

# Wai-Pong To

## List of Publications by Year in descending order

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60  
papers

3,359  
citations

109137

35  
h-index

143772

57  
g-index

70  
all docs

70  
docs citations

70  
times ranked

3698  
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescent Organogold(III) Complexes with Long-Lived Triplet Excited States for Light-Induced Oxidative C-H Bond Functionalization and Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2654-2657.	7.2	195
2	A Robust Palladium(II)-Porphyrin Complex as Catalyst for Visible Light Induced Oxidative C-H Functionalization. <i>Chemistry - A European Journal</i> , 2013, 19, 5654-5664.	1.7	184
3	Strongly Luminescent Gold(III) Complexes with Long-Lived Excited States: High Emission Quantum Yields, Energy Up-Conversion, and Nonlinear Optical Properties. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 6648-6652.	7.2	158
4	Color Tunable Organic Light-Emitting Devices with External Quantum Efficiency over 20% Based on Strongly Luminescent Gold(III) Complexes having Long-Lived Emissive Excited States. <i>Advanced Materials</i> , 2014, 26, 2540-2546.	11.1	145
5	Luminescent Pincer Platinum(II) Complexes with Emission Quantum Yields up to Almost Unity: Photophysics, Photoreductive C-C Bond Formation, and Materials Applications. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2084-2089.	7.2	134
6	Luminescent zinc and copper complexes for high-performance solution-processed monochromic and white organic light-emitting devices. <i>Chemical Science</i> , 2015, 6, 4623-4635.	3.7	133
7	Highly Luminescent Pincer Gold(III) Aryl Emitters: Thermally Activated Delayed Fluorescence and Solution-Processed OLEDs. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14036-14041.	7.2	133
8	A Binuclear Gold(I) Complex with Mixed Bridging Diphosphine and Bis(N-heterocyclic Carbene) Ligands Shows Favorable Thiol Reactivity and Inhibits Tumor Growth and Angiogenesis In Vivo. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5810-5814.	7.2	128
9	Selective Ag(I) Binding, H <sub>2</sub> S Sensing, and White-Light Emission from an Easy-to-Make Porous Conjugated Polymer. <i>Journal of the American Chemical Society</i> , 2014, 136, 2818-2824.	6.6	117
10	Strongly Phosphorescent Palladium(II) Complexes of Tetradentate Ligands with Mixed Oxygen, Carbon, and Nitrogen Donor Atoms: Photophysics, Photochemistry, and Applications. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11775-11779.	7.2	100
11	A Theoretical Investigation into the Luminescent Properties of d <sup>8</sup> -Transition-Metal Complexes with Tetradentate Schiff Base Ligands. <i>Chemistry - A European Journal</i> , 2014, 20, 6433-6443.	1.7	80
12	Efficient acceptorless photo-dehydrogenation of alcohols and N-heterocycles with binuclear platinum diphosphite complexes. <i>Chemical Science</i> , 2019, 10, 4883-4889.	3.7	77
13	The Metal-Metal Ligand Charge Transfer Excited State and Supramolecular Polymerization of Luminescent Pincer Pd(II)-Isocyanide Complexes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 3089-3093.	7.2	75
14	Controlling Metallophilic Interactions in Chiral Gold(I) Double Salts towards Excitation Wavelength-Tunable Circularly Polarized Luminescence. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6915-6922.	7.2	71
15	Tetradentate Gold(III) Complexes as Thermally Activated Delayed Fluorescence (TADF) Emitters: Microwave-Assisted Synthesis and High-Performance OLEDs with Long Operational Lifetime. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6375-6382.	7.2	68
16	Controlled Synthesis of PdII and PtII Supramolecular Copolymer with Sequential Multiblock and Amplified Phosphorescence. <i>CheM</i> , 2020, 6, 945-967.	5.8	67
17	Luminescent platinum(II) complexes with functionalized N-heterocyclic carbene or diphosphine selectively probe mismatched and abasic DNA. <i>Nature Communications</i> , 2016, 7, 10655.	5.8	66
18	The interplay between fluorescence and phosphorescence with luminescent gold(I) and gold(III) complexes bearing heterocyclic arylacetylide ligands. <i>Chemical Science</i> , 2017, 8, 2352-2364.	3.7	64

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19	Water oxidation catalysed by iron complex of <i>N,N</i> -dimethyl-2,11-diaza[3,3](2,6)pyridinophane. Spectroscopy of iron-oxo intermediates and density functional theory calculations. <i>Chemical Science</i> , 2015, 6, 5891-5903.	3.7	63
20	Thermally Stable Donor-Acceptor Type (Alkynyl)Gold(III) TADF Emitters Achieved EQEs and Luminance of up to 23.4% and 70 300 cd m <sup>-2</sup> in Vacuum-Deposited OLEDs. <i>Advanced Science</i> , 2019, 6, 1802297.	5.6	60
21	The effects of chelating N <sub>4</sub> ligand coordination on Co(II)-catalysed photochemical conversion of CO <sub>2</sub> to CO: reaction mechanism and DFT calculations. <i>Catalysis Science and Technology</i> , 2016, 6, 7408-7420.	2.1	59
22	Counteranion- and Solvent-Mediated Chirality Transfer in the Supramolecular Polymerization of Luminescent Platinum(II) Complexes. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17189-17193.	7.2	55
23	Water-Soluble Luminescent Cyclometalated Gold(III) Complexes with <i>cis</i> -Chelating Bis(N-heterocyclic Carbene) Ligands: Synthesis and Photophysical Properties. <i>Chemistry - A European Journal</i> , 2014, 20, 8604-8614.	1.7	53
24	Visible-Light-Promoted Transition-Metal-Free Phosphinylation of Heteroaryl Halides in the Presence of Potassium <i>tert</i> -Butoxide. <i>Organic Letters</i> , 2018, 20, 7816-7820.	2.4	53
25	Metal-organic framework composites with luminescent gold(III) complexes. Strongly emissive and long-lived excited states in open air and photo-catalysis. <i>Chemical Science</i> , 2015, 6, 7105-7111.	3.7	51
26	Luminescent Tungsten(VI) Complexes: Photophysics and Applicability to Organic Light-Emitting Diodes and Photocatalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 133-137.	7.2	49
27	Iron porphyrin catalysed light driven C-H bond amination and alkene aziridination with organic azides. <i>Chemical Science</i> , 2020, 11, 4680-4686.	3.7	48
28	Strong metal-metal Pauli repulsion leads to repulsive metallophilicity in closed-shell d <sup>8</sup> and d <sup>10</sup> organometallic complexes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	45
29	Luminescent Palladium(II) Complexes with Extended Cyclometalated [R <sub>1</sub> C <sup>N</sup> NiR <sub>2</sub> ] and Pentafluorophenylacetylidyde Ligands: Spectroscopic, Photophysical, and Photochemical Properties. <i>Chemistry - an Asian Journal</i> , 2014, 9, 534-545.	1.7	44
30	Luminescent Cyclometalated Gold(III) Alkyl Complexes: Photophysical and Photochemical Properties. <i>Inorganic Chemistry</i> , 2017, 56, 5046-5059.	1.9	40
31	Highly Luminescent Pincer Gold(III) Aryl Emitters: Thermally Activated Delayed Fluorescence and Solution-Processed OLEDs. <i>Angewandte Chemie</i> , 2017, 129, 14224-14229.	1.6	38
32	Recent Advances in Metal-TADF Emitters and Their Application in Organic Light-Emitting Diodes. <i>Frontiers in Chemistry</i> , 2020, 8, 653.	1.8	38
33	High-Performance Deep-Red/Near-Infrared OLEDs with Tetradentate [Pt(O <sup>+</sup> N <sup>+</sup> C <sup>+</sup> N)] Emitters. <i>Advanced Optical Materials</i> , 2019, 7, 1801452.	3.6	37
34	Recent Advances in Metal Triplet Emitters with d <sub>6</sub> , d <sub>8</sub> , and d <sub>10</sub> Electronic Configurations. <i>Trends in Chemistry</i> , 2020, 2, 796-812.	4.4	37
35	Metal-organic framework composites with luminescent pincer platinum(II) complexes: <sup>3</sup> MMLCT emission and photoinduced dehydrogenation catalysis. <i>Chemical Science</i> , 2018, 9, 2357-2364.	3.7	36
36	Stable, High-Efficiency Voltage-Dependent Color-Tunable Organic Light-Emitting Diodes with a Single Tetradentate Platinum(II) Emitter Having Long Operational Lifetime. <i>Advanced Materials</i> , 2021, 33, e2004873.	11.1	36

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37	Deciphering Photoluminescence Dynamics and Reactivity of the Luminescent Metal–Metal Bonded Excited State of a Binuclear Gold(I) Phosphine Complex Containing Open Coordination Sites. <i>Chemistry - A European Journal</i> , 2015, 21, 13888-13893.	1.7	35
38	Luminescent tungsten(VI) complexes as photocatalysts for light-driven C–C and C–B bond formation reactions. <i>Chemical Science</i> , 2020, 11, 6370-6382.	3.7	33
39	Palladium(II) Acetylide Complexes with Pincer-Type Ligands: Photophysical Properties, Intermolecular Interactions, and Phototoxicity. <i>Chemistry - an Asian Journal</i> , 2017, 12, 145-158.	1.7	29
40	Light-induced catalytic and cytotoxic properties of phosphorescent transition metal compounds with a d <sup>8</sup> electronic configuration. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120126.	1.6	27
41	High-Efficiency Solution-Processed Organic Light-Emitting Diodes with Tetradentate Platinum(II) Emitters. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 45161-45170.	4.0	27
42	Highly Efficient Thermally Activated Delayed Fluorescence from Pyrazine-Fused Carbene Au(I) Emitters. <i>Chemistry - A European Journal</i> , 2021, 27, 17834-17842.	1.7	27
43	The Metal–Metal Ligand Charge Transfer Excited State and Supramolecular Polymerization of Luminescent Pincer Pd(II)-Isocyanide Complexes. <i>Angewandte Chemie</i> , 2018, 130, 3143-3147.	1.6	24
44	A macromolecular cyclometalated gold(III) amphiphile displays long-lived emissive excited state in water: self-assembly and in vitro photo-toxicity. <i>Chemical Communications</i> , 2016, 52, 13273-13276.	2.2	22
45	Controlling Metallophilic Interactions in Chiral Gold(I) Double Salts towards Excitation Wavelength-Tunable Circularly Polarized Luminescence. <i>Angewandte Chemie</i> , 2020, 132, 6982-6989.	1.6	20
46	Conformational Engineering of Two-Coordinate Gold(I) Complexes: Regulation of Excited-State Dynamics for Efficient Delayed Fluorescence. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 13539-13549.	4.0	20
47	Tetradentate Gold(III) Complexes as Thermally Activated Delayed Fluorescence (TADF) Emitters: Microwave-Assisted Synthesis and High-Performance OLEDs with Long Operational Lifetime. <i>Angewandte Chemie</i> , 2020, 132, 6437-6444.	1.6	18
48	Direct photo-induced reductive Heck cyclization of indoles for the efficient preparation of polycyclic indolinyll compounds. <i>Chemical Science</i> , 2021, 12, 14050-14058.	3.7	14
49	Luminescent Tungsten(VI) Complexes: Photophysics and Applicability to Organic Light-Emitting Diodes and Photocatalysis. <i>Angewandte Chemie</i> , 2017, 129, 139-143.	1.6	13
50	Organoplatinum(II) Complexes with Chromophore-Acceptor Dyad Studied by Ultrafast Time-Resolved Absorption Spectroscopy. <i>Chemistry - an Asian Journal</i> , 2010, 5, 60-65.	1.7	11
51	Counteranion- and Solvent-Mediated Chirality Transfer in the Supramolecular Polymerization of Luminescent Platinum(II) Complexes. <i>Angewandte Chemie</i> , 2018, 130, 17435-17439.	1.6	9
52	C–H Activation by an Iron-Nitrido Bis-Pocket Porphyrin Species. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 4796-4803.	7.2	8
53	Self-Assembly of Molecular Trefoil Knots Featuring Pentadecanuclear Homoleptic Au <sup>I</sup> ; Au <sup>I</sup> /Ag <sup>I</sup> ; or Au <sup>I</sup> /Cu <sup>I</sup> Alkynyl Coordination. <i>Angewandte Chemie</i> , 0, , .	1.6	5
54	Luminescent Platinum(II) Complexes with Bidentate Diacetylide Ligands: Structures, Photophysical Properties and Application Studies. <i>Chemistry - an Asian Journal</i> , 2021, 16, 2978-2992.	1.7	4

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55	Oxidative C-O bond cleavage of dihydroxybenzenes and conversion of coordinated cyanide to carbonyl by a luminescent Os(VI) cyanonitrido complex. <i>Chemical Communications</i> , 0, , .	2.2	3
56	Cyclometalated Iron and Ruthenium Complexes Supported by a Tetradentate Ligand Scaffold with Mixed O, N, and C Donor Atoms: Synthesis, Structures, and Excited-State Properties. <i>Organometallics</i> , 0, , .	1.1	2
57	C <sup>α</sup> H Activation by an Iron <sup>II</sup> -Nitrido Bis <sup>π</sup> -Pocket Porphyrin Species. <i>Angewandte Chemie</i> , 2021, 133, 4846-4853. 1.6	1.6	1
58	Innenr <sup>1</sup> / <sub>4</sub> cktitelbild: The Metal <sup>II</sup> -Metal <sup>II</sup> -to <sup>π</sup> -Ligand Charge Transfer Excited State and Supramolecular Polymerization of Luminescent Pincer Pd <sup>II</sup> /Ag <sup>II</sup> -Isocyanide Complexes ( <i>Angew. Chem.</i> 12/2018). <i>Angewandte Chemie</i> , 2018, 130, 3319-3319. 1.6	1.6	0
59	Innenr <sup>1</sup> / <sub>4</sub> cktitelbild: Tetradentate Gold(III) Complexes as Thermally Activated Delayed Fluorescence (TADF) Emitters: Microwave <sup>II</sup> -Assisted Synthesis and High <sup>II</sup> -Performance OLEDs with Long Operational Lifetime ( <i>Angew. Chem.</i> 16/2020). <i>Angewandte Chemie</i> , 2020, 132, 6693-6693. 1.6	1.6	0
60	Innenr <sup>1</sup> / <sub>4</sub> cktitelbild: Self <sup>II</sup> -Assembly of Molecular Trefoil Knots Featuring Pentadecanuclear Homoleptic Au <sup>I</sup> , Au <sup>I</sup> /Ag <sup>I</sup> , or Au <sup>I</sup> /Cu <sup>I</sup> -Alkynyl Coordination ( <i>Angew. Chem.</i> 21/2022). <i>Angewandte Chemie</i> , 2022, 134, . 1.6	1.6	0