 | Sulfido-Bridged IrRh <sub>2</sub> Clusters Derived from (Hydrogensulfido)iridium Complexes and Dirhodium Fragment. Comparison between Hydrido <sup>+</sup> Hydrogensulfido and Bis(hydrogensulfido) Systems. <i>Chemistry Letters</i> , 2002, 31, 460-461.  | 1.3  | 9         |
| 90 | Syntheses, structures and solution behaviour of cyclotriphosphato complexes of Pd(II), Pt(II) and Pt(IV). <i>Dalton Transactions</i> , 2003, , 2666.  | 3.3  | 9         |



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|-----|---|-----|-----------|
| 91  | Stereoselective synthesis of chlorido- $\pi$ -phosphine ruthenium complexes bearing a pyrazole-based protic tripodal amine ligand. <i>Polyhedron</i> , 2017, 125, 173-178.  | 2.2 | 9         |
| 92  | Amidines as Effective Ancillary Ligands in Copper-catalyzed Hydrogenation of Carbon Dioxide. <i>Chemistry Letters</i> , 2020, 49, 252-254.  | 1.3 | 9         |
| 93  | Preparation and properties of diruthenium complexes with bridging disulfide and thiolate ligands [ $\text{Cp}^*-\text{Ru}(\text{S}_2)(\text{SR})_2\text{RuCp}^*-\text{}$ ] ( $\text{Cp}^* = 1\text{-}5\text{-C}_5\text{Me}_5$ , R = Pri and PhCH <sub>2</sub> ). <i>Journal of Organometallic Chemistry</i> , 1996, 513, 231-237. | 1.1 | 8         |
| 94  | Structural diversity of tetranuclear tungsten sulfide clusters: syntheses and crystal structures of clusters containing raft-type $\text{W}_4(\text{S})_2(\text{S})_4$ and tetrahedral $\text{W}_4(\text{S})_6$ cores. <i>Journal of the Chemical Society Dalton Transactions</i> , 1997, , 1753-1758.                            | 1.1 | 8         |
| 95  | Distinct Promotive Effects of 1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU) on Polymer Supports in Copper-catalyzed Hydrogenation of C=O Bonds. <i>ChemCatChem</i> , 2017, 9, 4501-4507.   | 3.7 | 8         |
| 96  | Mechanistic insight into organic and industrial transformations: general discussion. <i>Faraday Discussions</i> , 2019, 220, 282-316.   | 3.2 | 8         |
| 97  | Mechanistic Study on Catalytic Disproportionation of Hydrazine by a Protic Pincer-type Iron Complex through Proton-coupled Electron Transfer. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1472-1482.   | 2.0 | 8         |
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