

# Chi-Chiu Ko

## List of Publications by Year in descending order

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100  
papers

4,689  
citations

94269

37  
h-index

102304

66  
g-index

107  
all docs

107  
docs citations

107  
times ranked

4629  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Dual Phosphorescent Materials Based on Multiple Stimuli-Responsive Ir(III) Acyclic Carbene Complexes. <i>CCS Chemistry</i> , 2022, 4, 2354-2368.	4.6	7
2	Recyclable polymer-supported iridium-based photocatalysts for photoredox organic transformations. <i>Journal of Catalysis</i> , 2022, 407, 206-212.	3.1	10
3	Photocatalytic amidation and esterification with perfluoroalkyl iodide. <i>Catalysis Science and Technology</i> , 2021, 11, 556-562.	2.1	9
4	Study of Re(I) Carbene Complexes for Photocatalytic Reduction of Carbon Dioxide. <i>Energy &amp; Fuels</i> , 2021, 35, 19170-19177.	2.5	6
5	Photoredox Catalysis for the Fabrication of Water-Repellent Surfaces with Application for Oil/Water Separation. <i>Langmuir</i> , 2021, 37, 11592-11602.	1.6	0
6	Synthesis, structure and reactivity of iridium complexes containing a bis-cyclometalated tridentate C <sup>N</sup> C ligand. <i>Dalton Transactions</i> , 2021, 50, 8512-8523.	1.6	1
7	Carbonyl and Isocyanide Complexes of Rhenium. , 2021, , .		0
8	Luminescent monomeric and dimeric Ru(II) acyclic carbene complexes as selective sensors for NH <sub>3</sub> /amine vapor and humidity. <i>Chemical Science</i> , 2021, 12, 14103-14110.	3.7	9
9	Visible light-induced oxidative N-dealkylation of alkylamines by a luminescent osmium(VI) nitrido complex. <i>Chemical Science</i> , 2021, 12, 14494-14498.	3.7	12
10	Visible light photocatalytic cross-coupling and addition reactions of arylalkynes with perfluoroalkyl iodides. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 8686-8693.	1.5	20
11	Design and Synthesis of Luminescent Bis(isocyanoborato) Rhenate(I) Complexes as a Selective Sensor for Cyanide Anion. <i>Organometallics</i> , 2020, 39, 2135-2141.	1.1	15
12	Precious-metal free photocatalytic production of an NADH analogue using cobalt diimine-dioxime catalysts under both aqueous and organic conditions. <i>Chemical Communications</i> , 2020, 56, 7491-7494.	2.2	9
13	Tunable Luminescent Properties of Tricyanoosmium Nitrido Complexes Bearing a Chelating O <sup>N</sup> Ligand. <i>Inorganic Chemistry</i> , 2020, 59, 4406-4413.	1.9	16
14	Mechanochemical changes on cyclometalated Ir(III) acyclic carbene complexes – design and tuning of luminescent mechanochromic transition metal complexes. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 786-794.	3.0	16
15	Field-induced slow magnetic relaxation in low-spin S = 1/2 mononuclear osmium(V) complexes. <i>Dalton Transactions</i> , 2020, 49, 4084-4092.	1.6	16
16	The Important Role of Coordination Geometry on Photophysical Properties of Blue-Green Emitting Ruthenium(II) Diisocyanide Complexes Bearing 2-Benzoxazol-2-ylphenolate. <i>Inorganic Chemistry</i> , 2019, 58, 11372-11381.	1.9	6
17	Phorbiplatin, a Highly Potent Pt(IV) Antitumor Prodrug That Can Be Controllably Activated by Red Light. <i>CheM</i> , 2019, 5, 3151-3165.	5.8	107
18	Polynuclear Cu(I) and Ag(I) phosphine complexes containing multi-dentate polytopic ligands: syntheses, crystal structures and photoluminescence properties. <i>Dalton Transactions</i> , 2019, 48, 741-750.	1.6	14

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19	Excited State Dynamics of Isocyano Rhenium(I) Phenanthroline Complexes from Time-Resolved Spectroscopy. <i>ChemPhysChem</i> , 2019, 20, 1946-1953.	1.0	8
20	Electronic Communication in Luminescent Dicyanorhenate-Bridged Homotrinnuclear Rhenium(I) Complexes. <i>Inorganic Chemistry</i> , 2019, 58, 6696-6705.	1.9	6
21	Syntheses, crystal structures and magnetic properties of a series of luminescent lanthanide complexes containing neutral tetradentate phenanthroline-amide ligands. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 1442-1452.	3.0	20
22	Photochemical nitrogenation of alkanes and arenes by a strongly luminescent osmium(VI) nitrido complex. <i>Communications Chemistry</i> , 2019, 2, .	2.0	26
23	Polypyridyl chromium(III) complexes for non-volatile memory application: impact of the coordination sphere on memory device performance. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1445-1450.	2.7	17
24	Interface Engineering via Photopolymerization-Induced Phase Separation for Flexible UV-Responsive Phototransistors. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 7487-7496.	4.0	12
25	Coordination Compounds with Photochromic Ligands: Ready Tunability and Visible Light-Sensitized Photochromism. <i>Accounts of Chemical Research</i> , 2018, 51, 149-159.	7.6	197
26	Luminescent Charge-Neutral Copper(I) Phenanthroline Complexes with Isocyanoborate Ligand. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 897-903.	1.0	21
27	Efficient photocatalytic water reduction by a cobalt(II) tripodal iminopyridine complex. <i>Catalysis Science and Technology</i> , 2018, 8, 307-313.	2.1	11
28	Design of Luminescent Isocyano Rhenium(I) Complexes: Photophysics and Effects of the Ancillary Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 13963-13972.	1.9	14
29	Sensitive determination of lysozyme by using a luminescent and colorimetric probe based on the aggregation of gold nanoparticles induced by an anionic ruthenate(II) complex. <i>Mikrochimica Acta</i> , 2018, 185, 428.	2.5	8
30	Photoredox Catalysis of Cyclometalated Ir(III) Complex for the Conversion of Amines to Fluorinated Alkyl Amides. <i>Asian Journal of Organic Chemistry</i> , 2018, 7, 1587-1590.	1.3	8
31	Synthesis, structures and photophysical properties of Cu(I) phosphine complexes with various diimine ligands. <i>Polyhedron</i> , 2017, 127, 203-211.	1.0	16
32	Photocatalytic Conversion of CO <sub>2</sub> to CO by a Copper(II) Quaterpyridine Complex. <i>ChemSusChem</i> , 2017, 10, 4009-4013.	3.6	74
33	Self-assembled nanostructures of linear arylacetylenes and their aza-substituted analogues. <i>AIP Advances</i> , 2016, 6, 065210.	0.6	2
34	Synthesis and characterization of alkynylrhenium(I) tricarbonyl diimine complexes with fused thiophene and cyanoacrylic acid moiety. <i>Polyhedron</i> , 2016, 116, 144-152.	1.0	5
35	Luminescence behaviour of Pb <sup>2+</sup> -based cage-containing and channel-containing porous coordination polymers. <i>Dalton Transactions</i> , 2016, 45, 16134-16138.	1.6	12
36	Acid-Base Behaviour in the Absorption and Emission Spectra of Ruthenium(II) Complexes with Hydroxy-Substituted Bipyridine and Phenanthroline Ligands. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3641-3648.	1.0	13

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37	Luminescent Rhenium(I) Pyridyldiaminocarbene Complexes: Photophysics, Anion-Binding, and CO <sub>2</sub> -Capturing Properties. <i>Inorganic Chemistry</i> , 2016, 55, 7969-7979.	1.9	33
38	Luminescent Carbonyl Hydrido Ruthenium(II) Diimine Coordination Compounds: Structural, Photophysical, and Electrochemical Properties. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3892-3899.	1.0	11
39	Highly Efficient and Selective Photocatalytic CO <sub>2</sub> Reduction by Iron and Cobalt Quaterpyridine Complexes. <i>Journal of the American Chemical Society</i> , 2016, 138, 9413-9416.	6.6	276
40	Photochemical and electrochemical catalytic reduction of CO <sub>2</sub> with NHC-containing dicarbonyl rhenium( <i>η</i> ^2) bipyridine complexes. <i>Dalton Transactions</i> , 2016, 45, 14524-14529.	1.6	50
41	Synthesis and photophysical properties of isocyano Ruthenium(II) quinoline-8-thiolate complexes with visible-light and near-infrared emission. <i>Journal of Organometallic Chemistry</i> , 2016, 804, 101-107.	0.8	2
42	Synthesis, characterization, photophysics and electrochemical study of luminescent iridium( <i>η</i> ^3) complexes with isocyanoborate ligands. <i>Dalton Transactions</i> , 2015, 44, 15135-15144.	1.6	25
43	Strongly Phosphorescent Neutral Rhenium(I) Isocyanoborate Complexes: Synthesis, Characterization, and Photophysical, Electrochemical, and Computational Studies. <i>Chemistry - A European Journal</i> , 2015, 21, 2603-2612.	1.7	40
44	Cerium(IV)-Driven Water Oxidation Catalyzed by a Manganese(V)-Nitrido Complex. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 5246-5249.	7.2	74
45	Dual Homogeneous and Heterogeneous Pathways in Photo- and Electrocatalytic Hydrogen Evolution with Nickel(II) Catalysts Bearing Tetradentate Macrocyclic Ligands. <i>ACS Catalysis</i> , 2015, 5, 356-364.	5.5	75
46	WO <sub>3</sub> nanorods-modified carbon electrode for sustained electron uptake from <i>Shewanella oneidensis</i> MR-1 with suppressed biofilm formation. <i>Electrochimica Acta</i> , 2015, 152, 1-5.	2.6	26
47	Synthesis, photophysical and electrochemical study of diisocyano-bridged homodinuclear rhenium(I) diimine complexes. <i>Polyhedron</i> , 2015, 86, 17-23.	1.0	10
48	Neutral Luminescent Bis(bipyridyl) Osmium(II) Complexes with Improved Phosphorescent Properties. <i>Organometallics</i> , 2014, 33, 6771-6777.	1.1	28
49	Synthesis, Characterization and Photophysical Studies of Luminescent Dinuclear and Trinuclear Copper(I) Alkynyl Phosphines. <i>Journal of Cluster Science</i> , 2014, 25, 287-300.	1.7	15
50	A Simple Design for Strongly Emissive Sky-Blue Phosphorescent Neutral Rhenium Complexes: Synthesis, Photophysics, and Electroluminescent Devices. <i>Chemistry of Materials</i> , 2014, 26, 2544-2550.	3.2	63
51	Synthesis, Characterization, Self-Assembly, Gelation, Morphology and Computational Studies of Alkynylgold(III) Complexes of 2,6-Bis(benzimidazol-2-yl)pyridine Derivatives. <i>Chemistry - A European Journal</i> , 2014, 20, 9930-9939.	1.7	33
52	Synthesis, Characterization, and Photophysical Study of Luminescent Rhenium(I) Diimine Complexes with Various Types of N-Heterocyclic Carbene Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 3022-3031.	1.9	39
53	Luminescent Cyanoruthenate(II)-Diimine and Cyanoruthenium(II)-Diimine Complexes. <i>Chemistry - A European Journal</i> , 2013, 19, 15190-15198.	1.7	16
54	A new class of highly solvatochromic dicyano rhenate(i) diimine complexes - synthesis, photophysics and photocatalysis. <i>Chemical Communications</i> , 2013, 49, 2311.	2.2	30

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55	Osmium(vi) nitrido complexes bearing azole heterocycles: a new class of antitumor agents. <i>Chemical Science</i> , 2012, 3, 1582.	3.7	46
56	Synthesis, Structures, and Photophysical Properties of Ruthenium(II) Quinolinolato Complexes. <i>Organometallics</i> , 2012, 31, 7101-7108.	1.1	19
57	High Efficiency Nondoped Deep-Blue Organic Light Emitting Devices Based on Imidazole- $\pi$ -triphenylamine Derivatives. <i>Chemistry of Materials</i> , 2012, 24, 61-70.	3.2	313
58	Syntheses and photophysical studies of new classes of luminescent isocyano rhenium(I) diimine complexes. <i>Coordination Chemistry Reviews</i> , 2012, 256, 1546-1555.	9.5	49
59	Luminescent Rhenium(I) Phenanthroline Complexes with a Benzoxazol-2-ylidene Ligand: Synthesis, Characterization, and Photophysical Study. <i>Organometallics</i> , 2012, 31, 7074-7084.	1.1	38
60	A cobalt(ii) quaterpyridine complex as a visible light-driven catalyst for both water oxidation and reduction. <i>Energy and Environmental Science</i> , 2012, 5, 7903.	15.6	186
61	Design of a Water-Soluble Hybrid Nanocomposite of CdTe Quantum Dots and an Iridium Complex for Photoinduced Charge Transfer. <i>ChemPhysChem</i> , 2012, 13, 2589-2595.	1.0	4
62	Synthesis, Characterization, and Photophysical and Emission Solvatochromic Study of Rhenium(I) Tetra(isocyano) Diimine Complexes. <i>Organometallics</i> , 2011, 30, 2701-2711.	1.1	48
63	Aggregation and DNA Intercalation Properties of Di(isocyano) Rhodium(I) Diimine Complexes. <i>Organometallics</i> , 2011, 30, 5873-5881.	1.1	19
64	Synthesis, Functionalization, Characterization, and Photophysical Study of Carbonyl-Containing Isocyano Rhenium(I) Diimine Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 4798-4810.	1.9	58
65	Luminescent rhenium(i) complexes with acetylamino- and trifluoroacetylamino-containing phenanthroline ligands: Anion-sensing study. <i>Dalton Transactions</i> , 2011, 40, 10020.	1.6	39
66	Synthesis, characterization and photophysical study of a series of neutral isocyano rhodium(I) complexes with pyridylindolide ligands. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 3223-3230.	0.8	8
67	Electro- and photocatalytic hydrogen generation in acetonitrile and aqueous solutions by a cobalt macrocyclic Schiff-base complex. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 11640-11645.	3.8	55
68	$^5D_3 \rightarrow ^5D_4$ cross-relaxation of Tb <sup>3+</sup> in a cubic host lattice. <i>Chemical Physics Letters</i> , 2011, 506, 179-182.	1.2	33
69	Carbazole- $\pi$ -pyrene derivatives for undoped organic light-emitting devices. <i>Organic Electronics</i> , 2011, 12, 541-546.	1.4	29
70	Photochemical Synthesis of Intensely Luminescent Isocyano Rhenium(I) Complexes with Readily Tunable Structural Features. <i>Chemistry - A European Journal</i> , 2010, 16, 13773-13782.	1.7	53
71	Transition metal complexes with photochromic ligands-photosensitization and photoswitchable properties. <i>Journal of Materials Chemistry</i> , 2010, 20, 2063-2070.	6.7	177
72	Synthesis, characterisation and photophysical studies of leucotriarylmethanes-containing ligands and their rhenium(i) tricarbonyl diimine complexes. <i>Dalton Transactions</i> , 2010, 39, 6475.	1.6	17

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73	Design and Synthesis of a New Class of Photochromic Diarylethene-Containing Dithieno[3,2-b:2',3'-d]pyrroles and Their Switchable Luminescence Properties. <i>Chemistry - A European Journal</i> , 2009, 15, 10005-10009.	1.7	51
74	8-Quinololinato complexes of ruthenium(II) and (III). <i>Inorganica Chimica Acta</i> , 2009, 362, 1149-1157.	1.2	14
75	Thermochromic and Aggregation Properties of Bis(phenylisocyano) Rhodium(I) Diimine Complexes. <i>Organometallics</i> , 2009, 28, 3597-3600.	1.1	14
76	Photochromic Diarylethene-Containing Ionic Liquids and N-Heterocyclic Carbenes. <i>Journal of the American Chemical Society</i> , 2009, 131, 912-913.	6.6	197
77	Synthesis and Photophysical Properties of Ruthenium(II) Isocyanide Complexes Containing 8-Quinolinate Ligands. <i>Organometallics</i> , 2009, 28, 5709-5714.	1.1	24
78	A New Class of Isocyanide-Containing Rhenium(I) Bipyridyl Luminophore with Readily Tunable and Highly Environmentally Sensitive Excited-State Properties. <i>Inorganic Chemistry</i> , 2008, 47, 7447-7449.	1.9	53
79	Photochromic oligothiophenoacene derivatives with photo-switchable luminescence properties and computational studies. <i>Chemical Communications</i> , 2008, , 5203.	2.2	46
80	Syntheses, Characterization, and Photochromic Studies of Spirooxazine-Containing 2,2'-Bipyridine Ligands and Their Zinc(II) Thiolate Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 8912-8920.	1.9	32
81	Metal Coordination-Assisted Near-Infrared Photochromic Behavior: A Large Perturbation on Absorption Wavelength Properties of N,N-Donor Ligands Containing Diarylethene Derivatives by Coordination to the Rhenium(I) Metal Center. <i>Journal of the American Chemical Society</i> , 2007, 129, 6058-6059.	6.6	205
82	Syntheses, Luminescence Switching, and Electrochemical Studies of Photochromic Dithienyl-1,10-phenanthroline Zinc(II) Bis(thiolate) Complexes. <i>Inorganic Chemistry</i> , 2007, 46, 1144-1152.	1.9	77
83	A Photochromic Platinum(II) Bis(alkynyl) Complex Containing a Versatile 5,6-Dithienyl-1,10-phenanthroline. <i>Organometallics</i> , 2007, 26, 12-15.	1.1	108
84	Functionalized Rhenium(I) Complexes with Crown Ether Pendants Derived from 1,10-Phenanthroline: Selective Sensing for Metal Ions. <i>Organometallics</i> , 2007, 26, 6091-6098.	1.1	64
85	Triplet MLCT Photosensitization of the Ring-Closing Reaction of Diarylethenes by Design and Synthesis of a Photochromic Rhenium(I) Complex of a Diarylethene-Containing 1,10-Phenanthroline Ligand. <i>Chemistry - A European Journal</i> , 2006, 12, 5840-5848.	1.7	164
86	Anion-assisted trans-cis isomerization of palladium(ii) phosphine complexes containing acetanilide functionalities through hydrogen bonding interactions. <i>Chemical Communications</i> , 2005, , 1572-1574.	2.2	29
87	Synthesis, Characterization and Luminescence Studies of Trinuclear Rhenium-Cobalt Mixed-Metal Alkynyl Complexes Containing a Tetrahedral Co <sub>2</sub> C <sub>2</sub> Cluster Unit. <i>Journal of Cluster Science</i> , 2004, 15, 301-314.	1.7	3
88	Synthesis, Characterization and Photochromic Studies of Spirooxazine-Containing 2,2'-Bipyridine Ligands and Their Rhenium(I) Tricarbonyl Complexes. <i>Chemistry - A European Journal</i> , 2004, 10, 766-776.	1.7	91
89	Photochromic and Luminescence Switching Properties of a Versatile Diarylethene-Containing 1,10-Phenanthroline Ligand and Its Rhenium(I) Complex. <i>Journal of the American Chemical Society</i> , 2004, 126, 12734-12735.	6.6	330
90	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 3507-3510.	1.6	11

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91	First Observation of Alkali Metal Ion Induced Trans $\leftrightarrow$ Cis Isomerization of Palladium(II) Phosphane Complexes Containing Crown Ether $\text{\%}$ Moieties. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3385-3388.	7.2	40
92	First Observation of Alkali Metal Ion Induced Trans $\leftrightarrow$ Cis Isomerization of Palladium(II) Phosphane Complexes Containing Crown Ether $\text{\%}$ Moieties. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 3981-3981.	7.2	0
93	Electroswitchable Photoluminescence Activity: A Synthesis, Spectroscopy, Electrochemistry, Photophysics, and X-ray Crystal and Electronic Structures of [Re(bpy)(CO) <sub>3</sub> (C <sub>6</sub> H <sub>4</sub> C)Fe(C <sub>5</sub> Me <sub>5</sub> )(dppe)] [PF <sub>6</sub> ] <sub>n</sub> (n= 0, 1). <i>Inorganic Chemistry</i> , 2003, 42, 7086-7097.	1.9	121
94	Syntheses, crystal structures, photophysics and cation-binding studies of luminescent functionalized ruthenium polypyridine complexes with orthometallated aminocarbene ligands. <i>Dalton Transactions</i> , 2003, , 3914.	1.6	16
95	Synthesis and Ion-Binding Studies of a Platinum(II) Terpyridine Complex with Crown Ether Pendant. X-ray Crystal Structure of [Pt(trpy)(S-benzo-15-crown-5)]PF <sub>6</sub> . <i>Inorganic Chemistry</i> , 2001, 40, 571-574.	1.9	69
96	Synthesis, structure, luminescence and electrochemical studies of a novel class of ruthenium(II) polypyridine complexes with orthometallated aminocarbene ligands. <i>Dalton Transactions RSC</i> , 2001, , 1911-1919.	2.3	3
97	Syntheses, Crystal Structure, and Photochromic Properties of Rhenium(I) Complexes Containing the Spiroanthoxazine Moiety. <i>Organometallics</i> , 2000, 19, 1820-1822.	1.1	69
98	Synthesis and Luminescence Behavior of Rhenium(I) Triynyl Complexes. X-ray Crystal Structures of [Re(CO) <sub>3</sub> (tBu <sub>2</sub> bpy)(C <sub>6</sub> H <sub>4</sub> C <sub>2</sub> Ph)] and [Re(CO) <sub>3</sub> (Me <sub>2</sub> bpy)(C <sub>6</sub> H <sub>4</sub> C <sub>2</sub> SiMe <sub>3</sub> )]. <i>Organometallics</i> , 2000, 19, 5092-5097.	2.0	20
99	Photochromic Transitional Metal Complexes for Photosensitization. , 0, , 47-70.		0
100	Excited $\text{\%}$ State Dynamics of Phosphorescent Trinuclear Re(I) Complexes. <i>European Journal of Inorganic Chemistry</i> , 0, , .	1.0	1