

Scientific Publications 2011

1. "Spectacular luminescent behaviour of tandem terpyridyl platinum(II) acetylide complexes attributed to solvent effect on ordering of excited states, "ion-pair" formation and molecular conformations", Steven C. F. Kui, Y. C. Law, Glenna S. M. Tong, W. Lu, M. Y. Yuen and C. M. Che, *Chemical Science*, 2011, 2(2), 221-228.
2. "Effects of different annealing gases on pentacene OTFT with HfLaO gate dielectric", L. F. Deng, P. T. Lai, W. B. Chen, J. P. Xu, Y. R. Liu, H. W. Choi and C. M. Che, *IEEE Electron Device Letters*, 2011, 32(1), 93-95.
3. "Single microcrystals of organoplatinum(II) complexes with high charge-carrier mobility", C. M. Che, C. F. Chow, M. Y. Yuen, Roy, V. A. L, W. Lu, Y. Chen, Stephen S. Y. Chui and N. Y. Zhu, *Chemical Science*, 2011, 2(2), 216-220.
4. "Functional Self-Assembled Zinc(II) Coordination Polymers", C. C. Kwok and C. M. Che, *ChemInForm*, 2011, 42(37).

5. “**Bis(5,7-dimethyl-8-hydroxyquinolinato)platinum(II) Complex for Efficient Organic Heterojunction Solar Cells**”, K. H. Low, Z. X. Xu, H. F. Xiang, Dr. Stephen S. Y. Chui, V. A. L. Roy and C. M. Che, *Chemistry – An Asian Journal*, 2011, 6(12), 3223 – 3229.
6. “**Synthesis, Photophysical Properties, and Molecular Aggregation of Gold(I) Complexes Containing Carbon-Donor Ligands**”, Andy L. F. Chow, M.H. So, W. Lu, N. Y. Zhu and C.M. Che, *Chemistry – An Asian Journal*, 2011, 6(2), 544 – 553.
7. “**Luminescent Organoplatinum(II) Complexes with Functionalized Cyclometalated C^NC Ligands: Structures, Photophysical Properties, and Material Applications**”, Steven C. F. Kui, F. F. Hung, S. L. Lai, M. Y. Yuen, C. C. Kwok, K. H. Low, Stephen S. Y. Chui and C.M. Che, *Chemistry – A European Journal*, 2011, 18(1), 96 – 109.