

Michael C W Chan

List of Publications by Year in descending order

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4077
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#	ARTICLE	IF	CITATIONS
1	Light-Emitting Tridentate Cyclometalated Platinum(II) Complexes Containing β -Alkynyl Auxiliaries: Tuning of Photo- and Electrophosphorescence. <i>Journal of the American Chemical Society</i> , 2004, 126, 4958-4971.	13.7	587
2	Organic Light-Emitting Materials Based on Bis(arylacetylide)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
3	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
4	Structural and Spectroscopic Studies on Pt \cdots Pt and $\pi\cdots\pi$ 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
5	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 http://www.rsc.org/suppdata/cc/b4/b402318h/ . <i>Chemical Communications</i> , 2004, 1484.	4.1	221
6	$\pi\cdots\pi$ 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
7	Organic Triplet Emissions of Arylacetylide Moieties Harnessed through Coordination to [Au(PCy3)] $^+$. Effect of Molecular Structure upon Photoluminescent Properties. <i>Journal of the American Chemical Society</i> , 2002, 124, 14696-14706.	13.7	204
8	Spectroscopic Properties of Luminescent Platinum(II) Complexes Containing 4,4'-di-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.	4.0	166
9	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
10	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
11	[(C $_6$ H $_5$) $_2$ N]Pt(Ci $_2$ C $_2$ N $_2$ R) (HC $_6$ H $_5$ N = 6-aryl-2,2'-bipyridine, n = 1-4, 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 http://www.rsc.org/suppdata/cc/b1/b106793b/ . <i>Chemical Communications</i> , 2002, 206-207.	4.1	163
12	Observation of Intramolecular C \cdots F \cdots 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
13	Structural, Photophysical, and Electrophosphorescent Properties of Platinum(II) Complexes Supported by Tetradentate N $_2$ O $_2$ Chelates. <i>Chemistry - A European Journal</i> , 2003, 9, 1263-1272.	3.3	106
14	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
15	Synthesis of Organoplatinum Oligomers by Employing N-Donor Bridges with Predesigned Geometry: A Structural and Photophysical Properties of Luminescent Cyclometalated Platinum(II) Macrocycles. <i>Organometallics</i> , 1999, 18, 3991-3997.	2.3	85
16	Neutron and X-ray Diffraction and Spectroscopic Investigations of Intramolecular [C \cdots F \cdots 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
17	Stoichiometric and Catalytic Oxidations of Alkanes and Alcohols Mediated by Highly Oxidizing Ruthenium(IV) Oxo Complexes Bearing 6,6'-Dichloro-2,2'-bipyridine. <i>Journal of Organic Chemistry</i> , 2000, 65, 7996-8000.	3.2	70
18	[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 PtF2OTPP, photophysical properties of PtF2OTPP in different solvents, EL spectra and performances of OLEDs using PtF2OTPP as emitters at various doping levels and crystallographic data for PtF2OTPP. See ht. <i>Journal of Materials Chemistry</i> , 2003, 13, 1362.	6.7	66

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19	Polystyrene supports for vanadium ethylene polymerisation catalysts. <i>Chemical Communications</i> , 1998, , 1673-1674.	4.1	65
20	Palladium(II) and Platinum(II) Analogues of Luminescent DiimineTrianguloComplexes Supported by Triply Bridging Sulfide Ligands:Â Structural and Spectroscopic Comparisons. <i>Inorganic Chemistry</i> , 2001, 40, 6699-6704.	4.0	65
21	Novel 1/4-methyl complexes of vanadium and their relevance to bimolecular deactivation of homogeneous imidovanadium polymerisation catalysts. <i>Chemical Communications</i> , 1997, , 2345-2346.	4.1	62
22	Probing Rutheniumâ~Acetylide Bonding Interactions:Â Synthesis, Electrochemistry, and Spectroscopic Studies of Acetylideâ~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
23	Topologically diverse shape-persistent bis-(Znâ€salphen) catalysts: efficient cyclic carbonate formation under mild conditions. <i>Chemical Communications</i> , 2016, 52, 1017-1020.	4.1	56
24	Surprising activity for Group 4 polyolefin catalysts [M{(OAr)2py}Cl2(thf)] (M = Zr, Ti) bearing tridentate pyridine-2,6-bis(aryloxy) ligands. <i>Dalton Transactions RSC</i> , 2002, , 3085.	2.3	49
25	Weak Attractive Ligandâ€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
26	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
27	Probing the Rutheniumâ~Cumulene Bonding Interaction:Â Synthesis and Spectroscopic Studies of Vinylideneâ~ and Allenylideneâ~Ruthenium Complexes Supported by Tetradentate Macrocyclic Tertiary Amine and Comparisons with Diphosphine Analogues of Ruthenium and Osmiumâ€. <i>Journal of the American Chemical Society</i> , 2004, 126, 2501-2514.	13.7	44
28	Synthesis, Structures, and Olefin Polymerization Characteristics of Group 4 Catalysts [Zr{(OAr)2py}Cl2(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
29	Shapeâ€Persistent Binuclear Cyclometalated Platinum(II) Luminophores: Pushing Î€Mediated Excimeric Fluid Emissions into the NIR Region and Ionâ€Induced Perturbations. <i>Chemistry - A European Journal</i> , 2009, 15, 12585-12588.	3.3	40
30	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
31	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 1666-1670.	2.0	33
32	Axially rotating (Pt-salphen)2 phosphorescent coordination frameworks. <i>Chemical Communications</i> , 2009, , 6189.	4.1	33
33	Shapeâ€Persistent (Ptâ€salphen)2 Phosphorescent Coordination Frameworks: Structural Insights and Selective Perturbations. <i>Chemistry - A European Journal</i> , 2013, 19, 8937-8947.	3.3	33
34	Half-sandwich imido complexes of niobium bearing alkyne, benzyne and benzylidene ligands: relatives of the zirconocene family. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 103-112.	1.1	32
35	Scalar Coupling Across [Cî;Hâ€...â€...Fî;C] Interactions in (Îfâ€Aryl)â€Chelating Postâ€Metallocenes. <i>Chemistry - A European Journal</i> , 2012, 18, 565-573.	3.3	30
36	Ruthenium(II) Îf-Acetylide and Carbene Complexes Supported by the Terpyridineâ~Bipyridine Ligand Set:Â Structural, Spectroscopic, and Photochemical Studiesâ€. <i>Organometallics</i> , 2004, 23, 2263-2272.	2.3	29

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37	Alternating Poly(Pt-salphen)- <i>p</i> -phenyleneethynylene) as Phosphorescent Conjugated Linear and Coilable Sensory Materials. <i>Macromolecular Rapid Communications</i> , 2010, 31, 1965-1969.	3.9	29
38	Chelating <i>f</i> -Aryl Post-Metallocenes: Probing Intramolecular [C-H...F...C] Interactions and Unusual Reaction Pathways. <i>Accounts of Chemical Research</i> , 2015, 48, 1580-1590.	15.6	29
39	Mitochondria-targeted platinum complexes: dual inhibitory activities on tumor cell proliferation and migration/invasion via intracellular trafficking of β -catenin. <i>Metallomics</i> , 2017, 9, 726-733.	2.4	28
40	Cyclometalated group 4 complexes supported by tridentate pyridine-2-phenolate-6-(<i>f</i> -aryl) ligands: Catalysts for ethylene polymerization and comparisons with fluorinated analogues. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4750-4759.	1.8	26
41	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
42	Indirect Substituent Effects upon the Olefin Polymerization Reactivity of Titanium(IV) Chelating <i>f</i> -Aryl Catalysts. <i>Organometallics</i> , 2009, 28, 5877-5882.	2.3	24
43	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
44	Rhenium(VI) Benzylidyne Complexes, $\text{Re}(\text{C}(\text{C}_2,4,6\text{-C}_6\text{H}_2\text{Me}_3)(\text{PPh}_3)(\text{H}_2\text{O})\text{X}_3$ (X = Cl and Br): Crystal Structure and Spectroscopic Properties. <i>Inorganic Chemistry</i> , 1997, 36, 6437-6439.	4.0	21
45	Highly Fluorinated (<i>f</i> -Aryl)-Chelating Titanium(IV) Post-Metallocene: Characterization and Scalar [C-H...F...C] Coupling. <i>Organometallics</i> , 2012, 31, 5274-5281.	2.3	21
46	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
47	Olefin Polymerization Behavior of Titanium(IV) Pyridine-2-phenolate-6-(<i>f</i> -aryl) Catalysts: Impact of C_{py} -Adjacent and Phenolate Substituents. <i>Organometallics</i> , 2013, 32, 449-459.	2.3	17
48	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
49	Molecular rods based on a ruthenium(II) macrocyclic bis(acetylide) building block. <i>Chemical Communications</i> , 2000, , 1259-1260.	4.1	15
50	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
51	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
52	Synthesis and spectroscopic properties of modular platinum(II) terpyridine phosphorescent pockets. <i>Dalton Transactions</i> , 2009, , 4741.	3.3	10
53	Multifaceted chelating $\text{Pt}(\text{L})_3(\text{L}')_3$ -antifacial)-(cis-C ₄ R ₂ H ₂) coordination motif in binuclear complexes. <i>Chemical Communications</i> , 2016, 52, 11056-11059.	4.1	5
54	Group 4 Post-Metallocenes Supported by [O ² CH ₂ N ₂ C(<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

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55	Olefin Polymerization Reactivity of Group 4 Post-Metallocene Catalysts Bearing a Four-Membered C(sp ³)-Donor Chelate Ring. <i>ChemCatChem</i> , 2019, 11, 628-635.	3.7	5
56	Effects of the [OC ₆ F ₅] moiety upon structural geometry: crystal structures of half-sandwich tantalum(V) aryloxo complexes from reaction of Cp*Ta(N ⁺)Tj ETQqO O O rgBT /Overlock 10 Tf 50 702 Td Section B: Structural Science, 2011, 67, 416-424.	1.8	4
57	Synthesis and spectroscopic characterization of group 4 post-metallocenes bearing (lf-aryl)-2-phenolate-6-pyridyl and -isoquinolinyl auxiliaries. <i>Dalton Transactions</i> , 2015, 44, 15905-15913.	3.3	4
58	Bis(¼-2-tert-butylphenylimido-1:2 ⁺ 2N:N)chlorido-2 ⁺ Cl-(diethyl) Tj ETQqO O O rgBT /Overlock 10 Tf 50 627 Td (ether-1 ⁺ O)(2 ⁺ 5-pentame Structure Reports Online, 2011, 67, m688-m689.	0.2	1
59	Saccharide-Functionalized Poly(Zn-salphen)-alt-(m-and-p-phenyleneethynylene)s as Dynamic Helical Metallopolymers. <i>Angewandte Chemie - International Edition</i> , 2021, , .	13.8	1
60	Saccharide-Functionalized Poly(Zn-salphen)-alt-(m-and-p-phenyleneethynylene)s as Dynamic Helical Metallopolymers. <i>Angewandte Chemie</i> , 0, , .	2.0	0