

1. Y. P. Fu\*, C. W. Liu, C. H. Lin and **C. K. Hsieh**, "Effect of TiO<sub>2</sub> ratio on BaO-Nd<sub>2</sub>O<sub>3</sub>-TiO<sub>2</sub> microwave ceramics," *Ceramics International*, vol. 31, no. 5, pp. 667-670, 2005. (SCI, I.F.=1.789)
2. C. Y. Yen, Y. F. Lin, S. H. Liao, C. C. Weng, C. C. Huang, Y. H. Hsiao, C. C. M. Ma\*, M. C. Chang, H. Shao, M. C. Tsai, **C. K. Hsieh**, C. H. Tsai and F. B. Weng, "Preparation and properties of a carbon nanotube-based nanocomposite photoanode for dye-sensitized solar cells," *Nanotechnology*, vol. 19, no. 37, 2008. (SCI, I.F.=3.842)
3. **C. K. Hsieh**, M. C. Tsai, C. Y. Su, S. Y. Wei, M. Y. Yen, C. C. M. Ma, F. R. Chen and C. H. Tsai\*, "A hybrid nanostructure of platinum-nanoparticles/graphitic-nanofibers as a three-dimensional counter electrode in dye-sensitized solar cells," *Chemical Communications*, vol. 47, no. 41, pp. 11528-11530, 2011. (SCI, I.F.=6.378)
4. M. Y. Yen, C. C. Teng, M. C. Hsiao, P. I. Liu, W. P. Chuang, C. C. M. Ma\*, **C. K. Hsieh**, M. C. Tsai and C. H. Tsai, "Platinum nanoparticles/graphene composite catalyst as a novel composite counter electrode for high performance dye-sensitized solar cells," *Journal of Materials Chemistry*, vol. 21, no. 34, pp. 12880-12888, 2011. (SCI, I.F.=6.101)
5. **C. K. Hsieh**, M. C. Tsai, M. Y. Yen, C. Y. Su, K. F. Chen, C. C. M. Ma, F. R. Chen and C. H. Tsai\*, "Direct synthesis of platelet graphitic-nanofibres as a highly porous counter-electrode in dye-sensitized solar cells," *Physical Chemistry Chemical Physics*, vol. 14, no. 12, pp. 4058-4061, 2012. (SCI, I.F.=3.829)
6. S. Y. Wei, S. M. Yu, L. C. Yu, W. C. Sun, **C. K. Hsieh**, T. S. Lin, C. H. Tsai and F. R. Chen\*, "Ultrafast Al(Si)-induced crystallisation process at low temperature," *Crystengcomm*, vol. 14, no. 15, pp. 4967-4971, 2012. (SCI, I.F.=3.879)
7. M. Y. Yen, **C. K. Hsieh**, C. C. Teng, M. C. Hsiao, P. I. Liu, C. C. M. Ma\*, M. C. Tsai, C. H. Tsai, Y. R. Lin and T. Y. Chou, "Metal-free, nitrogen-doped graphene used as a novel catalyst for dye-sensitized solar cell counter electrodes," *Rsc Advances*, vol. 2, no. 7, pp. 2725-2728, 2012. (SCI, I.F.=2.562)
8. L. H. Chang, **C. K. Hsieh**, M. C. Hsiao, J. C. Chiang, P. I. Liu, K. K. Ho, C. C. M. Ma\*, M. Y. Yen, M. C. Tsai and C. H. Tsai, "A graphene-multi-walled carbon nanotube hybrid supported on oxide as a counter electrode of dye-sensitized solar cells," *Journal of Power Sources*, vol. 222, pp. 518-525, 2013. (SCI, I.F.=4.675)
9. M. C. Hsiao, C. C. M. Ma, J. C. Chiang, K. K. Ho, T. Y. Chou, X. F. Xie, C. H. Tsai, L. H. Chang and **C. K. Hsieh\***, "Thermally conductive and electrically insulating epoxy nanocomposites with thermally reduced graphene oxide-silica hybrid nanosheets," *Nanoscale*, vol. 5, no. 13, pp. 5863-5871, 2013. (SCI, I.F.=6.233)
10. S. Y. Wei, H. H. Lin, S. M. Yu, **C. K. Hsieh**, S. C. Tsai, W. C. Sun, T. S. Lin, C. H. Tsai and F. R. Chen\*, "Epitaxial growth of heavily boron-doped Si by Al(B)-induced crystallisation at low temperature for back surface field manufacturing,"

Crystengcomm, vol. 15, no. 9, pp. 1680-1684, 2013. (SCI, I.F.=3.879)

11. K. F. Chen, C. H. Liu, **C. K. Hsieh**, C. L. Lin, H. K. Huang, C. H. Tsai and F. R. Chen\*, "New fabrication process of long-life dye-sensitized solar cells by in situ gelation of quasi-solid polymer electrolytes," Journal of Power Sources, vol. 247, pp. 939-946, 2014. (SCI, I.F.=4.675)

12. Y.H. Wei, C.S. Chen, C.C. M. Ma, C.H. Tsai and **C.K. Hsieh\***, "Electrochemical pulsed deposition of platinum nanoparticles on indium tin oxide/polyethylene terephthalate as a flexible counter electrode for dye-sensitized solar cells," Thin Solid Films, Accept, In Press, 2014. (SCI, I.F.=1.604)

13. C.S. Chen and **C.K. Hsieh\***, "An easy, low-cost method to transfer large-scale graphene onto polyethylene terephthalate as a transparent conductive flexible substrate," Thin Solid Films, Accept, In Press, 2014. (SCI, I.F.=1.604)