

Scientific Publications 2001

1. **“Strongly luminescent metal-organic compounds: spectroscopic properties and crystal structure of substituted 1,8-naphthyridine and its zinc(II) complex”**, C.M. Che, C.W. Wan, K.Y. Ho and Z.Y. Zhou, *New J. Chem.*, 2001, 25, 63–65.
2. **“Luminescent Metal Complexes Derived from Carbene and Related Ligands: Tuning Excited-State Properties with Metal-Carbon Multiple Bonds”**, S.W. Lai, Michael C.W. Chan, Y. Wang, H.W. Lam, S.M. Peng and C.M. Che, *J. Organomet. Chem.*, 2001, 617–618, 133–140.
3. **“Highly Luminous Substituted Bipyrrroles”**, C.M. Che, C.W. Wan, W.Z. Lin, W.Y. Yu, Z.Y. Zhou, W.Y. Lai and S.T. Lee, *Chemical Communications*, 2001, 721-722.
4. **“Luminescent μ -Ethynediyl and μ -Butadiynediyl Binuclear Gold(I) Complexes: Observation of 3($\pi\pi^*$) Emissions from Bridging $Cn2$ – Units”**, C.M. Che, H.Y. Chao, Vincent M. Miskowski, Y. Li and K.K. Cheung, *Journal of the American Chemical Society*, 2001, 123, 4985-4991.

5. **“Photoluminescent Metal-Sulfur Clusters Derived from Tetrathiometalates: Metal-to-Metal Charge-Transfer Excited States of d0–d10 Heterobimetallic Sulfido Clusters with Bulky Phosphine Ligands”**, C.M. Che, B.H. Xia, J.S. Huang, C.K. Chan, Z.Y. Zhou and K.K. Cheung, *Chemistry, A European Journal*, 2001, 7, 3998–4006.
6. **“Organic Light-Emitting Materials Based on Bis(arylacetylide) Platinum(II) Complexes Bearing Substituted Bipyridine and Phenanthroline Ligands: Photo- and Electroluminescence from 3MLCT Excited States”**, S.C. Chan, Michael C.W. Chan, Y. Wang, C.M. Che, K.K. Cheung and N. Zhu, *Chemistry, A European Journal*, 2001, 7, 4180–4190.
7. **“Two luminescent 2D layered copper(I)-olefin coordination polymers with high thermal stability”**, J. Zhang, R.G. Xiong, X.T. Chen, C.M. Che, Z. Xue and X.Z. You, *Organometallics*, 2001, 20, 4118–4121.
8. **“Reduction of Self-Quenching Effect in Organic Electrophosphorescence Emitting Devices via the Use of Sterically Hindered Spacers in Phosphorescence Molecules”**, H.Z. Xie, M.W. Liu, O.Y. Wang, X.H. Zhang, C.S. Lee, L.S. Hung, S.T. Lee, P.F. Teng, H.L. Kwong, H. Zheng and C.M. Che, *Advanced Materials*, 2001, 13, 1245–1248.

9. **“Energy transfer from singlet to triplet excited states in organic light-emitting device”,** J. Zhang, S. Kan, Y. Ma, J. Shen, Y. Ma, J. Shen, W. Chan and C. Che, *Synthetic Metals*, 2001, 121, 1723–1724.
10. **“Palladium(II) and Platinum(II) Analogues of Luminescent Diimine *Triangulo* Complexes Supported by Triply-Bridging Sulfide Ligands: Structural and Spectroscopic Comparisons”,** B.C. Tzeng, S.C. Chan, Michael C.W. Chan, C.M. Che, K.K. Cheung and S.M. Peng, *Inorganic Chemistry*, 2001, 40, 6699–6704.
11. **“Luminescence and photocatalytic properties of a platinum(II)-quaterpyridine complex incorporated in Nafion membrane”,** X.H. Li, L.Z. Wu, L.P. Zhang, C.H. Tung and C.M. Che, *Chemical Communications*, 2001, 2280–2281.
12. **“Substrate-Binding Reactions of the $3[d\sigma^*p\sigma]$ Excited State of Binuclear Gold(I) Complexes with Bridging Bis(dicyclohexylphosphino)methane Ligands: Emission and Time-Resolved Absorption Spectroscopic Studies”,** W.F. Fu, K.C. Chan, K.K. Cheung and C.M. Che, *Chemistry, A European Journal*, 2001, 7, 4656–4664.