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Porous Media Flow, Fluid Mechanics, Waves In

期刊論文 (Journal Paper)

(A) Published or Accepted Journal Papers

1. Huang, L.H., Lin, M.Y. and Chen, H.W., 2010, Analysis of water waves passing over a permeable dike, Journal of Chinese Institute of Engineers, 33, 845-861. (SCI, EI) [NSC91 – 2611 – E002 - 011] (石延平教授工程論文獎)
2. Lin, M.Y. and Huang, L.H., 2010, Vortex shedding from a submerged rectangular dike attacked by a solitary wave, Journal of Fluid Mechanics, 651, 503-518. (SCI, EI) [NSC92-2611-E002-030], [NSC93-2611-E002-012]
3. Wang, C.H., Huang, L.H. and Lin, M.Y., 2010, Water well resonance induced by preearthquake signals, Journal of Engineering Mechanics, ASCE, 136, 1167 - 1175. (SCI, EI) [NSC95-2211-E002-420]
4. Chien, C. , Huang, L.H. and Chang, Cheng-Wei, 2010, An application of Hilbert-Huang transform to handle terrain data, Journal of the Chinese Institute of Civil and Hydraulic Engineering, Vol. 22, No. 4, 375-386. (EI) (in Chinese)
5. Hsu, H.J. and Huang, L.H., 2011, Oblique water waves impacting on a thin porous wall with a partial-slipping boundary condition, Journal of Hydrodynamics, 23(3), 361-371.(SCI,EI). [NSC92-2611-E002-029]
6. Lin, M.Y. and Huang, L.H., 2012, Numerical simulation of wave-structure interaction using a Lagrangian vortex method, Ocean Engineering, 44:11-22. (SCI, EI) [NSC92-2611-E002-030], [NSC93-2611-E002-012]
7. Chang, K.H., Tsaur, D.H. and Huang, L.H., 2012, Accurate solution to diffraction around a modified V-shaped breakwater, Coastal Engineering 68, 56 – 66. (SCI, EI) [NSC99-2811-E002-109], [NSC99-2221-E002-222]
8. Lin, Men-Yu, Hung, Cheng-Yang, Chang, Cheng-Wei and Huang, Liang-Hsiung, 2013, The application of hydraulic buffer zone in the computation of estuary hydrodynamics, Journal of the Chinese Institute of Civil and Hydraulic Engineering, in press. (EI) [NSC98-2625-M002-004] (in Chinese)
9. Tsai, Whey-Fone, Chang, Che-Hao, Chang, Wen-Yi, Lien, Ho-Chen, Huang, Liang-Hsiung and Lee, Kwan-Tun, 2013, Development of an open shell for

- intergrated flood forecasting with decision supporting information, *Journal of the Chinese Institute of Civil and Hydraulic Engineering*, Vol. 25, No. 3, 211-221. (EI) [NSC98-26 25-M492-002] (in Chinese)
10. Lin, M.Y., Huang, H.M. and Huang, L.H., 2014, Tilting while lifting a large object from a rigid porous seabed, *Journal of Engineering Mechanics*, ASCE, 140, 04014004-1 – 04014004- 12. (SCI, EI) [NSC97-2221-E002-248-MY2]
 11. Chang, K.H., Lin, M.Y. and Huang, L. H., 2014, Modified Lagrangian Vortex Method with Improved Boundary Conditions for Water Waves past a Thin Bottom-standing Barrier, *International Journal for Numerical Methods in Fluids*, in press. (SCI, EI) [NSC100-2221-E002-019, and NSC100-2811-E002-047]

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1. Lin, M.Y. and Huang, L.H., 2010, Free-surface flow past a submerged cylinder, *Proceedings of the 9th International Conference on Hydrodynamics*, Shanghai, Oct.11 – 15.
2. Huang, H.M., Lin, M.Y. and Huang, L.H., 2010, Lifting of a large object from a rigid porous seabed, *Proceedings of the 9th International Conference on Hydrodynamics*, Shanghai, Oct.11 – 15.
3. Chang, Wen-Yi, Tsai, Whey-Fone, Chang, Che-Hao, Lien, Ho-Chen, Huang, L.H., Lee, Kwan-Tun, Lin, Shyi-Ching and Wu, Jyh-Horng, 2010, Development of an open shell for integrated flood forecasting and decision supporting information, 2101 CFD Taiwan, Jhongli, July. (in Chinese).
4. Tseng, C.M., Huang, L.H. and Yang, C.J., 2010, Landsubsidence due to groundwater over pumping in Taiwan and its three-dimensional analysis, *Proceedings of the 14th Cross Strait Hydraulic Techniques Conference*, Taipei, Nov. 22 – 23. (in Chinese)
5. Chang, K.H., Tsaur, D.H. and Huang, L.H., 2011, Diffraction of Water Waves by a Modified V-shaped Breakwater, *The Sixth International Conference on Asian and Pacific Coasts (APAC2011)*, Hong Kong, Dec. 14 – 16.
6. Huang, P.Y. and Huang, L.H., 2011, An Example of the Time Scales Relation Between Momentum and Mass Transports, *11th International Conference on Fluid Control, Measurements and Visualization (FLUCOME 2011)*, Keelung, Dec. 5 – 9.
7. Chang, Yun and Huang, Liang Hsiung, 2011, Analysis of a conceptual model of groundwater before, under, and after the construction of a tunnel, the *20th Hydraulic Engineering Conference*, Chia Yi, Dec. 14 15.
8. Huang, L.H., Lin, M.Y., Chang, C.W. and Chou, C.F., 2011, The study of inundation modeling in response to climate change, the *20th Hydraulic Engineering Conference*, Miao Li, Dec. 14 15. (in Chinese)
9. Li, H.I. and Huang, L.H., 2011, The study of urban rain fall drainage technique, the *20th Hydraulic Engineering Conference*, Miao Li, Dec. 14 15. (in Chinese)
10. Chen, J.I., Huang, L.H., Tsai, T.L. and Chen, J.C., 2011, The modeling of banded-shape local land subsidence, the *20th Hydraulic Engineering Conference*, Miao Li, Dec. 14 15. (in Chinese)
11. Lin, M.Y., Huang, H.M. and Huang, L.H., 2013, Analytical investigation of the

- flow induced by lifting a large object from a porous bed, 23rd (2013) International Offshore and Polar Engineering Conference (ISOPE-2013), Anchorage, Alaska, USA, June 30 – July 5.
12. Hsu, Hsiu-Ching, Huang, Liang-Hsiung and Tseng, Chung-Min, 2013, Analytical study of three-dimensional landsubside, the 21st Hydraulic Engineering Conference, Yi Lan, Oct. 25-26. (in Chinese)
 13. Kuo, Yuan-Ching and Huang, Liang Hsiung, 2013, A numerical flume for investigating the water/soli interaction, the 21st Hydraulic Engineering Conference, Yi Lan, Oct. 25-26. (in Chinese)
 14. Chang, Yun, Huang, Liang-Hsiung and Yang Fang, Po-Yuan, 2013, A two-dimensional vertical lift-up problem with impervious bed, CTAM 2013, National Tsing Hua University, Hsin Chu, Nov. 8-9.
 15. Chang, Yun, Huang, Liang-Hsiung and Yang Fang, Po-Yuan, 2013, A two-dimensional vertical lift-up problem with rigid porous bed, CTAM 2013, National Tsing Hua University, Hsin Chu, Nov. 8-9.
 16. Kuo, Yuan-Ching and Huang, Liang Hsiung, 2013, An asymptotic approach for solving Biot's equations, Proceedings of the 35th Ocean Engineering Conference in Taiwan, National Sun Yat-sen University, Nov. (in Chinese)
 17. Chang, H.Y., Huang, L.H., Lin, M.Y. and Chang, K.H., 2014, Flow behavior around a coated pipeline embedded partly in a permeable seabed, Proceedings of the 11th International Conference on Hydrodynamics, Singapore, Oct.19 – 24.

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1. Huang, L.H., 2010, A study on format of ocean computation fro estuary water surface and velocity (III), National Science Council of ROC, Rept. No. NSC98-2625-M002-004 (in Chinese).
2. Huang, L.H., 2010, An analytical study on tilting lift-up of a large object from a porous bed (2/2), Rept. of National Science Council of ROC, NSC97-2211-E002-248-MY2 (in Chinese).
3. Lin, C.P., Huang, L.H. and Hsieh, D.Y., 2010, The observation and measurement of sediment transport and the studies and application and development of density current simulation model in Shihman Reservoir (2/2), Report of Water Resource Bureau, Ministry of Economic Affairs (in Chinese).
4. Huang, L.H., Huang, C.W., 2010, The study of flood inundation simulation and damage control plan in response to climate change (1/3), Report to Water Resources Bureau, Ministry of Economic Affairs (in Chinese).
5. Huang, L.H., 2011, Wave scattering and vortex generation by a submerged flat plate, Rept. of National Science Council of ROC, NSC 99-2221-E-002-222 (in Chinese).
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7. Huang, L.H., Huang, C.W. and Lin, M.Y., 2011, The study of flood inundation simulation and damage control plan in response to climate change (2/3), Report to Water Resources Bureau, Ministry of Economic Affairs (in Chinese).

8. Huang, L.H., 2012, Vortex method applied to flows past bodies with sharp trailing edges, Rept. of National Science Council of ROC, NSC 100-2221-E-002-019.
9. Huang, L.H., Huang, C.W. and Lin, M.Y., 2012, The study of flood inundation simulation and damage control plan in response to climate change (3/3), Report to Water Resources Bureau, Ministry of Economic Affairs (in Chinese).
10. Huang, L.H., Huang, C.W. and Lin, M.Y., 2012, The study of flood inundation simulation and damage control plan in response to climate change (3/3), Report to Water Resources Bureau, Ministry of Economic Affairs (in Chinese).
11. Lin, C.P., Huang, L.H. and Hsieh, D.Y., 2012, The long term observation and measurement of sediment transport and the numerical simulation of the deposition prevention operation in Shihman Reservoir (1/2), Report of Water Resource Bureau, Ministry of Economic Affairs (in Chinese).
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13. Lin, C.P., Huang, L.H. and Hsieh, D.Y., 2014, The long term observation and measurement of sediment transport and the numerical simulation of the deposition prevention operation in Shihman Reservoir (2/2), Report of Water Resource Bureau, Ministry of Economic Affairs (in Chinese).
14. Huang, L.H., 2014, The study of sediment problem during typhoon flooding, Report of Ministry of Science and Technology, MOST100-2625-M-002-015-MY3 (in Chinese)

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1. Kuo, Y.C. (郭遠錦), 2011, The study on the slowly deforming bed form under water, PhD thesis, Department of Civil Engineering, National Taiwan University.

Supervised MS Theses

1. Huang, Po-Yuan (黃泊源), 2010, An examination of the time scales difference between momentum and mass transports, MS thesis, Department of Civil Engineering, National Taiwan University.
2. Lee, Hua-Yi (李華怡), 2011, To improve terrain data processing and the techniques of simulation of rainfall flood inundation, MS thesis, Department of Civil Engineering, National Taiwan University (in Chinese).
3. Jan, Jing-Fan (詹景帆), 2011, Developing the computation of mountain groundwater with σ -transform, MS thesis, Department of Civil Engineering, National Taiwan University (in Chinese).
4. Li, Yi-Syuan (李依璇), 2012, Study of linear water waves with a submerged flat plate using vortex method, MS thesis, Department of Civil Engineering, National Taiwan University (in Chinese).

5. Chang, Hsin-Yu (張芯瑜), 2012, The mitigation method for the piping effect around a pipe on the bed, MS thesis, Department of Civil Engineering, National Taiwan University (in Chinese).
6. Hsu, Hsiu-Ching (許琇晴), 2012, Three dimensional analytical study of landsubside, MS thesis, Department of Civil Engineering, National Taiwan University (in Chinese).
7. Wang, Yuan-Heng (王元亨), 2013, The mountain groundwater and mass transport model, MS thesis, Department of Civil Engineering, National Taiwan University (in Chinese).
8. Guo, Jhong-Min (郭中閔), 2013, Under water bed form deformation of long time scale, MS thesis, Department of Civil Engineering, National Taiwan University (in Chinese).
9. Chang, Yun (張雲), 2014, Analytical solutions to the vertical lifting of a submerged rectangular block, MS thesis, Department of Civil Engineering, National Taiwan University.
10. Chen, Hsiao-Ching (陳曉慶), 2014, The study of the dividing wall for a merged flow of two open channels, Department of Civil Engineering, National Taiwan University (in Chinese).