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所有發表期刊論文

(A) 期刊論文

1. Kou-Chen Liu*, Jung-Ruey Tsai, Chi-Shiau Li, Po-Hsiu Chien, Jyun-Ning Chen, and Wen-Sheng Feng, “Characteristics of Transparent ZnO Based Thin Film Transistors with High-k Dielectric Gd₂O₃ Gate Insulators Fabricated at Room Temperature”, *Jpn. J. Appl. Phys.*, vol. 49, 04DF21 (2010) .
2. Kow-Ming Chang a, Wen-Hsien Tzeng a, Kou-Chen Liu b,* , Yi-Chun Chan b, Chun-Chih Kuo “Investigation on the abnormal resistive switching induced by ultraviolet light exposure based on HfOx film” *Microelectronics Reliability* (2010, *In Press*)
3. Ting-Hsiang Huang, Zingway Pei*, Wen-Kai Lin, Shu-Tong Chang, and Kou-Chen Liu *Thin Solid Films* 518 (24), p.7381-7384 (2010)., “[Oligomer semiconductor/dielectric interface modification for organic thin film transistor hysteresis reduction](#)”,
4. Kou-Chen Liu*, Wen-Hsien Tzeng, and Kow-Ming Chang “The electrical characteristics of Pt/HfOx/TiN RRAM device impact by plasma effect”, *Surf. Coat. Technol.* (2010, *In Press*)
5. Kou-Chen Liu, Wen-Hsien Tzeng*, Kow-Ming Chang, Yi-Chun Chan, and Chun-Chih Kuo, “Effect of UV-light exposure to HfOx/TiN RRAM device”, *Thin Solid Films* 518 (24), p. 7460-7463 (2010).
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9. Wen-Kai Lin, Chi-Shiau Li, Jung-Ruey Tsai, Shu-Tong Chang and Kou-Chen Liu, “Room temperature fabricated transparent a-IZO based TFT using high- κ HfO₂ as gate insulator”, *Thin solid films*, (Submitted)
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(B) 研討會會議論文

1. Jung-Ruey Tsai, Chi-Shiau Li, Jyun-Ning Chen, Chien-Jung Tseng, Po-Hsiu Chien, Wen-Sheng Feng and Kou-Chen Liu, "Characteristics of Transparent ZnO Based Thin Film Transistors with High-k Dielectric Gd₂O₃ Gate Insulators Fabricated at Room Temperature", International Conference on Solid State Devices and Materials (SSDM), Oct. 7-9(2009), paper no. 5580.
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Gd₂O₃ film and its resistive switching characteristics”, IEEE International NanoElectronics Conference, Jan 3-8, (2010)

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