

# Chun-Yuen Wong

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

102  
papers

2,893  
citations

28  
h-index

48  
g-index

108  
ext. papers

3,385  
ext. citations

6.9  
avg, IF

5.34  
L-index

#	Paper	IF	Citations
102	The significance of trophic transfer in the uptake of microplastics by carnivorous gastropod <i>Reishia clavigera</i> .. <i>Environmental Pollution</i> , <b>2022</b> , 298, 118862	9.3	1
101	Inhibition of the CDK9-cyclin T1 protein-protein interaction as a new approach against triple-negative breast cancer.. <i>Acta Pharmaceutica Sinica B</i> , <b>2022</b> , 12, 1390-1405	15.5	5
100	Tumor acidity-activatable photothermal/Fenton nanoagent for synergistic therapy.. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 612, 355-366	9.3	4
99	A focused review on the unconventional alkyne activations by ruthenium(II) and osmium(II) complexes supported by 1,2-bis(diphenylphosphino)methane (dppm). <i>Polyhedron</i> , <b>2021</b> , 197, 115023	2.7	2
98	Controlled Activation of Dipicolinyl-Substituted Propargylic Alcohol by Ru(II) and Os(II) for Unprecedented Indolizine-Fused Metallafuran Complexes. <i>Organometallics</i> , <b>2021</b> , 40, 2458-2466	3.8	2
97	Zwitterion-Induced OrganicMetal Hybrid Catalysis in Aerobic Oxidation. <i>ACS Catalysis</i> , <b>2021</b> , 11, 3498-3506	9.1	1
96	A bioactive ligand-conjugated iridium(III) metal-based complex as a Keap1-Nrf2 protein-protein interaction inhibitor against acetaminophen-induced acute liver injury. <i>Redox Biology</i> , <b>2021</b> , 102129	11.3	3
95	NIR-II-driven and glutathione depletion-enhanced hypoxia-irrelevant free radical nanogenerator for combined cancer therapy. <i>Journal of Nanobiotechnology</i> , <b>2021</b> , 19, 265	9.4	8
94	One-pot synthesis of a self-reinforcing cascade bioreactor for combined photodynamic/chemodynamic/starvation therapy. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 599, 543-555	9.3	13
93	A New Tetradentate Mixed Aza-Thioether Macrocyclic and Its Complexation Behavior towards Fe(II), Ni(II) and Cu(II) Ions. <i>Molecules</i> , <b>2020</b> , 25,	4.8	1
92	Synthesis, Spectroscopic and Computational Studies of Rhodium(III) Complexes Bearing N-Heterocyclic Carbene-Based C <sup>N</sup> C Pincer Ligand and Bipyridine/Terpyridine. <i>European Journal of Inorganic Chemistry</i> , <b>2020</b> , 2020, 2343-2351	2.3	1
91	Ru(II)- and Os(II)-Induced Cycloisomerization of Phenol-Tethered Alkyne for Functional Chromene and Chromone Complexes. <i>Organometallics</i> , <b>2020</b> , 39, 1299-1309	3.8	5
90	Heavy metals contamination of sedimentary microplastics in Hong Kong. <i>Marine Pollution Bulletin</i> , <b>2020</b> , 153, 110977	6.7	39
89	Impacts of Typhoon Mangkhut in 2018 on the deposition of marine debris and microplastics on beaches in Hong Kong. <i>Science of the Total Environment</i> , <b>2020</b> , 716, 137172	10.2	28
88	Ruthenium-Induced Cyclization of Heteroatom-Functionalized Alkynes: Progress, Challenges and Perspectives. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 6102-6112	4.8	12
87	Multifunctional oxygen-enriching nano-theranostics for cancer-specific magnetic resonance imaging and enhanced photodynamic/photothermal therapy. <i>Nano Research</i> , <b>2020</b> , 13, 1389-1398	10	23
86	Field test of beach litter assessment by commercial aerial drone. <i>Marine Pollution Bulletin</i> , <b>2020</b> , 151, 110823	6.7	21

85	Conventional and unconventional alkyne activations by Ru and Os for unprecedented dimetalated quinolinium complexes. <i>Chemical Communications</i> , <b>2020</b> , 56, 8908-8911	5.8	4
84	Iron(ii)-induced cycloisomerization of alkynes via "non-vinylidene" pathways for iron(ii)-indolizine and -indolizinone complexes. <i>Chemical Communications</i> , <b>2020</b> , 56, 12644-12647	5.8	1
83	Recent developments in ruthenium–nitrosoarene chemistry: Unconventional synthetic strategies, new ligand designs, and exploration of ligands redox non-innocence. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 402, 213082	23.2	7
82	Isolation of a C3-metalated indolizine complex and a phosphonium ring-fused bicyclic metallafuran from the osmium-induced transformation of pyridine-tethered alkynes. <i>Faraday Discussions</i> , <b>2019</b> , 220, 196-207	3.6	8
81	Phosphonium-Ring-Fused Bicyclic Metallafuran Complexes of Ruthenium and Osmium. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 9159-9163	4.8	17
80	Long-lived iridium(III) complexes as luminescent probes for the detection of periodate in living cells. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 288, 392-398	8.5	14
79	Physical methods for mechanistic understanding: general discussion. <i>Faraday Discussions</i> , <b>2019</b> , 220, 144-178	3.6	
78	Mechanistic insight into organic and industrial transformations: general discussion. <i>Faraday Discussions</i> , <b>2019</b> , 220, 282-316	3.6	7
77	Ruthenium-Induced Alkyne Cycloisomerization: Construction of Metalated Heterocycles, Revelation of Unconventional Reaction Pathways, and Exploration of Functional Applications. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 2889-2897	4.8	19
76	Spatial distribution and source identification of hydrophobic organic compounds (HOCs) on sedimentary microplastic in Hong Kong. <i>Chemosphere</i> , <b>2019</b> , 219, 418-426	8.4	31
75	Cell imaging of dopamine receptor using agonist labeling iridium(iii) complex. <i>Chemical Science</i> , <b>2018</b> , 9, 1119-1125	9.4	93
74	Comparisons of microplastic pollution between mudflats and sandy beaches in Hong Kong. <i>Environmental Pollution</i> , <b>2018</b> , 236, 208-217	9.3	93
73	Intermediates in the Oxidative Degradation of a Ruthenium-Bound 2,2'-BipyridylPhenoxy Ligand during Catalytic Water Oxidation. <i>ChemCatChem</i> , <b>2018</b> , 10, 501-504	5.2	12
72	Selective Inhibition of Lysine-Specific Demethylase 5A (KDM5A) Using a Rhodium(III) Complex for Triple-Negative Breast Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 13091-13095	16.4	73
71	Ruthenium-indolizinone complexes as a new class of metalated heterocyclic compounds: insight into unconventional alkyne activation pathways, revelation of unexpected electronic properties and exploration of medicinal application. <i>Dalton Transactions</i> , <b>2018</b> , 47, 12838-12842	4.3	13
70	Enhanced Negative Photoconductivity in InAs Nanowire Phototransistors Surface-Modified with Molecular Monolayers. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701104	4.6	14
69	Metalated Chromene and Chromone Complexes: pH Switchable Metal-Carbon Bonding Interaction, Photo-triggerable Chromone Delivery Application, and Antioxidative Activity. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 1779-1783	4.8	16
68	Rhodium(III)-Based Inhibitor of the JMJD3-H3K27me3 Interaction and Modulator of the Inflammatory Response. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 14023-14026	5.1	9

67	Gold-Clip-Assisted Self-Assembly and Proton-Coupled Expansion-Contraction of a Cofacial Fe-Porphyrin Cage. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 18623-18628	4.8	4
66	Enhanced Self-Assembly of Crystalline, Large-Area, and Periodicity-Tunable TiO Nanotube Arrays on Various Substrates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 6265-6272	9.5	10
65	A Rhodium(III)-Based Inhibitor of Lysine-Specific Histone Demethylase 1 as an Epigenetic Modulator in Prostate Cancer Cells. <i>Journal of Medicinal Chemistry</i> , <b>2017</b> , 60, 2597-2603	8.3	52
64	Anticancer osmium complex inhibitors of the HIF-1 $\alpha$ and p300 protein-protein interaction. <i>Scientific Reports</i> , <b>2017</b> , 7, 42860	4.9	24
63	Modulating electronic structure of CoP electrocatalysts towards enhanced hydrogen evolution by Ce chemical doping in both acidic and basic media. <i>Nano Energy</i> , <b>2017</b> , 38, 290-296	17.1	142
62	Rapid visual and spectrophotometric nitrite detection by cyclometalated ruthenium complex. <i>Analytica Chimica Acta</i> , <b>2017</b> , 990, 135-140	6.6	32
61	Unraveling the Morphological Evolution and Etching Kinetics of Porous Silicon Nanowires During Metal-Assisted Chemical Etching. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 385	5	23
60	Conjugating a groove-binding motif to an Ir(III) complex for the enhancement of G-quadruplex probe behavior. <i>Chemical Science</i> , <b>2016</b> , 7, 2516-2523	9.4	142
59	Four-Electron Oxidation of Phenols to p-Benzoquinone Imines by a (Salen)ruthenium(VI) Nitrido Complex. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 5817-20	16.4	17
58	A metal-based tumour necrosis factor-alpha converting enzyme inhibitor. <i>Chemical Communications</i> , <b>2015</b> , 51, 3973-6	5.8	24
57	Luminescent ruthenium(II) complex bearing bipyridine and N-heterocyclic carbene-based C <sup>2</sup> N <sup>2</sup> C pincer ligand for live-cell imaging of endocytosis. <i>Scientific Reports</i> , <b>2015</b> , 5, 9070	4.9	18
56	Modulating Electrical Properties of InAs Nanowires via Molecular Monolayers. <i>ACS Nano</i> , <b>2015</b> , 9, 7545-526.7	26.7	26
55	Isolation of Ruthenium Indole and Indole Zwitterion Complexes: Insight into the Metal-Induced Cyclization of Aniline-Tethered Alkynes and Strategy to Lower the Activation Barrier of Metal-Vinylidene Formation. <i>Organometallics</i> , <b>2015</b> , 34, 1963-1968	3.8	32
54	Insight into the electrochemical activation of carbon-based cathodes for hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 13080-13086	13	175
53	Luminescent Iridium(III) Complexes Supported by N-Heterocyclic Carbene-based C <sup>2</sup> C <sup>2</sup> C-Pincer Ligands and Aromatic Diimines. <i>Scientific Reports</i> , <b>2015</b> , 5, 15394	4.9	11
52	A luminescence switch-on probe for terminal deoxynucleotidyl transferase (TdT) activity detection by using an iridium(III)-based i-motif probe. <i>Chemical Communications</i> , <b>2015</b> , 51, 9953-6	5.8	53
51	Synthesis, Spectroscopic and Theoretical Studies of Ruthenafuran and Osmafuran Prepared by Activation of Ynone in Alcohol. <i>Organometallics</i> , <b>2015</b> , 34, 1005-1012	3.8	26
50	Dual Inhibition And Monitoring Of Beta-amyloid Fibrillation By A Luminescent Iridium(III) Complex. <i>Current Alzheimer Research</i> , <b>2015</b> , 12, 439-44	3	17

49	Optical Nanoscale Patterning Through Surface-Textured Polymer Films. <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 855-860	8.1	13
48	Hierarchical silicon nanostructured arrays via metal-assisted chemical etching. <i>RSC Advances</i> , <b>2014</b> , 4, 50081-50085	3.7	10
47	Rational design of inverted nanopencil arrays for cost-effective, broadband, and omnidirectional light harvesting. <i>ACS Nano</i> , <b>2014</b> , 8, 3752-60	16.7	90
46	MetalIndolizine Zwitterion Complexes as a New Class of Organometallic Material: a Spectroscopic and Theoretical Investigation. <i>Organometallics</i> , <b>2014</b> , 33, 3443-3452	3.8	30
45	A rhodium(III) complex inhibits LPS-induced nitric oxide production and angiogenic activity in cellulose. <i>Journal of Inorganic Biochemistry</i> , <b>2014</b> , 140, 23-8	4.2	14
44	Mechanistic Characteristics of Metal-Assisted Chemical Etching in GaAs. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 6903-6908	3.8	22
43	Surfactant-assisted chemical vapour deposition of high-performance small-diameter GaSb nanowires. <i>Nature Communications</i> , <b>2014</b> , 5, 5249	17.4	78
42	Trapping of the putative 1,2-dinitrosoarene intermediate of benzofuroxan tautomerization by coordination at ruthenium and exploration of its redox non-innocence. <i>Chemical Science</i> , <b>2014</b> , 5, 3883-3887	9.4	18
41	Visualization of Zn <sup>2+</sup> ions in live zebrafish using a luminescent iridium(III) chemosensor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 14008-15	9.5	48
40	A ruthenium(II) complex supported by trithiacyclononane and aromatic diimine ligand as luminescent switch-on probe for biomolecule detection and protein staining. <i>Scientific Reports</i> , <b>2014</b> , 4, 7136	4.9	16
39	A colorimetric and luminescent dual-modal assay for Cu(II) ion detection using an iridium(III) complex. <i>PLoS ONE</i> , <b>2014</b> , 9, e99930	3.7	23
38	Patterning: Optical Nanoscale Patterning Through Surface-Textured Polymer Films (Advanced Optical Materials 9/2014). <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 854-854	8.1	
37	Polymer-confined colloidal monolayer: a reusable soft photomask for rapid wafer-scale nanopatterning. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 20837-41	9.5	16
36	Ruthenium(II) and osmium(II) complexes bearing bipyridine and the N-heterocyclic carbene-based C <sup>∧</sup> N <sup>∧</sup> C pincer ligand: an experimental and density functional theory study. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 9885-96	5.1	47
35	Developing controllable anisotropic wet etching to achieve silicon nanorods, nanopencils and nanocones for efficient photon trapping. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 9942	13	63
34	Crystalline GaSb nanowires synthesized on amorphous substrates: from the formation mechanism to p-channel transistor applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 10946-52	9.5	32
33	Carbon doping of InSb nanowires for high-performance p-channel field-effect-transistors. <i>Nanoscale</i> , <b>2013</b> , 5, 9671-6	7.7	29
32	Noninnocent Behavior of NitrosoareneByridine Hybrid Ligands: Ruthenium Complexes Bearing a 2-(2-Nitrosoaryl)Pyridine Monoanion Radical. <i>ChemPlusChem</i> , <b>2013</b> , 78, 214-217	2.8	23

31	Ligand Perturbations on Fluorescence of Dinuclear Platinum Complexes of 5,12-Diethynyltetracene: A Spectroscopic and Computational Study. <i>Organometallics</i> , <b>2013</b> , 32, 1620-1629	3.8	25
30	Isolation of Ruthenium Indolizine Complexes: Insight into the Metal-Induced Cycloisomerization of Propargylic Pyridines. <i>Organometallics</i> , <b>2013</b> , 32, 3583-3586	3.8	35
29	Phosphorescent imaging of living cells using a cyclometalated iridium (III) complex. <i>PLoS ONE</i> , <b>2013</b> , 8, e55751	3.7	24
28	Emissive osmium(II) complexes supported by N-heterocyclic carbene-based C <sup>∧</sup> C <sup>∧</sup> C-pincer ligands and aromatic diimines. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 8693-703	5.1	53
27	A Metal-Based Inhibitor of Tumor Necrosis Factor- $\alpha$ <i>Angewandte Chemie</i> , <b>2012</b> , 124, 9144-9148	3.6	17
26	A metal-based inhibitor of tumor necrosis factor- $\alpha$ <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 9010-4	16.4	144
25	Ruthenium complexes containing 2-(2-nitrosoaryl)pyridine: structural, spectroscopic, and theoretical studies. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 11636-43	5.1	25
24	Structure-based optimization of FDA-approved drug methylene blue as a c-myc G-quadruplex DNA stabilizer. <i>Biochimie</i> , <b>2011</b> , 93, 1055-64	4.6	75
23	Helical Complexes of Chiral Quaterpyridines [Mononuclear CuII and Dinuclear CuI Complexes. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 5112-5124	2.3	10
22	Structure-based repurposing of FDA-approved drugs as TNF- $\alpha$ inhibitors. <i>ChemMedChem</i> , <b>2011</b> , 6, 765-8	3.7	34
21	Cadmium Sulfide Silver Nanoplate Hybrid Structure: Synthesis and Fluorescence Enhancement. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 21604-21609	3.8	14
20	Facile Direct Insertion of Nitrosonium Ion (NO <sup>+</sup> ) into a Ruthenium $\pi$ aryl Bond. <i>Organometallics</i> , <b>2011</b> , 30, 1311-1314	3.8	27
19	The role of metal film electron density in a surface plasmon polariton assisted light emitter. <i>Nanotechnology</i> , <b>2010</b> , 21, 055203	3.4	10
18	Photophysical and Theoretical Studies of Ruthenium(II) $\pi$ acetylide and $\pi$ cyanide Complexes with Aromatic Diimine and Trithiacyclononane. <i>Organometallics</i> , <b>2010</b> , 29, 6259-6266	3.8	19
17	High-gain optical amplification in Eu(3+)-doped polymer. <i>Optics Letters</i> , <b>2010</b> , 35, 520-2	3	13
16	Osmium Complexes Containing N-Heterocyclic Carbene-Based C,N,C-Pincer Ligands. <i>Organometallics</i> , <b>2010</b> , 29, 2533-2539	3.8	36
15	Trends for the crystallinity, optical and electrical properties of post-thermal annealed ZnO nanorods. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2009</b> , 164, 80-84	3.1	9
14	8-Quinolinolato complexes of ruthenium(II) and (III). <i>Inorganica Chimica Acta</i> , <b>2009</b> , 362, 1149-1157	2.7	12



13	Ruthenium Acetylide Complexes Supported by Trithiacyclononane and Aromatic Diimine: Structural, Spectroscopic, and Theoretical Studies. <i>Organometallics</i> , <b>2009</b> , 28, 5656-5660	3.8	16
12	Stereoselective formation of helical binuclear metal complexes: synthesis, characterization, and crystal structures of chiral bis-rhenium(I) quaterpyridine complexes. <i>Inorganic Chemistry</i> , <b>2009</b> , 48, 4108-11	5.7	20
11	Ruthenium(II) Isocyanide Complexes Supported by Triazacyclononane/Trithiacyclononane and Aromatic Diimine: Structural, Spectroscopic, and Theoretical Studies. <i>Organometallics</i> , <b>2009</b> , 28, 3537-3548	3.8	24
10	Ruthenium Carbene and Allenylidene Complexes Supported by the Tertiary Amine/Aromatic Diimine Ligand Set: Structural, Spectroscopic, and Theoretical Studies. <i>Organometallics</i> , <b>2008</b> , 27, 5806-5814	3.8	26
9	Spectroscopic studies and structures of trans-ruthenium(II) and ruthenium(III) bis(cyanide) complexes supported by a tetradentate macrocyclic tertiary amine ligand. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 10308-16	5.1	11
8	Proton-Bridged Dinuclear (salen)Ru Carbene Complexes: Synthesis, Structure, and Reactivity of $[(\text{salchda})\text{Ru}^{\text{II}}\text{C}(\text{OR})(\text{CH}^{\text{II}}\text{CPh}_2)]_2\text{H}^+$ . <i>Organometallics</i> , <b>2008</b> , 27, 324-326	3.8	23
7	Ambipolar charge transport and electroluminescence properties of ZnO nanorods. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 023502	3.4	15
6	Solvent effects on the oxidation of $\text{Ru}^{\text{IV}}=\text{O}$ to $\text{O}=\text{Ru}^{\text{VI}}=\text{O}$ by $\text{MnO}_4^-$ . hydrogen-atom versus oxygen-atom transfer. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 13646-52	16.4	25
5	A bis(pyridyl)allenylidene complex of ruthenium: a "molecular clip" that displays intense near-infrared absorption upon coordination to a ruthenium(II) center. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2694-8	16.4	19
4	A Bis(pyridyl)allenylidene Complex of Ruthenium: A Molecular Clip That Displays Intense Near-Infrared Absorption upon Coordination to a Ruthenium(II) Center. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 2760-2764	3.6	7
3	Probing ruthenium-acetylide bonding interactions: synthesis, electrochemistry, and spectroscopic studies of acetylide-ruthenium complexes supported by tetradentate macrocyclic amine and diphosphine ligands. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 13997-4007	16.4	56
2	Ruthenium(II) Acetylide and Carbene Complexes Supported by the Terpyridine/Bipyridine Ligand Set: Structural, Spectroscopic, and Photochemical Studies <i>Organometallics</i> , <b>2004</b> , 23, 2263-2272	3.8	27
1	Probing the ruthenium-cumulene bonding interaction: synthesis and spectroscopic studies of vinylidene- and allenylidene-ruthenium complexes supported by tetradentate macrocyclic tertiary amine and comparisons with diphosphine analogues of ruthenium and osmium. <i>Journal of the American Chemical Society</i> , <b>2004</b> , 126, 2501-14	16.4	40