

# Michael C W Chan

## List of Publications by Year in descending order

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60  
papers

4,659  
citations

136950

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67  
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times ranked

4077  
citing authors

#	ARTICLE	IF	CITATIONS
1	Saccharide-Functionalized Poly(Zn-salphen)- <i>m</i> - and <i>p</i> -phenyleneethynylene)s as Dynamic Helical Metallopolymers. <i>Angewandte Chemie - International Edition</i> , 2021, , .	13.8	1
2	Group 4 Post-Metallocenes Supported by [O <sup>2</sup> CH <sub>2</sub> ] <sup>N,C</sup> ( <i>f</i> -aryl)] Auxiliaries Bearing a Seven-Membered Metallacycle: Synthesis, Characterization, and Catalysts for Olefin Polymerization. <i>Organometallics</i> , 2019, 38, 2963-2971.	2.3	5
3	Olefin Polymerization Reactivity of Group 4 Post-Metallocene Catalysts Bearing a Four-Membered C(sp <sup>3</sup> )-Donor Chelate Ring. <i>ChemCatChem</i> , 2019, 11, 628-635.	3.7	5
4	Mitochondria-targeted platinum( <i>ii</i> ) complexes: dual inhibitory activities on tumor cell proliferation and migration/invasion via intracellular trafficking of $\beta$ -catenin. <i>Metallomics</i> , 2017, 9, 726-733.	2.4	28
5	Poly(Zn-salphen)- <i>p</i> -phenyleneethynylene)s as Dynamic Helical Metallopolymers: Luminescent Properties and Conformational Behavior. <i>Macromolecules</i> , 2017, 50, 6896-6902.	4.8	13
6	Multifaceted chelating $\beta$ -( <i>f</i> -antifacial)-(cis-C <sub>4</sub> R <sub>2</sub> H <sub>2</sub> ) coordination motif in binuclear complexes. <i>Chemical Communications</i> , 2016, 52, 11056-11059.	4.1	5
7	Topologically diverse shape-persistent bis-(Zn-salphen) catalysts: efficient cyclic carbonate formation under mild conditions. <i>Chemical Communications</i> , 2016, 52, 1017-1020.	4.1	56
8	Chelating <i>f</i> -Aryl Post-Metallocenes: Probing Intramolecular [C <sup>H</sup> ...F <sup>C</sup> ] Interactions and Unusual Reaction Pathways. <i>Accounts of Chemical Research</i> , 2015, 48, 1580-1590.	15.6	29
9	Synthesis and spectroscopic characterization of group 4 post-metallocenes bearing ( <i>f</i> -aryl)-2-phenolate-6-pyridyl and -isoquinoliny auxiliaries. <i>Dalton Transactions</i> , 2015, 44, 15905-15913.	3.3	4
10	Attractive interactions in olefin polymerization mediated by post-metallocene catalysts with fluorine-containing ancillary ligands. <i>Catalysis Science and Technology</i> , 2014, 4, 599-610.	4.1	40
11	Luminescent oligo(ethylene glycol)-functionalized cyclometalated platinum(ii) complexes: cellular characterization and mitochondria-specific localization. <i>Chemical Communications</i> , 2014, 50, 1711.	4.1	23
12	Olefin Polymerization Behavior of Titanium(IV) Pyridine-2-phenolate-6-( <i>f</i> -aryl) Catalysts: Impact of $\alpha$ -Cy-Adjacent- and Phenolate Substituents. <i>Organometallics</i> , 2013, 32, 449-459.	2.3	17
13	Crowded Bis-(M-salphen) [M = Pt(II), Zn(II)] Coordination Architectures: Luminescent Properties and Ion-Selective Responses. <i>Inorganic Chemistry</i> , 2013, 52, 7114-7124.	4.0	46
14	Shape-Persistent (Pt-salphen) <sub>2</sub> Phosphorescent Coordination Frameworks: Structural Insights and Selective Perturbations. <i>Chemistry - A European Journal</i> , 2013, 19, 8937-8947.	3.3	33
15	Highly Fluorinated ( <i>f</i> -Aryl)-Chelating Titanium(IV) Post-Metallocene: Characterization and Scalar [C <sup>H</sup> ...F <sup>C</sup> ] Coupling. <i>Organometallics</i> , 2012, 31, 5274-5281.	2.3	21
16	Scalar Coupling Across [C <sub>i</sub> H <sub>1</sub> ...F <sub>i</sub> C] Interactions in ( <i>f</i> -Aryl)-Chelating Post-Metallocenes. <i>Chemistry - A European Journal</i> , 2012, 18, 565-573.	3.3	30
17	Effects of the [OC <sub>6</sub> F <sub>5</sub> ] moiety upon structural geometry: crystal structures of half-sandwich tantalum(V) aryloxide complexes from reaction of Cp <sup>*</sup> Ta(N <sup>+</sup> ) <sub>1</sub> ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.8	4
18	Bis( $\beta$ -2-tert-butylphenylimido-1,2-N,N)chlorido-2 <sup>+</sup> Cl-(diethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 67 Td (ether-1 <sup>o</sup> O)(2 <sup>+</sup> -5-pentamethyl) Structure Reports Online, 2011, 67, m688-m689.	0.2	1

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19	Alternating Poly(Pt-salphen)-phenyleneethynylene) as Phosphorescent Conjugated Linear and Coilable Sensory Materials. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1965-1969.	3.9	29
20	Congested Cyclometalated Platinum(II) Ditopic Frameworks and Their Phosphorescent Responses to S-Containing Amino Acids. <i>Organometallics</i> , 2010, 29, 6377-6383.	2.3	18
21	Shape-Persistent Binuclear Cyclometalated Platinum(II) Luminophores: Pushing $\pi$ -Mediated Excimeric Fluid Emissions into the NIR Region and Ion-Induced Perturbations. <i>Chemistry - A European Journal</i> , 2009, 15, 12585-12588.	3.3	40
22	Indirect Substituent Effects upon the Olefin Polymerization Reactivity of Titanium(IV) Chelating $\beta$ -Aryl Catalysts. <i>Organometallics</i> , 2009, 28, 5877-5882.	2.3	24
23	Influenza H5N1 virus infection of polarized human alveolar epithelial cells and lung microvascular endothelial cells. <i>Respiratory Research</i> , 2009, 10, 102.	3.6	99
24	Synthesis and spectroscopic properties of modular platinum(II) terpyridine phosphorescent pockets. <i>Dalton Transactions</i> , 2009, , 4741.	3.3	10
25	Axially rotating (Pt-salphen) <sub>2</sub> phosphorescent coordination frameworks. <i>Chemical Communications</i> , 2009, , 6189.	4.1	33
26	Weak Attractive Ligand-Polymer and Related Interactions in Catalysis and Reactivity: Impact, Applications, and Modeling. <i>Chemistry - an Asian Journal</i> , 2008, 3, 18-27.	3.3	47
27	Platinum(II) Schiff base as versatile phosphorescent core component in conjugated oligo(phenylene-ethynylene)s. <i>Dalton Transactions</i> , 2008, , 1412-1414.	3.3	26
28	Synthetic Models of Weak Attractive Ligand-Polymer Interactions in Olefin Polymerization Catalysts. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1845-1852.	2.2	10
29	Cyclometalated group 4 complexes supported by tridentate pyridine-2-phenolate-6-( $\beta$ -aryl) ligands: Catalysts for ethylene polymerization and comparisons with fluorinated analogues. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4750-4759.	1.8	26
30	Synthesis, Structures, and Olefin Polymerization Characteristics of Group 4 Catalysts [Zr{(OAr) <sub>2</sub> py}Cl <sub>2</sub> (D)] (D = O-Donors, Cl[HPR3]) Supported by Tridentate Pyridine-2,6-bis(aryloxy) Ligands. <i>Organometallics</i> , 2006, 25, 785-792.	2.3	42
31	Neutron and X-ray Diffraction and Spectroscopic Investigations of Intramolecular [C <sub>1</sub> H <sub>2</sub> ... $\pi$ ...F <sub>1</sub> C] Contacts in Post-Metallocene Polyolefin Catalysts: Modeling Weak Attractive Polymer-Ligand Interactions. <i>Chemistry - A European Journal</i> , 2006, 12, 2607-2619.	3.3	82
32	Probing Ruthenium <sup>II</sup> -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> , 2005, 127, 13997-14007.	13.7	58
33	Ruthenium(II) $\beta$ -Acetylide and Carbene Complexes Supported by the Terpyridine-Bipyridine Ligand Set: Structural, Spectroscopic, and Photochemical Studies. <i>Organometallics</i> , 2004, 23, 2263-2272.	2.3	29
34	Probing the Ruthenium <sup>II</sup> -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> , 2004, 126, 2501-2514.	13.7	44
35	Structural and Spectroscopic Studies on Pt <sup>II</sup> -Pt and $\pi$ - $\pi$ Interactions in Luminescent Multinuclear Cyclometalated Platinum(II) Homologues Tethered by Oligophosphine Auxiliaries. <i>Journal of the American Chemical Society</i> , 2004, 126, 7639-7651.	13.7	289
36	Light-Emitting Tridentate Cyclometalated Platinum(II) Complexes Containing $\beta$ -Alkynyl Auxiliaries: Tuning of Photo- and Electrophosphorescence. <i>Journal of the American Chemical Society</i> , 2004, 126, 4958-4971.	13.7	587

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37	Tetradentate Schiff base platinum(II) complexes as new class of phosphorescent materials for high-efficiency and white-light electroluminescent devices Electronic supplementary information (ESI) available: synthesis and spectroscopic, thermal (TGA), photophysical, electrochemical and EL characterization; CIF. See <a href="http://www.rsc.org/suppdata/cc/b4/b402318h/">http://www.rsc.org/suppdata/cc/b4/b402318h/</a> . <i>Chemical Communications</i> , 2004, , 1484.	4.1	221
38	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 1666-1670.	2.0	33
39	Structural Basis for Vapoluminescent Organoplatinum Materials Derived from Noncovalent Interactions as Recognition Components. <i>Chemistry - A European Journal</i> , 2003, 9, 6155-6166.	3.3	166
40	Structural, Photophysical, and Electrophosphorescent Properties of Platinum(II) Complexes Supported by Tetradentate N2O2 Chelates. <i>Chemistry - A European Journal</i> , 2003, 9, 1263-1272.	3.3	106
41	Observation of Intramolecular C $\pi$ -H $\cdots$ F $\pi$ C Contacts in Non-Metallocene Polyolefin Catalysts: Model for Weak Attractive Interactions between Polymer Chain and Noninnocent Ligand. <i>Angewandte Chemie International Edition</i> , 2003, 42, 1628-1632.	13.8	116
42	[meso-Tetrakis(pentafluorophenyl)porphyrinato]platinum(II) as an efficient, oxidation-resistant red phosphor: spectroscopic properties and applications in organic light-emitting diodes Electronic supplementary information available: details of photoluminescence measurements, transient absorption spectra of PtF20TPP, photophysical properties of PtF20TPP in different solvents, EL spectra and performances of OLEDs using PtF20TPP as emitters at various doping levels and crystallographic data for PtF20TPP. See <a href="http://www.rsc.org/suppdata/cc/b4/b402318h/">ht</a> . <i>Journal of Materials Chemistry</i> , 2003, 13, 1362.	6.7	66
43	Surprising activity for Group 4 polyolefin catalysts [M{(OAr) $_2$ py}Cl $_2$ (thf)] (M = Zr, Ti) bearing tridentate pyridine-2,6-bis(aryloxy) ligands. <i>Dalton Transactions RSC</i> , 2002, , 3085.	2.3	49
44	Organic Triplet Emissions of Arylacetylde Moieties Harnessed through Coordination to [Au(PCy $_3$ ) $_3$ ] $^+$ . Effect of Molecular Structure upon Photoluminescent Properties. <i>Journal of the American Chemical Society</i> , 2002, 124, 14696-14706.	13.7	204
45	[(C $_6$ H $_4$ N) $_2$ PE(C $_6$ H $_4$ N) $_2$ ] (HC $_6$ H $_4$ N = 6-aryl-2,2'-bipyridine, n = 1 $\times$ 4, R = aryl, SiMe $_3$ ) as a new class of light-emitting materials and their applications in electrophosphorescent devices Electronic supplementary information (ESI) available: General experimental procedure, analytical and spectral characterizations, OLED fabrication and performance. See <a href="http://www.rsc.org/suppdata/cc/b4/b402318h/">http://www.rsc.org/suppdata/cc/b4/b402318h/</a> . <i>Chemical Communications</i> , 2002, , 206-207.	4.1	163
46	Palladium(II) and Platinum(II) Analogues of Luminescent Diimine Triangulo Complexes Supported by Triply Bridging Sulfide Ligands: A Structural and Spectroscopic Comparisons. <i>Inorganic Chemistry</i> , 2001, 40, 6699-6704.	4.0	65
47	$\pi$ - $\pi$ Interactions in Organometallic Systems. Crystal Structures and Spectroscopic Properties of Luminescent Mono-, Bi-, and Trinuclear Trans-cyclometalated Platinum(II) Complexes Derived from 2,6-Diphenylpyridine. <i>Organometallics</i> , 2001, 20, 2477-2486.	2.3	219
48	Organic Light-Emitting Materials Based on Bis(arylacetylde)platinum(II) Complexes Bearing Substituted Bipyridine and Phenanthroline Ligands: Photo- and Electroluminescence from 3MLCT Excited States. <i>Chemistry - A European Journal</i> , 2001, 7, 4180-4190.	3.3	355
49	Luminescent Mononuclear and Binuclear Cyclometalated Palladium(II) Complexes of 6-Phenyl-2,2'-bipyridines: A Spectroscopic and Structural Comparisons with Platinum(II) Analogues 1,2. <i>Inorganic Chemistry</i> , 2000, 39, 255-262.	4.0	166
50	Stoichiometric and Catalytic Oxidations of Alkanes and Alcohols Mediated by Highly Oxidizing Ruthenium $^{\text{IV}}$ Oxo Complexes Bearing 6,6'-Dichloro-2,2'-bipyridine. <i>Journal of Organic Chemistry</i> , 2000, 65, 7996-8000.	3.2	70
51	Molecular rods based on a ruthenium(II) macrocyclic bis(acetylde) building block. <i>Chemical Communications</i> , 2000, , 1259-1260.	4.1	15
52	Spectroscopic Evidence for Argentophilicity in Structurally Characterized Luminescent Binuclear Silver(I) Complexes. <i>Journal of the American Chemical Society</i> , 2000, 122, 2464-2468.	13.7	341
53	Spectroscopic Properties of Luminescent Platinum(II) Complexes Containing 4,4'-bis(tert-butyl)-2,2'-bipyridine (tBu $_3$ tpy). Crystal Structures of [Pt(tBu $_3$ tpy) $_2$ ]ClO $_4$ and [Pt(tBu $_3$ tpy){CH $_2$ C(O)Me}]ClO $_4$ . <i>Inorganic Chemistry</i> , 1999, 38, 4262-4267.		
54	Synthetic, structural and electrochemical studies of cationic chromium(VI) and molybdenum(VI) bis(imido) complexes supported by 1,4,7-triazacyclononane macrocycles. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3197-3201.	1.1	15

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55	Synthesis of Organoplatinum Oligomers by Employing N-Donor Bridges with Predesigned Geometry:Â Structural and Photophysical Properties of Luminescent Cyclometalated Platinum(II) Macrocycles. Organometallics, 1999, 18, 3991-3997.	2.3	85
56	Half-sandwich imido complexes of niobium bearing alkyne, benzyne and benzylidene ligands: relatives of the zirconocene family. Journal of the Chemical Society Dalton Transactions, 1998, , 103-112.	1.1	32
57	Polystyrene supports for vanadium ethylene polymerisation catalysts. Chemical Communications, 1998, , 1673-1674.	4.1	65
58	Novel ¼-methyl complexes of vanadium and their relevance to bimolecular deactivation of homogeneous imidovanadium polymerisation catalysts. Chemical Communications, 1997, , 2345-2346.	4.1	62
59	Rhenium(VI) Benzylidyne Complexes, Re(â®C-2,4,6-C6H2Me3)(PPh3)(H2O)X3 (X = Cl and Br):â€ Crystal Structure and Spectroscopic Properties. Inorganic Chemistry, 1997, 36, 6437-6439.	4.0	21
60	Saccharideâ€Functionalized Poly(Znâ€salphen)â€alt â€( m â€and pâ€phenyleneethynylene)s as Dynamic Helical Metallopolymers. Angewandte Chemie, 0, , .	2.0	0