

1. Fang, Ming-Chung, 1985, 04, "The Effect of Elastic Connection Between Two Parallel-Sided Ship in Oblique Wave", Proc. of National Science Council Vol.9, No.2, pp.186-198, ROC. (EI)
2. Fang, Ming-Chung, 1985,10, "Relative Elevation and Pressure Distribution of a Two-Dimensional Catamaran Ship In Beam Wave", Journal of SNAME, No.4, pp., 71-77, ROC.
3. Kim, C.H., Fang, Ming-Chung, 1985, 12, " Vertical Relative Motion Between Two Adjacent Platforms in Oblique Waves", Trans. of ASME Journal of Energy Resources Technology, Vol.107, pp.455-460, USA. (SCI)
4. Fang, Ming-Chung, 1986, 04, "The Eigen-Graphic Method for Predicting the Coupled Resonance of the Motions Between Two Ships In Waves", International Shipbuilding Progress, Vol.33, No.380, pp.60-65, Netherlands. (EI)
5. Fang, Ming-Chung, Kim, C.H., 1986, 09, "Hydrodynamically Coupled Motions of Two Ships Advancing in Oblique Waves", Journal of Ship Research, Vol.30, No.3, pp.159-171, USA. (SCI, EI)
6. Fang, Ming-Chung, Kim, C.H., 1986, 09, "Two-Dimensional Analysis for the Lateral Drifting Forces Between Two Structures", Journal of Ship Research, Vol.30, No.3, pp.194-200, USA.(SCI, EI)
7. Fang, Ming-Chung, 1986, 11, "The Spectral Analysis for the Water Shipping Between Two Ships in The Beam Waves", Journal of SNAME, Vol.5, No.1,pp.1-14, ROC.(NSC-74-0403-E006-01)
8. Fang, Ming-Chung, Kim, C.H., 1987, 05, "An Analysis of Water Shipping Between Two Floating Platforms in The Beam Waves", Trans. of ASME Journal of Offshore Mechanics and Arctic Engineering, Vol.109, pp.179-185, USA.(NSC-74-0403-E006-01) (SCI)
9. Fang, Ming-Chung, 1987, 08, "On The Diffraction Problem Between Two Ships Advancing in Oblique Sea", International Shipbuilding Progress, Vol.34, No.396, pp.146-159, Netherlands. (EI)
10. Fang, Ming-Chung, 1987,10, "The Selection Of Clearance And Speed for Underway Replenishment", International Shipbuilding Progress, Vol.34, No.400, pp.220-228, Netherlands. (NSC-75-0403-E006-01) (EI)
11. Fang, Ming-Chung, 1987, 11, "The Hydrodynamic Forces for a SWATH Ship Advancing in Waves", Journal of SNAME, Vol.6, pp.1-7, ROC.(NSC-76-0403-E006-01)
12. 方銘川, 張啟伸, 周顯倫, 1988, 04, " 省能源之改良型漁筏", 能源季刊(energy quarterly), Vol.18, No.2, pp 12-18, ROC.
13. Fang, Ming-Chung, 1988, 07, "The Lateral Drifting Forces for A SWATH Ship in Waves", International Shipbuilding Progress, Vol.35, No.402, pp.123-143, Netherlands.(NSC-76-0403-E006-01) (EI)
14. Fang, Ming-Chung, 1988, 12, "The Motions of SWATH Ship in Waves", Journal of Ship Research, Vol.32, No.4, pp.238-245, USA.(NSC-76-0403-E006-01) (SCI, EI)
15. Fang, Ming-Chung, 1989, 03, "The Remote Controlled Design of the Free-Running Model for

- the Seakeeping Test", Proco. of National Science Council, Vol.13, No.2, ROC.(NSC-77-0403-E006-01) (EI)
16. Fang, Ming-Chung, Chiou, Shiahn-Tzung, 1990, 04, "A Simplified Approach for Predicting the Wave Resistance of A Ship", International Shipbuilding Progress, Vol.37, No.409, pp.33-41, Netherlands. (EI)
 17. Fang, Ming-Chung, Kim, C.H., 1990, 08, "The Lateral Drifting Forces and Moments on Two Ships in Proximity in Waves", Trans. of ASME Journal of Offshore Mechanics and Arctic Engineering, Vol.112, pp.223-229, USA. (NSC-76-0403-E006-02) (SCI)
 18. Fang, Ming-Chung, 1991, 03, "The Roll Reduction of Ship by Rudder Control in Wave", The Journal of NCKU, Vol.25, pp.99-123, ROC.(NSC-77-0403-E006-02)
 19. Fang, Ming-Chung, 1991, 04, "Second-Order Steady Forces on a Ship Advancing in Waves", International Shipbuilding Progress, Vol.38, No.413, pp.73-93, Netherlands.(EI)
 20. Fang, Ming-Chung, 1991, 06, "The Roll Reduction by Rudder Control for Two Ships doing Underway Replenishment", Journal of Ship Research, Vol.35, No.2, pp.141-150, USA.(NSC-77-0403-E006-02) (SCI, EI)
 21. Fang, Ming-Chung, 1992, 06, "The Drifting Forces Between Two Weak Scattered Bodies in Waves", Journal of SNAME, Vol.11, No.1, pp.41-48, ROC.
 22. Fang, Ming-Chung, 1992,09, "The Added Resistance of a SWATH Ship in Head Waves", Proco. of National Science Council, Vol.16, No.5, pp.430-436, ROC.(NSC-78-0403-E006-02) (EI)
 23. Lee, Ming-Ling, Fang, Ming-Chung and Chen, M.L., 1992, 11 "The Effects of Shipping Water on the Capsizing of Ships in Beam Seas", Journal of the Society of Naval Architects and Marine Engineers, Vol.11, No.2, pp.69-89, ROC.
 24. Fang, Ming-Chung, Lee, Ming-Ling and Lee, Chwang-Kwo 1993,06, "The Simulation of Water Shipping for a ship Advancing in Large Longitudinal Waves", Journal of Ship Research, Vol.37, No.2, pp.126-137, USA.(NSC-80-0403-E006-02) (SCI, EI)
 25. Fang, Ming-Chung and Lee, Chwang-Kwo, 1993,09, "On the Dynamic Stability of a Ship Advancing in Longitudinal Waves", International Shipbuilding Progress, Vol.40, No.422, pp.177-197, Netherlands.(NSC-80-0403-E006-02) (EI)
 26. Fang, Ming-Chung and Shyu, Wei-June, 1994, 04, "On the Added Resistance of SWATH Ship Advancing in Head Waves", International Shipbuilding Progress, Vol.41, No.425, pp.55-72, Netherlands(NSC-78-0403-E006-03) (EI)
 27. Fang, Ming-Chung and Chen, Shoa-Rong, 1994, 06, "The Effect of Water Shipping on the Hatch Cover Leakage of Container Ship", JSNAME, pp.1-14, ROC
 28. Fang, Ming-Chung and Lin, Being-Nan, Shyu, Wei-June, 1994,06, "The Analysis of the Effect of Stabilizing Fin on SWATH Ship Motion", JSNAME, pp.41-56, ROC. (NSC-82-0403-E006-275)
 29. Fang, Ming-Chung and Shyu, Wei-June, 1994,09, "The Improved Prediction for Hydrodynamic Characters of SWATH Ship in waves", Proc.of National Science Council, Vol.18, No.5, pp.495-507, ROC.(NSC-80-0403-E006-05) (EI)
 30. Fang, Ming-Chung and Her, Shin-Shiou, 1995,09, "The Nonlinear SWATH Ship Motion in Large

- Longitudinal Waves", International Shipbuilding Progress, Vol.42, No.431, pp.197-220, Netherlands. (NSC 81-0403-E-006-562) (EI)
31. Fang, Ming-Chung, Lee, Ming-Ling and Yi, Sheng-Fu, 1996,09, " The Prediction Methods for the Sea Loads of a Catamaran Ship", Proc.of National Science Council, Vol.20, No.5pp. 538-549, (NSC-82-0403-E006-277). (EI)
 32. Fang, Ming-Chung and Liao, Cheng-Ming, 1996, 11, "Predictions of the Sea Loads for a Ship Advancing in Waves", Journal of SNAME, Vol.15,No.2, pp.35-44,ROC.
 33. Fang, Ming-Chung and Chen, Shuan-Yu , 1996, 12, " On the Stability and Wave Profile of a Ship in Oblique Waves" International Shipbuilding Progress, Vol.43,No.463 Netherlands. (EI)
 34. Lee, Ming-Ling, Fang, Ming-Chung and Cheng,C.E.,1997,02, "Prediction of Structural Dynamic Load of a SWATH Ship by Equivalent Wave Approach", Journal of the Society of Naval Architects and Marine Engineers,Vol.16,No.1,pp.9-24,ROC.(NSC -84-2611-E006-019)
 35. Fang, Ming-Chung, and Liao, Cheng-Ming,1997,09, "Time Simulation of Nonlinear Wave Loads on a Ship in Oblique Waves", Prco. of National Science Council, Vol.21,No.5,pp.454-465.(NSC-85-2611-E006-019) (EI)
 36. Fang, Ming-Chung, Su, Sen-Xi and Cheng, Gung-Rong, 1998, 06, "Solving the Wave Resistance of a Submerged Body Using the Panel Method", Prco. of National Science Council, Vol.22, No.4, pp.466-474. (EI)
 37. Fang, Ming-Chung, 1998, 06, " A Simplified Method to Predict the Added Resistance of a SWATH Ship in Waves" Journal of Ship Research, Vol.42, No.2, pp.131-138, USA. (SCI, EI)
 38. Fang, Ming-Chung and Lin, Bing-Nan, 1998, 09, "The Simulation of the SWATH Ship Motion with Controllable Fin in Longitudinal Waves" International Shipbuilding Progress, Vol.45,No.443, pp.283-307, Netherlands. (EI)
 39. Fang, Ming-Chung and Su, Sen-Xi , 1998, 09, " Three-Dimensional Solution for the Diffraction Problem of a Submerged Body in Waves" Journal of Ship Research, Vol.42, No.3, pp.167-173, USA. (SCI, EI)
 40. Fang, Ming-Chung and Chen, Shuan-Yu , 1998,11 , " A Method for Simulating Ship Motions in Oblique Waves" Journal of NCKU, Vol.33, pp.131-152.
 41. Fang, Ming-Chung and Liou, Yi, 1999, 04, "Solving Hydrodynamic Problems for Twin-Hull Body by Phase Transfer Method" International Shipbuilding Progress, Vol.46, No.445, pp. 43-60. Netherlands. (EI)
 42. Fang, Ming-Chung, 2000, 03, "The Effect of Steady Flow Potential on the Motions of a Ship Advancing in Waves," Journal of Ship Research, Vol.44, No.1, pp.14-32, USA. (NSC-88-2611-E006-007) (SCI, EI)
 43. Fang, Ming-Chung and Lin, Han-Pin, 2000, 04, "Three-dimensional Solutions for the Radiation Problem of an Oscillating Ship with Speed", International Shipbuilding Progress, Vol.47, No.449, pp. 95-124. Netherlands. (NSC-87-2611-E006-31) (EI)
 44. Fang, Ming-Chung and Chiou, Shan-Chin, 2000, 06, " The SWATH Ship Motion Simulation Based on Self-Tuning Fuzzy Control ," Journal of Ship Research, Vol.44, No.2, pp.114-125, USA. (NSC-88-2611-E006-011) (SCI, EI)

45. Fang, Ming-Chung, and Chen, Gung-Rong, 2000, 11, “ The three-dimensional solution for the nonlinear drifting force and moment of a ship in waves”, Journal of the Society of Naval Architects and Marine Engineers, ROC, Vol.19, No.4, (EI)
46. Fang, Ming-Chung, and Chen, Gung-Rong, 2000, 12, “ The Exciting forces Between Two Ships Moving in Waves”, International Shipbuilding Progress, Vol 47, No. 452, pp. 397-420, Netherlands (EI)
47. Fang, Ming-Chung and Wu, Jun-Xien, 2001, 02, " Three-dimensional Solution for the wave Loads of a Moving Ship in Waves," Journal of the Society of Naval Architects and Marine Engineers, ROC, Vol.20, No.1. (NSC-88-2611-E006-007) (EI)
48. Fang, Ming-Chung and Chiou, Shan-Chin, 2001,06, “A Hydrodynamic Model for Simulating SWATH Ship Motions with Fuzzy Control” International Shipbuilding Progress, Vol.48 no.4 pp.277-303, Netherlands. (NSC-88-2611-E006-011) (EI)
49. Fang, Ming-Chung, and Chen, Gung-Rong 2001, 08, “ Hydrodynamic Interaction Between Two Ships Moving in Waves”, Ocean Engineering, No.28, pp.1053-1078, USA (NSC 89-2611-E006-050) (SCI, EI).
50. Fang, Ming-Chung and Yang, En-Ling, 2002,09 "A Self-Tuning Fuzzy Control on the SWATH Ship pitch motion in irregular Waves” Journal of the Society of Naval Architects and Marine Engineers, ROC, Vol.21, No.2, pp.127-136. (NSC-88-2611-E006-011) (EI).
51. Fang, Ming-Chung and Chen, Gung-Rong, 2002, 09, “The Relative Motion and Wave Elevation Between Two Ships Advancing in Waves”, International Shipbuilding Progress, Netherlands. Vol. 49, No.3, pp. 177-194. (EI)
52. Fang, Ming-Chung, and Chen, Gung-Rong, 2002, 12, “ On Three-Dimensional Solutions of Drift Forces and Moments Between Two Ships in Waves”, Journal of Ship Research , USA Vol.46, No.4, pp. 280-288. (SCI, EI).(NSC 89-2611-E006-050)
53. Fang, Ming-Chung, Ker-Wei Lin and Zung- Hui Shu, 2004, " An Indigenous PC-based Ship Simulator Incorporating the Hydrodynamic Numerical Model and Virtual Reality Technique” Journal of the Society of Naval Architects and Marine Engineers, ROC, Vol. 23, No.2, pp.87-95. (NSC- 91- 2611- E006- 016) (EI).
54. Fang, Ming-Chung, and Yang, Wen-Hong, 2004 “ The Experimental Study on Motions for Two Ships Advancing in Longitudinal Waves”, Journal of the Society of Naval Architects and Marine Engineers, ROC, Vol. 23, No.4, pp.209-220. (NSC 89-2611-E006-050) (EI)
55. Fang, Ming-Chung, Luo, Jih-Hong, and Lee, Ming-Ling, 2005, 06 “A Nonlinear Mathematical Model for Ship Turning Circle Simulation in Waves”, Journal of Ship Research, USA .Vol. 49, No.2, pp.69-79 (NSC 91-2611-E006-016)(SCI, EI)
56. Fang, Ming-Chung and Luo, Jih-Hong, 2005, 08 “The nonlinear hydrodynamic model for simulating a ship steering in waves with autopilot system”, Ocean Engineering, USA, Vol.32/11-12, pp.1486-1502 (NSC 91-2611-E006-016) (SCI)
57. Fang, Ming-Chung, Lee, Ming-Ling and Luo, Jih-Hong , 2005,11 “On the Ship Roll Reduction by Using the Sliding Mode Control with Genetic Algorithm” Journal of the Society of Naval Architects and Marine Engineers, ROC, Vol.24, No.3, pp.133-142 (EI)

58. Chen, Po-Fan, Huang, Cheng-Hung, Fang, Ming-Chung and Chou, Jar-Hung, 2006, 03 “An Inverse Design Approach in Determining the Optimal Shape of Bulbous Bow with Experimental Verification”, Journal of Ship Research, USA, Vol.50, No.1, pp.1-14 (SCI, EI)
59. 方銘川, 2006, 03, “本土化抗流型水下遙控載具之研發現況” Journal of Ocean and Underwater Technology, Vol. 16, No.1, pp.30-37 (in Chinese)
60. Fang, Ming-Chung and Too, Geng-Yue, 2006, 06 “The Effect of Side Hull Arrangements on the Motions of the Trimaran Ship in Waves” Naval Engineer Journal, USA, Vol.118, No.1, Winter, 2006,pp.27-37. (SCI)
61. Fang, Ming-Chung, Pei-En Chang and Jhih-Hong Luo, 2006,10 “Wave Effects on Ascending and Descending Motions of the Autonomous Underwater Vehicle” Ocean Engineering, USA, Vol.33/14-15, pp.1972-1999(SCI)
62. Fang, Ming-Chung and Chen, Gung-Rong , 2006,11 “ On the nonlinear hydrodynamic forces for a ship advancing in waves” Ocean Engineering, USA, Vol. 33/16, pp.2119-2134 (SCI)
63. Fang, Ming-Chung and Luo, Jhih-Hong , 2006, 12 “A combined Control System with Roll Reduction and Track Keeping for the Ship Moving in Waves” Journal of Ship Research, USA, Vol.50, No.4, pp.344-354. (SCI, EI)
64. Fang, Ming-Chung, and Luo, Jhih-Hong, 2006, 12 “The Application of the Sliding Mode Controller on the Ship Roll Reduction in Random Waves Using Genetic Algorithm”, Naval Engineer Journal, USA, Vol.118, No.4, pp.37-47. (SCI)
65. Fang, Ming-Chung and Luo, Jhih-Hong, 2007, 03 “On the Track Keeping and Roll Reduction of the Ship in Random Waves Using Different Sliding Mode Controllers” Ocean Engineering, USA, Vol. 34, Issues 3-4, March, pp.470-488. (SCI).
66. Lee, C.H., Lee, Y.M., Fang, Ming-Chung, and Su, C.L., 2007,05 “ Simulation of Pem Fuel Cells Based DC Power Conversion for Applications in AUVS” Journal of the Society of Naval Architects and Marine Engineers, ROC, Vol.26, No.2, pp.79-89. (EI) (in Chinese)
67. Fang, Ming-Chung, Hou, Chang-Shang and Luo, Jhih-Hong , 2007,06 “On the Motions of the Underwater Remotely Operated Vehicle with the Umbilical Cable effect” Ocean Engineering, USA, [Volume 34, Issues 8-9](#), pp. 1275-1289. (SCI)
68. Fang, Ming-Chung, Fang, Chih-Chung and Wu, Chun-Hsien, 2007,07, “Prediction of design wave loads of the ocean structure by equivalent irregular wave approach” Ocean Engineering, USA, [Volume 34, Issue 10](#), pp. 1422-1430. (SCI)
69. Fang, Ming-Chung, Hsu, Yu-Su, and Hu, Deng-Kai, 2007, 11 “ The Coupled Effect of the Steady Potential on the Unsteady Motions of twin-hull ship in waves” Journal of the Society of Naval Architects and Marine Engineers, ROC, Vol.26, No.4, pp.171-179. (EI)
70. Fang, Ming-Chung and Luo, Jhih-Hong , 2008, 01 “The Ship Track Keeping with Roll Reduction Using the Multiple-states PD Controller on the Rudder Operation” Marine Technology, USA, Vol. 45, No.1, pp21-27. (SCI)
71. Fang, Ming-Chung and Chen, TY, 2008,06 “A Parametric Study of Wave Loads on Trimaran Ships Traveling in Waves” Ocean Engineering, USA, Vol. 35/8-9, pp.749-762(SCI)
72. Lee, Kun-Chou, Huang Chih-Wei and Fang, Ming-Chung, 2008, “Radar Target Reconition by

Projected Features of Frequency-Diversity RCS”, Progress in Electromagnetics Research-PIER, Vol. 72, pp. 121-133. (SCI)

73. Lee, Kun-Chou, Ou, Jhih-Shian and Fang, Ming-Chung, 2008, “Application of SVD Noise-Reduction Technique to PCA based Radar Target Recognition”, Progress in Electromagnetics Research-PIER, Vol. 81, pp. 447-459. (SCI)
74. Fang, Ming-Chung, Chen, Jeng-Horng and Luo, Jhih-Hong and Chang-Shang Hou 2008, 10, “On the behaviors of the Underwater Remotely Operated Vehicle in Uniform Current”, Marine Technology, USA, Vol.45, No.4, pp.241-249 (SCI)
75. Fang, Ming-Chung and Chen, Ing-Zou ,2008,11, “The Dynamic Simulation for a Moored Ship Under the effects of Wave and Current” Journal of the Society of Naval Architects and Marine Engineers, ROC, Vol.27, No.4, pp.155-165. (EI)
76. Lee, Kun-Chou, Ou, Jhih-Shian, Huang, Min-Chih and Fang, Ming-Chung, 2009, “A Novel Location Estimation Based on Pattern Matching Algorithm in Underwater Environments”, Applied Acoustics, Vol. 70, pp. 479–483 (SCI)
77. Fang, Ming-Chung and Huang, Yi-Lun, 2009, 02 “ The Motion Simulation of the Underwater Remote Vehicle with Anti-Pitch Performance” Journal of the Society of Naval Architects and Marine Engineers, RO,. Vol.28, No.1, pp.51-58. (in Chinese) (EI)
78. Fang, Ming-Chung and Ju, Zu-Han 2009,04 “The Dynamic Simulations of the Ship Towing System in Random Waves” Marine Technology, USA , Vol.46, No.2, pp.107-115. (SCI)
79. Fang, Ming-Chung, Lin, Dai-Ling and Lee, Zi-Yi , 2009, 05 “Three-dimensional Analysis for Twin-hull Ship Motions by Phase Transfer Method” Journal of the Society of Naval Architects and Marine Engineers, ROC, Vol.28, No.2, pp.59-68. (in Chinese) (EI)
80. Fang, Ming-Chung, Wu, Yi-Chin , Hu, Deng-Kai and Lee, Zi-Yi , 2009, 12 “The Prediction of the Added Resistance for the Trimaran Ship with different side hull arrangements in waves” Journal of Ship Research, USA, Vol.53, No.4, pp.227-235. (SCI, EI)
81. 黃正清, 方銘川等七人, 2009 ” 海事案例與安全管理之探討分析” 船舶科技, 37 期, pp. 1-15
82. 王舜民, 方銘川, 2010.01 “智慧型自主式水下載具之研發” Journal of Ocean and Underwater Technology, Vol.19, No.4 pp. 13-20, (in Chinese)
83. Lin, C.H., Fang, Ming-Chung, Wu, Z.E., Huang, K.Y., Hsu, Y.S. and Kuo, C.C., 2010, 02 “Design of Human-Machine Interaction Windsurfing Simulation System” Journal of the Society of Naval Architects and Marine Engineers, ROC, Vol.29, No.1, pp.1-8. (in Chinese) (EI)
84. Yu-Hsien Lin, Ming-Chung Fang and Hwung-Hweng Hwung, 2010, 03, “Transport Reversal Due to Typhoon Krosa in the Taiwan Strait” *The Open Ocean Engineering Journal*, USA pp.143-157
85. Fang, Ming-Chung and Zhuo, Young-Zoung, 2010, 05, “The Application of the self-tuning Neural Network PID controller on the Ship Roll Reduction in Random Waves”, Ocean Engineering, USA, Vol.37, No.7, pp.529-538, (SCI)
86. Fang, Ming-Chung, Shen, Sheng-Chih, Chau, Sheng-Wei 2010,06, “The Analysis of the Effect on the Energy-saving and Fish Catches using Installing the LED lamp on the fishing Boat” ,

Taiwan Fisheries Associate. ISSN 0529-6471, Vol.5, No.3, pp.49-60.(in Chinese)

87. Lin, Yu-Hsien and Fang, Ming-Chung 2010,10, "The Selection and Assessment for The wave Energy Field in Taiwan", *Energy Monthly*, ISSN 0255-6138, pp.34-36. (in Chinese)
88. Y. H. Lin, H. H. Hwung, Ming-Chung, Fang and R. Y. Yang, "The Numerical Simulation of Storm-Surge and Coastal Inundation of 2007 Typhoon Sepat," *Proceedings of 32nd International Conference on Coastal Engineering, ASCE.*, No. 32, pp. 1-8, 2010. (EI)
89. Lee, C.H., Yang, J. T. and Fang, Ming-Chung 2010,11, "Analysis of the Effect of a Load Change on PEMFC Cells used as a Power Source for Autonomous Underwater Vehicles" *Journal of the Society of Naval Architects and Marine Engineers, ROC*, Vol.29, No.4, pp.195-212. (in Chinese) (EI)
90. Fang, Ming-Chung, Hsu, B.-C., Yang, J.-M. 2010, "The Hydrodynamic Model for Simulating the Motions of a Ship Moored near the Quay in Waves" *Journal of Hydrodynamics*, Vol.22, Issue 5 SUPPL. 1, pp.551-555.(SCIE&EI)
91. 方銘川黃正清,等九人, 2011, 03, " 國內航線船舶安全管理制度案例試辦與成果探討(I)" *船舶科技*, 39 期, pp. 53-66
92. Fang, Ming-Chung, Yang, R.Y. and Shugan, Igor V. 2011,03, "Kelvin ship wake in the wind waves field and on the finite sea depth" *Journal of Mechanics*, Vol. 27, No. 1, pp.9-15. (SCI)
93. Fang, Ming-Chung and Wang, Shun-Min, "Rapid development of AUV system based on real-time and FPGA frame," *Underwater Technology (UT)*, 2011 IEEE Symposium on and 2011 Workshop on Scientific Use of Submarine Cables and Related Technologies (SSC), Tokyo, Japan, pp. 1-5, 5-8 April 2011. (ISBN: 978-1-4577-0165-8)[EI]
94. Lin, Yu-Hsien, Hwung, H. H. and Fang, Ming-Chung 2011, 08, "The Numerical Simulation of Storm-Surge and Coastal Flooding in Western Taiwan: A Case Study of 2007 Typhoon SEPAT" *Journal of Shipping and Ocean Engineering*, Vol.1, No. 3, pp.158-168, USA
95. Wu, Chia-Wei and Fang, Ming-Chung *, 2012, 02, "The Studies of the Distance-Measuring of Underwater Obstructions by Using the Image Processing Technique" *Journal of the Society of Naval Architects and Marine Engineers, ROC*, Vol.31, No.1, pp.23-30. (in Chinese) (EI)
96. 方銘川黃正清,等七人, 2012, 03, " 國內航線船舶安全管理制度案例試辦與成果探討(II)" *船舶科技*, 40 期, pp. 27-42
97. Lin, Yu-Hsien and Fang, Ming-Chung, 2012, 06 " Numerical Simulation of Ship Dynamics for Application in a Weather Routing System," in *Proceedings of the 31st International Conference on Ocean, Offshore and Arctic Engineering, ASME*, OMAE2012-83515, 2012. (EI)
98. Shiang-Chi Yang and Fang Ming-Chung * , 2012, 08 "The Research on the New Technique of Harvesting Wave Energy Based on the Ship Motions" *Journal of Taiwan Society of Naval Architects and Marine Engineers*, Vol.31, No.3, pp.167-172 (in Chinese) (EI)
99. 王兆璋, 陳信宏, 方銘川,等八人, 2012,08 "傳統加工產業活化與水下技術發展" *Journal of Ocean and Underwater Technology*,Vol.22, No.2 pp. 29-34, (in Chinese)
100. Fang, Ming-Chung and Lin, Yu-Hsien 2012, 09 "The Assessment of Ocean Wave Energy along the Coasts of Taiwan" *China Ocean Engineering*, Vol.26, No.3, pp.413-430. (SCI/EI)

101. Lin, Yu-Hsien and Fang, Ming-Chung* 2012, 10 “An Integrated Approach for Site Selection of Offshore Wind-Wave Power Production” Ocean Engineering, IEEE, Vol.37, No.4, pp.740-755, USA, (SCI)
102. Fang, Ming-Chung , Lin, Yu-Hsien, Wang, Bo-Jhe, 2012,11 “Applying the PD Controller on the Roll Reduction and Track Keeping for the Ship Advancing in Waves” Ocean Engineering, USA, Vol.54, pp.13-25. (SCI)
103. Fang, Ming-Chung, Lee, Zi-Yi and Huang, Kao-Tuao, 2013, 01 “A simple alternative approach to assess the effect of the above-water bow form on the ship added resistance” Ocean Engineering, Vol.57, pp.34-48,USA, (SCI)
104. Shen, S.C., Kuo, C.Y. and Fang, Ming-Chung, 2013,02 “Design and Analysis of an Underwater White LED Fish-Attracting Lamp and Its Light Propagation” International Journal of Advanced Robotic Systems, Vol.10, pp.1-10 (SCI)
105. Fang, Ming-Chung, Gue-Wei Chen and Zi-Yi Lee, 2013, 02 “The Bank Effect on the Motion Behaviors of the Ship Advancing in Waves” Journal of Taiwan Society of Naval Architects and Marine Engineers, Vol. 32, No.1, pp.47-54 (EI)
106. I. P. Kuzin, D. G. Levchenko, B. A. B. Flyonov, Fang, Ming-Chung., C. C. Wang, R. Y. Yang, Yang & H. Hs. Chen, 2013, 04 “Some Characteristics of Seismicity Before Strong Earthquake Chi-Chi (Mw = 7.6), 1999, Taiwan” Earth Science Research; Vol. 2, No. 2, pp. 143-152.
107. 方銘川李信德,等七人, 2013, 04, “我國船舶智慧化進出港導航系統探討” 船舶科技, 42 期, pp. 12~32
108. Sheng-Chih Chan, Kun-Chou Lee, Tsung-Nan Lin, Fang, Ming-Chung , 2013, 05 “Underwater positioning by kernel principal component analysis based probabilistic approach” Applied Acoustics, Vol.74, pp.1153-1159 (SCI)
109. Chen, Y. Y. and Fang, Ming-Chung, 2013, 05 “Nonlinear Control Law Design of Unmanned Surface Vessels”, Journal of Taiwan Society of Naval Architects and Marine Engineers, Vol. 32, No.2, pp.83-89 (EI)
110. Fang, Ming-Chung and Lee, Zi-Yi, 2013, 08 “Dynamic Positioning Control System on a Barge in Short-Crested Waves Using the Neural Network Algorithm” China Ocean Engineering, Vol. 27, No. 4, pp. 469 – 480 (SCI/EI)
111. Lin ,Yu-Hsien and Fang, Ming-Chung* , Ronald W. Yeung, 2013,10 “ The Optimization of Ship Weather-Routing Algorithm based on the Composite Influence of Multidynamic Elements” Applied Ocean Research, 43, pp.184-194 (SCI)
112. 方銘川林忠宏,等七人, 2014 , 01“我國海事調查制度之改善研究” 船舶科技, 44 期, pp. 1-16
113. Fang, Ming-Chung, Yen, Shou-Ping and Lee, Zi-Yi, 2014,05 “The Time Simulation for the Motion of the Wave-Piercing Catamaran Ship in Longitudinal Waves” Journal of Taiwan Society of Naval Architects and Marine Engineers, Vol. 33, No.2, pp.93-100 (EI) (in Chinese)
114. Fang, Ming-Chung , Lin, Yu-Hsien and Kao, Yi-Chien, 2014,08 “Applying the Optimized PD

- Controller to the Towing System in Waves” Journal of Taiwan Society of Naval Architects and Marine Engineers, Vol. 33, No.3, pp.135-144 (EI)
115. Fang, Ming-Chung , Wang, Shun-Ming , Wu, Mu-Chen and Lin, Yu-Hsien, 2015,01 “Applying the Self-Tuning Fuzzy Control with the Image Detection Technique on the Obstacle-Avoidance for Autonomous Underwater Vehicles” Ocean Engineering Vol.93, pp.11-24,USA, (SCI)
 116. Fang, Ming-Chung, Chen, Chung-Fan Chen and Wu, Chun-Hsien, 2015,02 “The Analysis on the Hydrodynamic Coefficients of the Heaving Floating Body Using the Two Dimensional High Order Panel Method” Journal of Taiwan Society of Naval Architects and Marine Engineers, Vol. 34, No.1, pp.11-19 (EI) (in Chinese)
 117. Fang, Ming-Chung and Lin, Yu-Hsien 2015,02 “The Optimization of Ship Weather-Routing Algorithm based on the Composite Influence of Multi-Dynamic Elements (II): Optimized Routings” Applied Ocean Research, 50, pp.130-140 (SCI)
 118. Fang, Ming-Chung and Lee, Zi-Yi, 2015, 09 ““An alternative portable dynamic positioning system on a barge in short-crested waves using the fuzzy control” Journal of Ocean System Engineering, Vol. 5, No. 3, pp199-220
 119. Fang, Ming-Chung, Hung, C. H. and Lee, Zi-Yi, 2015, 11 “Application of modified instantaneous depth control method on track keeping control of autonomous underwater vehicle” Journal of Taiwan Society of Naval Architects and Marine Engineers, Vol. 34, No.4, pp.207-217 (EI) (in Chinese)
 120. Fang, Ming-Chung and Lee, Zi-Yi, 2016, 01 “The Application of Neuro-Fuzzy Algorithm to Portable Dynamic Positioning Control System for Ships” International Journal of Naval Architecture and Ocean Engineering,7, pp.1-15 (SCI)
 121. Chang, J. P. and Fang, Ming-Chung, 2016, 05 “ Wave Effect on Depth-control Motions of a Submarine Near the Free Surface” Journal of Taiwan Society of Naval Architects and Marine Engineers, Vol.35, No.2, pp. 83-92 (EI)
 122. Fang, Ming-Chung, Lee, Z.-Y. and Syu, Y. C., 2016,11 “ The Study on The Sail-Assisted Ship with Automatic Steering Control” Journal of Taiwan Society of Naval Architects and Marine Engineers, Vol.35, No.4, pp. 155-162 (EI)
 123. Lin, Yu-Hsien, Wang, Shun-Ming , Huang, Lin-Chin, Fang, Ming-Chung, 2017, 07 “Applying the Stereo-Vision Detection Technique to the Development of Underwater Inspection Task with PSO-Based Dynamic Routing Algorithm for Autonomous Underwater Vehicles” Ocean Engineering, Vol. 139, pp. 127-139,USA, (SCI)
 124. 方銘川, 顏至鴻, 李子宜, 2018,02 “以船體動態反應預估船舶遭遇海況之研究” 中國造船暨輪機工程學刊, Vol.37, No.1, pp. 35-43 (EI)
 125. Fang, Ming-Chung, Tsai, Kun-Yuan and Fang, Chih-Chung 2018, 07 “A Simplified Simulation Model of the Ship Navigation for Safety and Collision Avoidance in Traffic Area” Journal of Navigation, Vol.71, No.4, pp. 837-866, USA, (SCI)
 126. 方銘川, 蔡坤遠, 2018. 11 “風浪因子對船舶避碰操縱影響之研究” , 中國造船暨輪機工程學刊, Vol.37, No.4, pp. 151-158 (EI)

127. Wang, Shun-Ming, Fang, Ming-Chung and Cheng-Neng Hwang, 2019,01 “Vertical Obstacle Avoidance and Navigation of Autonomous Underwater Vehicles with H^∞ Controller and the Artificial Potential Field Method” *Journal of Navigation*, ,Vol.72, No.1, pp. 207 – 228, USA, (SCI)
128. Fang, M.-C. Tsai, K.Y. and C.C. Fang ,2019, 06 “The Effect of Hydro-Meteorology on Ship Collision Avoidance in Heavy Traffic Areas with a Simplified Simulation Model” *Journal of Marine Science and Technology*, Vol.26, No.3, pp. 235 – 245,Taiwan, (SCI)
129. 方銘川, 顏吉顯, 2020,02 ” 波浪對不同側船體配置之三體船的迴旋運動影響分” *中國造船暨輪機工程學刊*, Vol.39, No.1, pp.13-23, (EI)
130. 方銘川, 曾怡禎, 徐玉樹, 2020,02 ” 具輔助風帆之船舶於不同海況中之操控模擬分析” *中國造船暨輪機工程學刊*, Vol.39, No.1, pp.1-11, (EI)
131. 方銘川, 鄭嘉賢, 吳俊賢, 2020,02 ” 瞬時波形中船體水下網格建立技術之研發” *中國造船暨輪機工程學刊*, Vol.39, No.1, pp.25-35, (EI)
132. Ming-Chung Fang and Chun-Hsien Wu 2022,05 “Study on the Improved Radiation Boundary Conditions Based on the Quadratic B-spline Rankine Panel Method.” *Journal of Marine Science and Technology*, 30(2):141–157, (SCI)
133. Chun-Hsien Wu and Ming-Chung Fang, 2022, “Prediction Of The Hydrodynamic Forces For A Ship Oscillating In Calm Water By An Improved Higher Order Rankine Panel Method” *Journal of Marine Science and Engineering* , 10(10), 1337 (SCI)