

# Scientific Publications 2002

1. **“Observation of Low-Energy Metal–Metal-to-Ligand Charge Transfer Absorption and Emission: Electronic Spectroscopy of Cyclometalated Platinum(II) Complexes with Isocyanide Ligands”,** S.W. Lai, H.W. Lam, W. Lu, K.K. Cheung and C.M. Che, *Organometallics*, 2002, 21, 226-234.
2. **“ $[(C\wedge N\wedge N)Pt(C\equiv C)_nR]$  ( $HC\wedge N\wedge N$  = 6-aryl-2,2'-bipyridine,  $n = 1-4$ ,  $R = aryl, SiMe_3$ ) as new class of light-emitting materials and their applications in electrophosphorescent devices”,** W. Lu, B.X. Mi, Michael C.W. Chan, Z. Hui, N.Y. Zhu, S.T. Lee and C.M. Che, *Chemical Communications*, 2002, 206-207.
3. **“Luminescent Tetranuclear Silver(I) Arylacetylide Complexes Bearing Tricyclohexylphosphine Ligands: Synthesis, Molecular Structures and Spectroscopic Comparison with Gold(I) and Copper(I) Arylacetylides”,** Y.Y. Lin, S.W. Lai, C.M. Che, K.K. Cheung and Z.Y. Zhou, *Organometallics*, 2002, 21, 2275-2282.
4. **“The  $3(\pi\pi^*)$  Emission of  $Cy_3PAu(C\equiv C)_nAuPCy_3$  ( $n = 3, 4$ ). Effect of Chain Length upon Acetylenic  $3(\pi\pi^*)$  Emission”,** W. Lu, H.F. Xiang, N. Zhu and C.M. Che, *Organometallics*, 2002, 21, 2343–2346.

5. **“Metal ion enhanced phosphorescence of 2,3-naphtho-10-aza-15-crown-5: A possible molecular photonic operator”**, L.Q. Li, L.P. Zhang, L.Z. Wu, B.J. Wang, C.H. Tung and C.M. Che, *Chinese Journal of Chemistry*, 2002, 20, 135–141.
6. **“PEG-linked luminescent platinum(II) complex as aqueous polymeric molecular light switch for protein binding reactions”**, C.M. Che, J.L. Zhang and L.R. Lin, *Chemical Communications*, 2002, 2556–2557.
7. **“Organic Triplet Emissions of Arylacetylide Moieties Harnessed through Coordination to [Au(PCy3)]<sup>+</sup>. Effect of Molecular Structure upon Photoluminescent Properties”**, H.Y. Chao, W. Lu, Y. Li, Michael C.W. Chan, C.M. Che, K.K. Cheung and N. Zhu, *Journal of the American Chemical Society*, 2002, 124, 14696–14706.