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Concrete Materials, Fiber Reinforced Composites, Fracture Mechanics

期刊論文 (Journal Paper)

1. Chen, Y.S., M.C. Li, Y.W. Chan, and C.C. Yang, "The Relationship Between Accelerated Migration Time in ACMT and Ponding Time in Ponding Test for Cement-Based Materials," *Journal of Marine Science and Technology*, accepted (2010). (SCI)
2. Chan, Y.W., and M.C. Li, "A Study on the Optimalization of Complex Slag and Fly Ash in Conventional Concrete," *Journal of the Chinese Institute of Civil & Hydraulic Engineering*, accepted (2010). (EI)
3. Chen, Y.J., J.C. Chern, Y.W. Chan, "Reinforced Reactive Powder Concrete Plate under Cyclic Loading," *Journal of the Chinese Institute of Engineers*, Vol. 30, No. 2, pp. 299-310 (2007). (SCI)
4. Chan, Y.W., S.H. Hsieh, and W.T. Chang, "On the rheological Behavior of Self-Compacting Concrete Mortar using Discrete Element Method," *RILEM PRO 54, Self-Compacting Concrete 2007*, Ed. G.D. Schutter and V. Boel, pp. 1129-1134 (2007). (SCI equivalent)
5. Chan, Y.W., and S.H. Chu, "Effect of Silica Fume on Steel Fiber Bond Characteristics in Reactive Powder Concrete," *Cement and Concrete Research*, Vol. 34/7, pp. 1167-1172 (2004). (SCI, EI)
6. Lin, Y.B., J.C. Chern, K.C. Chang, and Y.W. Chan, "Utilization of Fiber Bragg Grating Sensors to Monitor the Performance of High Strength Concrete at Elevated Temperature," *Smart Materials and Structures*, Vol. 13, Issue 4, pp. 784-790 (2004). (SCI)
7. Chan, Y.W., Y.S. Chen, and Y.S. Liu, "Development of Bond Strength of Reinforcement Steel in Self-Consolidating Concrete," *ACI Structural Journal*, Vol. 100, No. 4, July-Aug., pp. 490-498 (2003). (SCI, EI)
8. Chan, Y.W., Y.G. Chen, and Y.S. Liu, "Effect of Consolidation on Bond of Reinforcement in Concrete of Different Workabilities," *ACI Materials Journal*, Vol. 100, No. 4, July-Aug., pp. 294-301 (2003). (SCI, EI)
9. Chan, Y.W., K.X. Chen, and R.B. Cheng, "Bond Characteristics of Deformed Reinforcing Bars in Reactive Powder Concrete," accepted by *Cement and Concrete Composites* (2003). (SCI, EI)

研討會論文 (Conference Papers)

a. 國外會議論文

1. Lim, Ing, J.C. Chern, tony C. Liu, and Y.W. Chan, "Effect of Ground Granulated blast furnace Slag on Mechanical Behavior of PVA-ECC," *The 4th ACF International Conference*, Taipei, Nov. 29-30 (2010).
2. Chan, Y.W., C.C. Yang, Y.S. Chen, and Y.C. Chang, "Prediction Model of Air-Borne Salt Distribution in the Coastal Region of Northern Taiwan," *The 1st International Seminar on Sustainable Infrastructure and Built Environment in Developing Countries*, Bandung, Indonesia, November 2-3 (2009).
3. Chan, Y.W. and J.C. Chern, "Development and Applications of SCC in Taiwan," 2008 KCI-JCI-TCI Symposium on "Assessment of Existing Concrete Structures & Recent Advancements in Concrete Technology," Ilsan, Korea, Nov. 6-8 (2008).
4. Chen, Y.J., J.C. Chern, and Y.W. Chan, "Study of Mechanical Behaviors of the Fiber Reinforced

- Concrete at Elevated Temperatures,” The 3rd ACF International Conference, Ho Chi Minh City, Nov. 11-13 (2008).
5. Chan, Y.W. and J.C. Chern, “Recent Applications of SCC in Taiwan,” *Taiwan Session*, ACI 2008 Fall Convention, St. Louis, USA, November 2-6 (2008).
 6. Chan, Y.W., S.H. Hsieh, and W.T. Chang, “On the rheological Behavior of Self-Compacting Concrete Mortar using Discrete Element Method,” *The 5th International RILEM Symposium on Self-Compacting Concrete*, Ghent, Belgium, Sept. 3-5 (2007).
 7. Chan, Y.W. and M.C. Lee, “Application of Basic Oxygen Furnace Slag in Self-Compacting Concrete – Development and Behavior,” *The 1st International Conference of European Asian Civil Engineering Forum (EACEF)*, Jakarta, Indonesia, Sept. 26-27 (2007).
 8. Chan, Y.W., “Application of Self-Compacting Concrete in Taiwan,” *ACI China Chapter Convention*, Wu Han, China, Jan. 19-20 (2007).
 9. Chan, Y.W. and M.C. Lee, “Application of Basic Oxygen Furnace Slag On Medium Strength Self-Compacting Concrete,” *The 19th KKCNN Symposium on Civil Engineering*, Kyoto, Japan, Dec. 10-12 (2006).
 10. Chan, Y.W. and Y.S. Chen, “Life-cycle consideration for Design and Maintenance of Concrete Structures,” *International Workshop of cSUR* (International Center for Sustainable Urban Regeneration, University of Tokyo), Tokyo, Japan, Nov. 24-25 (2006).

b.國內會議論文

1. 詹穎雯，「氯鹽相關之混凝土耐久性能探討與橋梁設計建議 –以台灣北部沿海區域為例」，氯鹽環境下鋼筋混凝土橋梁之生命週期管理與耐久性設計研討會，國家地震工程研究中心主辦，台北市(2010)。
2. 詹穎雯、李銘智、廖同柏、鄭瑞濱，「應用統計模型於高流動性混凝土之配比研究」，台灣混凝土學會 2009年混凝土工程研討會，台中市 (2009)。
3. 詹穎雯、楊仲家、陳育聖、張永昌，「台灣沿海地區大氣中氯鹽預測模式之研究」，台灣混凝土學會 2009年混凝土工程研討會，台中市 (2009)。
4. 陳振川、詹穎雯、楊仲家、陳育聖、張永昌，「北台灣地區鋼筋混凝土腐蝕劣化受大氣中氯鹽影響之研究」，第九屆中華民國結構工程研討會，高雄市 (2008)。
5. 詹穎雯、李銘智、林暉峰，「應用轉爐石粉於中低強度自充填混凝土」，台灣混凝土學會 2007年混凝土工程研討會，台北市 (2007)。
6. 陳振川、詹穎雯、楊仲家、陳育聖、張永昌、鄔安凱(2007)，「北台灣地區橋梁腐蝕劣化受大氣中氯鹽影響之研究」，台灣混凝土學會 2007年混凝土工程研討會，台北市 (2007)。

其他著作

1. 詹穎雯主編，「水工結構之永續性」，TCI401-001，台灣混凝土學會研討會論文集，139 頁(2008)。
2. 詹穎雯、張大鵬、鄭瑞濱主編，「台灣混凝土學會(TCI)2007年混凝土工程研討會」，論文集(一)(二)，1412 頁(2007)。
3. 詹穎雯主編，「混凝土工程施工規範與解說」，土木 402-94a，中國土木水利工程學會混凝土工程委員會施工規範編審小組審定，中興工程顧問社出版，203 頁 (2007)。