

# Scientific Publications 2003

1. **“Synthesis, Crystal Structure, and Photoluminescent Properties of a Tetracarbonyl(naphthyridylcarbamoyl)rhenium(I) Complex and a Highly Emissive Tetracarbonyl(naphthyridylamido)rhenium(I) Complex”**, J.L. Zuo, W.F. Fu, C.M. Che and K.K. Cheung, *European Journal of Inorganic Chemistry*, 2003, 255–262.
2. **“Luminescent Nitridoosmium(VI) Complexes with Aryl- and Alkylacetylide Ligands: Spectroscopic Properties and Crystal Structures”**, S.W. Lai, T.C. Lau, Wendy K.M. Fung, N. Zhu and C.M. Che, *Organometallics*, 2003, 22, 315–320.
3. **“[*meso*-Tetrakis(pentafluorophenyl)porphyrinato] Platinum(II) as an Efficient, Oxidation-Resistant Red Phosphor: Spectroscopic Properties and Applications in Organic Light-Emitting Diodes”**, C.M. Che, Y.J. Hou, Michael C.W. Chan, J. Guo, Y. Liu and Y. Wang, *Journal of Materials Chemistry*, 2003, 13, 1362–1366.
4. **“Luminescent properties of carbon-rich starburst gold(I) acetylide complexes. Crystal structure of [TEE][Au(PCy<sub>3</sub>)]<sub>4</sub> ([TEE]H<sub>4</sub> = tetraethynylethene)”**, W. Lu, N. Zhu and C.M. Che, *Journal of Organometallic Chemistry*, 2003, 670, 11–16.

5. **“Solvatochromic response imposed by environmental changes in matrix/chromophore entities: luminescent cyclometalated platinum(II) complex in Nafion and silica materials”**, C.M. Che, W.F. Fu, S.W. Lai, Y.J. Hou and Y.L. Liu, *Chemical Communications*, 2003, 118–119.
6. **“Efficient White and Red Light Emission from GaN/tris-(8-hydroxyquinolato) aluminum/platinum(II) *meso*-Tetrakis(pentafluorophenyl) Porphyrin Hybrid Light-Emitting Diodes”**, H.F. Xiang, S.C. Yu, C.M. Che and P.T. Lai, *Applied Physics Letters*, 2003, 83, 1518–1520.
7. **“Self-assembled Electroluminescent Polymers Derived from Terpyridine-Based Moieties”**, S.C. Yu, C.C. Kwok, W.K. Chan and C.M. Che, *Advanced Materials*, 2003, 15, 1643–1647.
8. **“Polymorphic Forms of a Gold(I) Arylacetylide Complex with Contrasting Phosphorescent Characteristics”**, W. Lu, N. Zhu and C.M. Che, *Journal of the American Chemical Society*, 2003, 125, 16081–16088.