Chi-Chiu Ko

List of Publications by Year
in descending order

100	4,689	94269 37	102304 66
papers	citations	h-index	g-index

107	107	107	4629
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photochromic and Luminescence Switching Properties of a Versatile Diarylethene-Containing 1,10-Phenanthroline Ligand and Its Rhenium(I) Complex. Journal of the American Chemical Society, 2004, 126, 12734-12735.	6.6	330
2	High Efficiency Nondoped Deep-Blue Organic Light Emitting Devices Based on Imidazole-Ï€-triphenylamine Derivatives. Chemistry of Materials, 2012, 24, 61-70.	3.2	313
3	Highly Efficient and Selective Photocatalytic CO₂ Reduction by Iron and Cobalt Quaterpyridine Complexes. Journal of the American Chemical Society, 2016, 138, 9413-9416.	6.6	276
4	Metal Coordination-Assisted Near-Infrared Photochromic Behavior:Â A Large Perturbation on Absorption Wavelength Properties of N,N-Donor Ligands Containing Diarylethene Derivatives by Coordination to the Rhenium(I) Metal Center. Journal of the American Chemical Society, 2007, 129, 6058-6059.	6.6	205
5	Photochromic Diarylethene-Containing Ionic Liquids and N-Heterocyclic Carbenes. Journal of the American Chemical Society, 2009, 131, 912-913.	6.6	197
6	Coordination Compounds with Photochromic Ligands: Ready Tunability and Visible Light-Sensitized Photochromism. Accounts of Chemical Research, 2018, 51, 149-159.	7.6	197
7	A cobalt(ii) quaterpyridine complex as a visible light-driven catalyst for both water oxidation and reduction. Energy and Environmental Science, 2012, 5, 7903.	15.6	186
8	Transition metal complexes with photochromic ligandsâ€"photosensitization and photoswitchable properties. Journal of Materials Chemistry, 2010, 20, 2063-2070.	6.7	177
9	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. Chemistry - A European Journal, 2006, 12, 5840-5848.	1.7	164
10	Electroswitchable Photoluminescence Activity:Â Synthesis, Spectroscopy, Electrochemistry, Photophysics, and X-ray Crystal and Electronic Structures of [Re(bpy)(CO)3(Câ‹®CC6H4Câ‹®C)Fe(C5Me5)(dppe)][PF6]n(n= 0, 1). Inorganic Chemistry, 2003, 42, 7086-7097.	1.9	121
11	A Photochromic Platinum(II) Bis(alkynyl) Complex Containing a Versatile 5,6-Dithienyl-1,10-phenanthroline. Organometallics, 2007, 26, 12-15.	1.1	108
12	Phorbiplatin, a Highly Potent Pt(IV) Antitumor Prodrug That Can Be Controllably Activated by Red Light. CheM, 2019, 5, 3151-3165.	5.8	107
13	Synthesis, Characterization and Photochromic Studies of Spirooxazine-Containing 2,2â€²-Bipyridine Ligands and Their Rhenium(i) Tricarbonyl Complexes. Chemistry - A European Journal, 2004, 10, 766-776.	1.7	91
14	Syntheses, Luminescence Switching, and Electrochemical Studies of Photochromic Dithienyl-1,10-phenanthroline Zinc(II) Bis(thiolate) Complexes. Inorganic Chemistry, 2007, 46, 1144-1152.	1.9	77
15	Dual Homogeneous and Heterogeneous Pathways in Photo- and Electrocatalytic Hydrogen Evolution with Nickel(II) Catalysts Bearing Tetradentate Macrocyclic Ligands. ACS Catalysis, 2015, 5, 356-364.	5.5	75
16	Cerium(IV)â€Đriven Water Oxidation Catalyzed by a Manganese(V)â€"Nitrido Complex. Angewandte Chemie - International Edition, 2015, 54, 5246-5249.	7.2	74
17	Photocatalytic Conversion of CO₂ to CO by a Copper(II) Quaterpyridine Complex. ChemSusChem, 2017, 10, 4009-4013.	3.6	74
18	Syntheses, Crystal Structure, and Photochromic Properties of Rhenium(I) Complexes Containing the Spironaphthoxazine Moiety. Organometallics, 2000, 19, 1820-1822.	1.1	69

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19	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)]PF6. Inorganic Chemistry, 2001, 40, 571-574.	1.9	69
20	Functionalized Rhenium(I) Complexes with Crown Ether Pendants Derived from 1,10-Phenanthroline:â€‰ Selective Sensing for Metal Ions. Organometallics, 2007, 26, 6091-6098.	1.1	64
21	A Simple Design for Strongly Emissive Sky-Blue Phosphorescent Neutral Rhenium Complexes: Synthesis, Photophysics, and Electroluminescent Devices. Chemistry of Materials, 2014, 26, 2544-2550.	3.2	63
22	Synthesis and Luminescence Behavior of Rhenium(I) Triynyl Complexes. X-ray Crystal Structures of [Re(CO)3(tBu2bpy)(Câ‹®Câ‰¡Câ‹®Câ‰¡Câ‹®CPh)] and [Re(CO)3(Me2bpy)(Câ‹®Câ‰¡Câ‹®Câ‰¡Câ‹®CSiMe3)]. Organometallics, 2000, 19, 5092-5097.	4	61
23	Synthesis, Functionalization, Characterization, and Photophysical Study of Carbonyl-Containing Isocyano Rhenium(I) Diimine Complexes. Inorganic Chemistry, 2011, 50, 4798-4810.	1.9	58
24	Electro- and photocatalytic hydrogen generation in acetonitrile and aqueous solutions by a cobalt macrocyclic Schiff-base complex. International Journal of Hydrogen Energy, 2011, 36, 11640-11645.	3.8	55
25	A New Class of Isocyanide-Containing Rhenium(I) Bipyridyl Luminophore with Readily Tunable and Highly Environmentally Sensitive Excited-State Properties. Inorganic Chemistry, 2008, 47, 7447-7449.	1.9	53
26	Photochemical Synthesis of Intensely Luminescent Isocyano Rhenium(I) Complexes with Readily Tunable Structural Features. Chemistry - A European Journal, 2010, 16, 13773-13782.	1.7	53
27	Design and Synthesis of a New Class of Photochromic Diarylethene–Containing Dithieno[3,2â€‘b:2â€²,3â€²â€‘d]pyrroles and Their Switchable Luminescence Properties. Chemistry - A European Journal, 2009, 15, 10005-10009.	1.7	51
28	Photochemical and electrochemical catalytic reduction of CO₂with NHC-containing dicarbonyl rhenium(<scp>i</scp>) bipyridine complexes. Dalton Transactions, 2016, 45, 14524-14529.	1.6	50
29	Syntheses and photophysical studies of new classes of luminescent isocyano rhenium(I) diimine complexes. Coordination Chemistry Reviews, 2012, 256, 1546-1555.	9.5	49
30	Synthesis, Characterization, and Photophysical and Emission Solvatochromic Study of Rhenium(I) Tetra(isocyano) Diimine Complexes. Organometallics, 2011, 30, 2701-2711.	1.1	48
31	Photochromic oligothienoacene derivatives with photo-switchable luminescene properties and computational studies. Chemical Communications, 2008, , 5203.	2.2	46
32	Osmium(vi) nitrido complexes bearing azole heterocycles: a new class of antitumor agents. Chemical Science, 2012, 3, 1582.	3.7	46
33	First Observation of Alkali Metal Ion Induced Transâ€“Cis Isomerization of Palladium(II) Phosphane Complexes Containing Crown Etherâ€‰Moieties. Angewandte Chemie - International Edition, 2003, 42, 3385-3388.	7.2	40
34	Strongly Phosphorescent Neutral Rhenium(I) Isocyanoborato Complexes: Synthesis, Characterization, and Photophysical, Electrochemical, and Computational Studies. Chemistry - A European Journal, 2015, 21, 2603-2612.	1.7	40
35	Luminescent rhenium(i) complexes with acetylamino- and trifluoroacetylamino-containing phenanthroline ligands: Anion-sensing study. Dalton Transactions, 2011, 40, 10020.	1.6	39
36	Synthesis, Characterization, and Photophysical Study of Luminescent Rhenium(I) Diimine Complexes with Various Types of N-Heterocyclic Carbene Ligands. Inorganic Chemistry, 2014, 53, 3022-3031.	1.9	39

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37	Luminescent Rhenium(I) Phenanthroline Complexes with a Benzoxazol-2-ylidene Ligand: Synthesis, Characterization, and Photophysical Study. Organometallics, 2012, 31, 7074-7084.	1.1	38
38	5D3â€“5D4 cross-relaxation of Tb3+ in a cubic host lattice. Chemical Physics Letters, 2011, 506, 179-182.	1.2	33
39	Synthesis, Characterization, Selfâ€Assembly, Gelation, Morphology and Computational Studies of Alkynylgold(III) Complexes of 2,6â€Bis(benzimidazolâ€2â€²â€yl)pyridine Derivatives. Chemistry - A European Journal, 2014, 20, 9930-9939.	1.7	33
40	Luminescent Rhenium(I) Pyridyldiaminocarbene Complexes: Photophysics, Anion-Binding, and CO₂-Capturing Properties. Inorganic Chemistry, 2016, 55, 7969-7979.	1.9	33
41	Syntheses, Characterization, and Photochromic Studies of Spirooxazine-Containing 2,2â€²-Bipyridine Ligands and Their Zinc(II) Thiolate Complexes. Inorganic Chemistry, 2008, 47, 8912-8920.	1.9	32
42	A new class of highly solvatochromic dicyano rhenate(i) diimine complexes â€“ synthesis, photophysics and photocatalysis. Chemical Communications, 2013, 49, 2311.	2.2	30
43	Anion-assisted transâ€“cis isomerization of palladium(ii) phosphine complexes containing acetanilide functionalities through hydrogen bonding interactions. Chemical Communications, 2005, , 1572-1574.	2.2	29
44	Carbazoleâ€“pyrene derivatives for undoped organic light-emitting devices. Organic Electronics, 2011, 12, 541-546.	1.4	29
45	Neutral Luminescent Bis(bipyridyl) Osmium(II) Complexes with Improved Phosphorescent Properties. Organometallics, 2014, 33, 6771-6777.	1.1	28
46	WO3 nanorods-modified carbon electrode for sustained electron uptake from Shewanella oneidensis MR-1 with suppressed biofilm formation. Electrochimica Acta, 2015, 152, 1-5.	2.6	26
47	Photochemical nitrogenation of alkanes and arenes by a strongly luminescent osmium(VI) nitrido complex. Communications Chemistry, 2019, 2, .	2.0	26
48	Synthesis, characterization, photophysics and electrochemical study of luminescent iridium(<scp>iii</scp>) complexes with isocyanoborate ligands. Dalton Transactions, 2015, 44, 15135-15144.	1.6	25
49	Synthesis and Photophysical Properties of Ruthenium(II) Isocyanide Complexes Containing 8-Quinolinolate Ligands. Organometallics, 2009, 28, 5709-5714.	1.1	24
50	Luminescent Chargeâ€Neutral Copper(I) Phenanthroline Complexes with Isocyanoborate Ligand. European Journal of Inorganic Chemistry, 2018, 2018, 897-903.	1.0	21
51	Syntheses, crystal structures and magnetic properties of a series of luminescent lanthanide complexes containing neutral tetradentate phenanthroline-amide ligands. Inorganic Chemistry Frontiers, 2019, 6, 1442-1452.	3.0	20
52	Visible light photocatalytic cross-coupling and addition reactions of arylalkynes with perfluoroalkyl iodides. Organic and Biomolecular Chemistry, 2020, 18, 8686-8693.	1.5	20
53	Aggregation and DNA Intercalation Properties of Di(isocyano) Rhodium(I) Diimine Complexes. Organometallics, 2011, 30, 5873-5881.	1.1	19
54	Synthesis, Structures, and Photophysical Properties of Ruthenium(II) Quinolinolato Complexes. Organometallics, 2012, 31, 7101-7108.	1.1	19

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55	Synthesis, characterisation and photophysical studies of leucotriarylmethanes-containing ligands and their rhenium(i) tricarbonyl diimine complexes. Dalton Transactions, 2010, 39, 6475.	1.6	17
56	Polypyridyl chromium(<scp>iii</scp>) complexes for non-volatile memory application: impact of the coordination sphere on memory device performance. Journal of Materials Chemistry C, 2018, 6, 1445-1450.	2.7	17
57	Syntheses, crystal structures, photophysics and cation-binding studies of luminescent functionalized ruthenium polypyridine complexes with orthometallated aminocarbene ligands. Dalton Transactions, 2003, , 3914.	1.6	16
58	Luminescent Cyanoruthenate(II)ïŁ¿Diimine and Cyanoruthenium(II)ïŁ¿Diimine Complexes. Chemistry - A European Journal, 2013, 19, 15190-15198.	1.7	16
59	Synthesis, structures and photophysical properties of Cu(I) phosphine complexes with various diimine ligands. Polyhedron, 2017, 127, 203-211.	1.0	16
60	Tunable Luminescent Properties of Tricyanoosmium Nitrido Complexes Bearing a Chelating O^N Ligand. Inorganic Chemistry, 2020, 59, 4406-4413.	1.9	16
61	Mechanochemical changes on cyclometalated Ir(<scp>iii</scp>) acyclic carbene complexes â€“ design and tuning of luminescent mechanochromic transition metal complexes. Inorganic Chemistry Frontiers, 2020, 7, 786-794.	3.0	16
62	Field-induced slow magnetic relaxation in low-spin S = 1/2 mononuclear osmium(<scp>v</scp>) complexes. Dalton Transactions, 2020, 49, 4084-4092.	1.6	16
63	Synthesis, Characterization and Photophysical Studies of Luminescent Dinuclear and Trinuclear Copper(I) Alkynyl Phosphines. Journal of Cluster Science, 2014, 25, 287-300.	1.7	15
64	Design and Synthesis of Luminescent Bis(isocyanoborato) Rhenate(I) Complexes as a Selective Sensor for Cyanide Anion. Organometallics, 2020, 39, 2135-2141.	1.1	15
65	8-Quinolinolato complexes of ruthenium(II) and (III). Inorganica Chimica Acta, 2009, 362, 1149-1157.	1.2	14
66	Thermochromic and Aggregation Properties of Bis(phenylisocyano) Rhodium(I) Diimine Complexes. Organometallics, 2009, 28, 3597-3600.	1.1	14
67	Design of Luminescent Isocyano Rhenium(I) Complexes: Photophysics and Effects of the Ancillary Ligands. Inorganic Chemistry, 2018, 57, 13963-13972.	1.9	14
68	Polynuclear Cu(<scp>i</scp>) and Ag(<scp>i</scp>) phosphine complexes containing multi-dentate polytopic ligands: syntheses, crystal structures and photoluminescence properties. Dalton Transactions, 2019, 48, 741-750.	1.6	14
69	Acid-Base Behaviour in the Absorption and Emission Spectra of Ruthenium(II) Complexes with Hydroxy-Substituted Bipyridine and Phenanthroline Ligands. European Journal of Inorganic Chemistry, 2016, 2016, 3641-3648.	1.0	13
70	Luminescence behaviour of Pb²⁺-based cage-containing and channel-containing porous coordination polymers. Dalton Transactions, 2016, 45, 16134-16138.	1.6	12
71	Interface Engineering via Photopolymerization-Induced Phase Separation for Flexible UV-Responsive Phototransistors. ACS Applied Materials & Interfaces, 2018, 10, 7487-7496.	4.0	12
72	Visible light-induced oxidative N-dealkylation of alkylamines by a luminescent osmium(<scp>vi</scp>) nitrido complex. Chemical Science, 2021, 12, 14494-14498.	3.7	12

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73	Title is missing!. Angewandte Chemie, 2003, 115, 3507-3510.	1.6	11
74	Luminescent Carbonyl Hydrido Ruthenium(II) Diimine Coordination Compounds: Structural, Photophysical, and Electrochemical Properties. European Journal of Inorganic Chemistry, 2016, 2016, 3892-3899.	1.0	11
75	Efficient photocatalytic water reduction by a cobalt(<scp>ii</scp>) tripodal iminopyridine complex. Catalysis Science and Technology, 2018, 8, 307-313.	2.1	11
76	Synthesis, photophysical and electrochemical study of diisocyano-bridged homodinuclear rhenium(I) diimine complexes. Polyhedron, 2015, 86, 17-23.	1.0	10
77	Recyclable polymer-supported iridium-based photocatalysts for photoredox organic transformations. Journal of Catalysis, 2022, 407, 206-212.	3.1	10
78	Precious-metal free photocatalytic production of an NADH analogue using cobalt diimineâ€“dioxime catalysts under both aqueous and organic conditions. Chemical Communications, 2020, 56, 7491-7494.	2.2	9
79	Photocatalytic amidation and esterification with perfluoroalkyl iodide. Catalysis Science and Technology, 2021, 11, 556-562.	2.1	9
80	Luminescent monomeric and dimeric Ru(<scp>ii</scp>) acyclic carbene complexes as selective sensors for NH₃/amine vapor and humidity. Chemical Science, 2021, 12, 14103-14110.	3.7	9
81	Synthesis, characterization and photophysical study of a series of neutral isocyano rhodium(I) complexes with pyridylindolide ligands. Journal of Organometallic Chemistry, 2011, 696, 3223-3230.	0.8	8
82	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. Mikrochimica Acta, 2018, 185, 428.	2.5	8
83	Photoredox Catalysis of Cyclometalated Ir^{III} Complex for the Conversion of Amines to Fluorinated Alkyl Amides. Asian Journal of Organic Chemistry, 2018, 7, 1587-1590.	1.3	8
84	Excited State Dynamics of Isocyano Rhenium(I) Phenanthroline Complexes from Timeâ€Resolved Spectroscopy. ChemPhysChem, 2019, 20, 1946-1953.	1.0	8
85	Development of Dual Phosphorescent Materials Based on Multiple Stimuli-Responsive Ir(III) Acyclic Carbene Complexes. CCS Chemistry, 2022, 4, 2354-2368.	4.6	7
86	The Important Role of Coordination Geometry on Photophysical Properties of Blue-Green Emitting Ruthenium(II) Diisocyano Complexes Bearing 2-Benzoxazol-2-ylphenolate. Inorganic Chemistry, 2019, 58, 11372-11381.	1.9	6
87	Electronic Communication in Luminescent Dicyanorhenate-Bridged Homotrinuclear Rhenium(I) Complexes. Inorganic Chemistry, 2019, 58, 6696-6705.	1.9	6
88	Study of Re(I) Carbene Complexes for Photocatalytic Reduction of Carbon Dioxide. Energy & Fuels, 2021, 35, 19170-19177.	2.5	6
89	Synthesis and characterization of alkynylrhenium(I) tricarbonyl diimine complexes with fused thiophene and cyanoacrylic acid moiety. Polyhedron, 2016, 116, 144-152.	1.0	5
90	Design of a Waterâ€Soluble Hybrid Nanocomposite of CdTe Quantum Dots and an Iridium Complex for Photoinduced Charge Transfer. ChemPhysChem, 2012, 13, 2589-2595.	1.0	4

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91	Synthesis, structure, luminescence and electrochemical studies of a novel class of ruthenium(II) polypyridine complexes with orthometallated aminocarbene ligands. Dalton Transactions RSC, 2001, , 1911-1919.	2.3	3
92	Synthesis, Characterization and Luminescence Studies of Trinuclear Rheniumâ€“Cobalt Mixed-Metal Alkynyl Complexes Containing a Tetrahedral Co2C2Cluster Unit. Journal of Cluster Science, 2004, 15, 301-314.	1.7	3
93	Self-assembled nanostructures of linear arylacetylenes and their aza-substituted analogues. AIP Advances, 2016, 6, 065210.	0.6	2
94	Synthesis and photophysical properties of isocyano Ruthenium(II) quinoline-8-thiolate complexes with visible-light and near-infrared emission. Journal of Organometallic Chemistry, 2016, 804, 101-107.	0.8	2
95	Synthesis, structure and reactivity of iridium complexes containing a bis-cyclometalated tridentate C^N^C ligand. Dalton Transactions, 2021, 50, 8512-8523.	1.6	1
96	Excitedâ€State Dynamics of Phosphorescent Trinuclear Re(I) Complexes. European Journal of Inorganic Chemistry, 0, , .	1.0	1
97	First Observation of Alkali Metal Ion InducedTransâ€“Cis Isomerization of Palladium(II) Phosphane Complexes Containing Crown Etherâ€‰Moieties. Angewandte Chemie - International Edition, 2003, 42, 3981-3981.	7.2	0
98	Photochromic Transitional Metal Complexes for Photosensitization. , 0, , 47-70.		0
99	Photoredox Catalysis for the Fabrication of Water-Repellent Surfaces with Application for Oil/Water Separation. Langmuir, 2021, 37, 11592-11602.	1.6	0
100	Carbonyl and Isocyanide Complexes of Rhenium. , 2021, , .		0