Curriculum Vitae

Personal Data

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Educational Background

2003-2006 Ph.D.

National Kaohsiung University of Science and Technology, Institute of Engineering Science and Technology, Kaohsiung, Taiwan.

2000-2002 M.S.

National Kaohsiung First University of Science and Technology, Department of Mechanical and Automation Engineering, Kaohsiung, Taiwan.

1995-1998 B.S.

National Cheng-Kung University, Department of Industrial and Information Management, Tainan, Taiwan.

Career Experiences

- Professor (August 2012 to present), Department of Healthcare Administration and Medical Informatics, Kaohsiung Medical University, Taiwan.
- Associate Professor (August 2009 to July 2012), Department of Healthcare Administration and Medical Informatics, Kaohsiung Medical University, Taiwan.
- Assistant Professor (August 2006 to July 2009), Department of Medical Information Management, Kaohsiung Medical University, Taiwan.

Research Projects

- Principal Investigator, “Quadratic Optimal Controllers Design of Time-Varying Fuzzy Dynamic Systems by Complementarily Fusing Legendre Series Approach and Genetic Algorithm”, Project Funded by the National Science Council, Taiwan (October 2006 to July 2007).
- Principal Investigator, “Design of Robust-Optimal Controllers for Parametric Uncertain Nonlinear Control Systems with Disturbances Using Complementarily Fusing Soft Computing and Hard Computing”, Project Funded by the Kaohsiung Medical University, Taiwan (December 2007 to July 2008).
- Principal Investigator, “Improved Differential Evolution Algorithm using Taguchi Method and Its Application on Optimization Model Reduction Problem for Control Systems”, Project Funded by the National Science Council, Taiwan (August 2008 to July 2009).
- Principal Investigator, “An Intelligent Decision Support System for Drug Safety Outcome of Vancomycin for Primary Antibiotic Treatment”, Project Funded by the Chi-Mei Medical Center and Kaohsiung University Research Foundation, Taiwan (May 2009 to April 2010).
- Principal Investigator, “A Developed Taguchi-Quantum-Genetic Algorithms and Its Applications of Design of Quadratic-Optimal Static Output Feedback Controllers for TS-Fuzzy-Model-Based Control Systems”, Project Funded by the National Science Council, Taiwan (August 2009 to July 2010).
- Principal Investigator, “Parameter Identification of An HIV Model Using Evolutional Algorithm”, Project Funded by the Chi-Mei Medical Center and Kaohsiung University Research Foundation, Taiwan (May 2010 to April 2011).
- Principal Investigator, “Data Mining for the Hepatocellular Carcinoma Patients' Long-term Prognosis Optimal Predicting Model and Its Decision Support Systems Design”, Project Funded by the National Science Council, Taiwan (August 2010 to July 2012).
- Principal Investigator, “An Intelligent Evolutionary Computational Model to Predict the Fungal Growth in Food Mycology”, Project Funded by the Chi-Mei Medical Center and Kaohsiung University Research Foundation, Taiwan (May 2011 to April

2012).

- Principal Investigator, "Modelling the growth of *Leuconostoc mesenteroides* by Artificial Neural Networks with Hybrid Taguchi-Genetic-Algorithm", Project Funded by the Chi-Mei Medical Center and Kaohsiung University Research Foundation, Taiwan (May 2012 to April 2013).
- Principal Investigator, "Mental-Model Concept with Data Mining Technology for Designing an Intelligent Clinical Diagnosis Cloud E-learning System", Project Funded by the National Science Council, Taiwan (August 2012 to July 2013).
- Principal Investigator, "Development of a Fuzzy Logic-Based Intelligent Assisted Systems Using Mobile Tablet for Hand Rehabilitation of Chronic Stroke Patients", Project Funded by the Ministry of Science and Technology, Taiwan (August 2014 to July 2015).
- Principal Investigator, "Development of Cloud Web POS Platform and Secure Transmission Module", Project Funded by the Ministry of Science and Technology, Taiwan (November 2014 to October 2015).
- Principal Investigator, "Design of Game-Based Motion Sensing Game Training Systems to Improve Visual-Motor Integration, School Participation and Life Quality for Children with Developmental Delay", Project Funded by the Ministry of Science and Technology, Taiwan (August 2015 to July 2016).
- Principal Investigator, "Development of Automation Precise Target Marketing System Applying Big Data Analysis of the Consumer Behavior Patterns", Project Funded by the Ministry of Science and Technology, Taiwan (November 2015 to October 2016).
- Principal Investigator, "Optimal Feature Solution of P-wave Morphology in Electrocardiogram Using Evolution Algorithms and Design of Intelligent Diagnostic Decision Support Systems in Atrial Fibrillation Patients", Project Funded by the Ministry of Science and Technology, Taiwan (August 2016 to July 2017).
- Principal Investigator, "Development of Intelligent Monitoring and Management System to Prevent Pressure Ulcer", Project Funded by the Ministry of Science and Technology, Taiwan (November 2016 to October 2017).

- Principal Investigator, "Development and Effectiveness Analysis of an Intelligent Visual Perception E-diagnosis Auxiliary System Based on Chaos Theory in EEG Signal Analysis for Children with Developmental Delay", Project Funded by the Ministry of Science and Technology, Taiwan (August 2017 to July 2018).
- Principal Investigator, "Study on Intelligent Auxiliary Sensing System of Resident Respiration for Long-Term Care", Project Funded by the Ministry of Science and Technology, Taiwan (November 2017 to October 2018).
- Principal Investigator, "Design of an Intelligent Heart and Lung Disease Diagnosis Auxiliary System based on Wavelet Transform of Heart and Lung Sound Feature Extraction", Project Funded by the Ministry of Science and Technology, Taiwan (August 2018 to July 2019).
- Principal Investigator, "Design and Development of Intelligent Early Detecting System with Photoplethysmography for Cardiac Disease Based on Data Assimilation Technology", Project Funded by the Ministry of Science and Technology, Taiwan (August 2019 to July 2020).
- Principal Investigator, "A Robust Optimization Framework for Deep Residual Neural Networks Using a Balance Appraisal Uniform Design Experimentation for Image Recognition of Retinal Macular Degeneration and Sound Detection of Heart Disease", Project Funded by the Ministry of Science and Technology, Taiwan (August 2020 to July 2021).

Refereed Journal Papers

1. Ho, W. H.*, B. T. Lin and J. H. Chou, 2003, "Robust multi-criteria optimal design for chain block H beam and container post", J. of Taiwan Society of Naval Architects and Marine Engineers, Vol. 22, pp. 53-61.
2. Ho, W. H. and J. H. Chou*, 2004, "Solutions of Takagi-Sugeno fuzzy-model-based dynamic equations via orthogonal functions", IEICE Trans. on Fundamentals of Electronics, Communications and Computer Sciences, Vol. E87-A, pp. 3439-3442. (SCI, EI)
3. Ho, W. H. and J. H. Chou*, 2005, "Shifted-Chebyshev-series solutions of Takagi-Sugeno fuzzy-model-based dynamic equations", Mathematics and Computers in

Simulation, Vol. 68, pp. 309-316. (SCI, EI)

4. Ho, W. H. and J. H. Chou*, 2005, "Solution of time-varying TS-fuzzy-model-based dynamic equations using shifted Chebyshev series approach", Int. J. of Systems Science, Vol. 36, pp. 767-776. (SCI, EI)
5. Huang, P. H., W. H. Ho* and J. H. Chou, 2005, "Robust quality design of printed circuit board", Electronic Monthly, Vol. 11(11), pp. 181-188.
6. Chen, C. H., W. H. Ho* and J. H. Chou, 2005, "Robust optimal parameters design of circuit elements for bandgap voltage reference using Taguchi method", Electricity Monthly, Vol. 16(4), pp. 206-214.
7. Su, K. W., W. H. Ho* and J. H. Chou, 2006, "Robust multiobjective quality design of rectifying filters by using Taguchi method and fuzzy relation approach", Electronics Monthly, Vol. 12(5), pp. 218-229.
8. Chen, C. C., W. H. Ho* and J. H. Chou, 2006, "Robust parameters design of electrolyte formula for electroplating", Chemical Technology, Vol. 14(9), pp. 184-192.
9. Hsu, G. M., J. T. Tsai, W. H. Ho* and J. H. Chou, 2006, "Optimal parameters design of TiO_2 thin film process", Chemical Technology, Vol. 14(10), pp. 205-217.
10. Lin, C. C., W. H. Ho*, B. T. Lin and J. H. Chou, 2006, "Application of adaptive network-based fuzzy inference system to predicting milling model", Mechatronics Magazine, Vol. 9(10), pp. 113-122.
11. Wu, C. L, W. H. Ho*, C. C. Wang and J. H. Chou, 2006, "Robust circuit design of two switch forward converter for AC/DC switching mode power supply", Electronics Monthly, Vol. 12(12), pp. 206-218.
12. Yu, C. T., W. H. Ho*, J. T. Tsai and J. H. Chou, 2007, "Adjusting model of base idle speed for gasoline engine using Taguchi method and adaptive network-based fuzzy inference system", J. of Mechatronic Industry, Vol. 25(5), pp. 116-126.
13. Ho, W. H.*, J. T. Tsai, C. H. Lin and J. H. Chou, 2007, "Optimal section scantling design for ship structures using response surface method and genetic algorithm", J. of Taiwan Society of Naval Architects and Marine Engineers, Vol. 26, pp. 39-50. (EI)
14. Ho, W. H. and J. H. Chou*, 2007, "Design of optimal controllers for Takagi-Sugeno

fuzzy model based systems", IEEE Trans. on Systems, Man and Cybernetics, Part A, Vol. 37, pp. 329-339. (SCI, EI)

15. Ho, W. H., J. T. Tsai and J. H. Chou*, 2007, "Robust-stable and quadratic-optimal control for TS-fuzzy-model-based control systems with elemental parametric uncertainties", IET Control Theory and Applications, Vol. 1, pp. 731-742. (SCI, EI)
16. Hsu, M. R., W. H. Ho and J. H. Chou*, 2007, "Numerical solutions of time-varying TS-fuzzy-model-based time-delay dynamic equations via orthogonal functions", Int. J. of Systems Science, Vol. 38, pp. 377-387. (SCI, EI)
17. Ho, W. H., J. T. Tsai, T. K. Liu and J. H. Chou*, 2007, "Optimal state-feedback control of time-varying TS-fuzzy-model-based systems by using an integrative computational approach", Int. J. of Innovative Computing, Information and Control, Vol. 3, pp. 873-885. (SCI, EI)
18. Wu, C. L, W. H. Ho*, J. T. Tsai and J. H. Chou, 2007, "Design of active clamp forward converter for switching mode power supply based on quality engineering", Electronic Techniques, Vol. 21(11), pp. 87-96.
19. Tsai, J. T., W. H. Ho, T. K. Liu and J. H. Chou*, 2007, "Improved immune algorithm for global numerical optimization and job-shop scheduling problems", Applied Mathematics and Computation, Vol. 194, pp. 406-424. (SCI, EI)
20. Hong, C. S., W. H. Ho*, J. T. Tsai and J. H. Chou, 2007, "Application of back propagation neural network to construct the blending model for 95 unleaded gasoline", Chemical Technology, Vol. 14(12), pp. 194-201.
21. Tsai, J. T., W. H. Ho and J. H. Chou*, 2008, "Design of two-dimensional recursive filters by using Taguchi-based immune algorithm", IET Signal Processing, Vol. 2, pp. 110-117. (SCI, EI)
22. Hsu, M. R., W. H. Ho* and J. H. Chou, 2008, "Stable and quadratic optimal control for the TS-fuzzy-model-based time-delay control systems", IEEE Trans. on Systems, Man and Cybernetics, Part A, Vol. 38, pp. 933-944. (SCI, EI)
23. Tsai, J. T., T. K. Liu, W. H. Ho and J. H. Chou*, 2008, "An improved genetic algorithm for job-shop scheduling problems using Taguchi-based crossover", Int. J. of Advanced Manufacturing Technology, Vol. 38, pp. 987-994. (SCI, EI)

24. Chen, S. H., W. H. Ho and J. H. Chou*, 2008, "Design of robust quadratic-optimal controllers for uncertain singular systems using orthogonal function approach and genetic algorithm", Optimal Control Applications and Methods, Vol. 29, pp. 373-391. (SCI, EI)
25. Ho, W. H., C. S. Chang*, Y. L. Shih and R. D. Liang, 2009, "Effects of job rotation and role stress among nurses on job satisfaction and organizational commitment", BMC Health Services Research, Vol. 9 (http://www.biomedcentral.com/1472-6963/9/8). (SCI)
26. Hsieh, C. H, W. H. Ho* and J. H. Chou, 2009, "Optimal PID controllers design of PWM feedback time-varying systems using orthogonal-functions approach and genetic algorithm", Int. J. of Innovative Computing, Information and Control, Vol. 5, pp. 387-397. (SCI, EI)
27. Ho, W. H., J. T. Tsai, B. T. Lin and J. H. Chou*, 2009, "Adaptive network-based fuzzy inference system for prediction of surface roughness in end milling process using hybrid Taguchi-genetic learning algorithm", Expert Systems With Applications, Vol. 36, pp. 3216-3222. (SCI, EI)
28. Tsai, J. T., W. H. Ho and J. H. Chou*, 2009, "Design of two-dimensional IIR digital structure-specified filters by using an improved genetic algorithm", Expert Systems With Applications, Vol. 36, pp. 6928-6934. (SCI, EI)
29. Ho, W. H., J. T. Tsai and J. H. Chou*, 2009, "Robust quadratic-optimal control of TS-fuzzy-model-based dynamic systems with both elemental parametric uncertainties and norm-bounded approximation error", IEEE Trans. on Fuzzy Systems, Vol. 17, pp. 518-531. (SCI, EI)
30. Chen, S. H., W. H. Ho, J. H. Chou* and S. K. Lin, 2009, "Robust quadratic finite-horizon optimal controllers design of uncertain active suspension systems", Proceedings of the Institution of Mechanical Engineers, Part I, J. of Systems and Control Engineering, Vol. 223, pp. 941-955. (SCI, EI)
31. Chen, S. H., W. H. Ho* and J. H. Chou, 2009, "Robust controllability of T-S fuzzy-model-based control systems with parametric uncertainties", IEEE Trans. on Fuzzy Systems, Vol. 17, pp. 1324-1335. (SCI, EI)

32. Chen, S. H., W. H. Ho* and J. H. Chou, 2009, "Design of robust quadratic finite-horizon optimal static output feedback controllers for linear uncertain singular systems", IEEE Systems Journal, Vol. 3, pp. 544-550. (SCI, EI)
33. Ho, W. H., S. H. Chen*, J. H. Chou and T. C. Wang, 2010, "Design of robust optimal eigenvalue-assignable output feedback PID controllers for linear uncertain multivariable systems via orthogonal function approach and genetic algorithm", Int. J. of Innovative Computing, Information and Control, Vol. 6, pp. 409-422. (SCI, EI)
34. Ho, W. H., J. T. Tsai, G. M. Hsu and J. H. Chou*, 2010, "Process parameters optimization: a design study for TiO_2 thin film of vacuum sputtering process", IEEE Trans. on Automation Science and Engineering, Vol. 7, pp. 143-146. (SCI, EI)
35. Ho, W. H., J. H. Chou* and C. Y. Guo, 2010, "Parameter identification of chaotic systems using improved differential evolution algorithm", Nonlinear Dynamics, Vol. 61, pp. 29-41. (SCI, EI)
36. Ho, W. H.*, C. H. Hsieh, and J. H. Chou, 2010, "Optimal course handling control for nonlinear ship maneuvering systems", Int. J. of Innovative Computing, Information and Control, Vol. 6, pp. 4379-4388. (SCI, EI)
37. Ho, W. H., S. H. Chen, T. K. Liu and J. H. Chou*, 2010, "Design of robust-optimal output feedback controllers for linear uncertain systems using LMI-based approach and genetic algorithm", Information Sciences, Vol. 180, pp. 4529-4542. (SCI, EI)
38. Chen, C. C., F. Y. Chou and W. H. Ho*, 2010, "Labview implementation for PC-based fuzzy control systems", Mechatronics Magazine, No. 147, pp. 97-103.
39. Hou, Y. Y., C. H. Yang, W. H. Ho, W. L. Wu, J. J. Chang, H. T. Lin and L. Y. Guo*, 2010, "Effect of the shoulder-neck muscle activations in mouse operation postures with/without upper extremity support", Formosan J. of Physical Therapy, Vol. 35, pp. 300-307.
40. Ho, W. H. and A. L. F. Chan*, 2011, "Hybrid Taguchi-differential evolution algorithm for parameter estimation of differential equation models with application to HIV dynamics", Mathematical Problems in Engineering, Vol. 2011, Article ID 514756. (SCI, EI)
41. Tsai, J. T., W. H. Ho, J. H. Chou* and C. Y. Guo, 2011, "Optimal approximation of

linear systems using Taguchi-sliding-based differential evolution algorithm", Applied Soft Computing, Vol. 11, pp. 2007-2016. (SCI, EI)

42. Chen, S. H., W. H. Ho, J. H. Chou* and L. A. Zheng, 2011, "Robust-optimal active vibration controllers design of flexible mechanical systems via orthogonal function approach and genetic algorithm", J. of Vibration and Control, Vol. 17, pp. 223-234. (SCI, EI)
43. Ho, W. H. and C. S. Chang*, 2011, "Genetic-algorithm-based artificial neural network modeling for platelet transfusion requirements on acute myeloblastic leukemia patients", Expert Systems With Applications, Vol. 38, pp. 6319-6323. (SCI, EI)
44. Ho, W. H., J. X. Chen, I N. Lee and H. C. Su*, 2011, "An ANFIS-based model for predicting adequacy of vancomycin regimen using improved genetic algorithm", Expert Systems With Applications, Vol. 38, pp. 13050-13056. (SCI, EI)
45. Chen, S. H., W. H. Ho, J. H. Chou* and L. A. Zhang, 2011, "Design of robust-stable and quadratic finite-horizon optimal active vibration controllers with low trajectory sensitivity for the uncertain flexible mechanical systems using an integrative computational method", Applied Soft Computing, Vol. 11, pp. 4830-4838. (SCI, EI)
46. Chen, C. F., W. H. Ho, H. Y. Chou, S. M. Yang, I T. Chen, and H. Y. Shi*, 2011, "Long-term prediction of emergency department revenue and visitor volume using autoregressive integrated moving average model", Computational and Mathematical Methods in Medicine, Vol. 2011, Article ID 395690. (SCI)
47. Ho, W. H., S. H. Chen, I T. Chen, J. H. Chou* and C. C. Shu, 2012, "Design of stable and quadratic-optimal static output feedback controllers for TS-fuzzy-model-based control systems: an integrative computational approach", Int. J. of Innovative Computing, Information and Control, Vol. 8, pp. 403-418. (SCI, EI)
48. Ho, W. H., K. T. Lee, H. Y. Chen, T. W. Ho and H. C. Chiu*, 2012, "Disease-free survival after hepatic resection in hepatocellular carcinoma patients: a prediction approach using artificial neural network", PLoS ONE, Vol. 7, e29179. (SCI)
49. Ho, W. H.*, 2012, "Takagi-Sugeno fuzzy model of nonlinear HIV dynamics: Chebyshev-series approach integrated with genetic algorithm", Int. J. of Innovative

Computing, Information and Control, Vol. 8, pp. 1439-1452. (SCI, EI)

50. Shi, H. Y., K. T. Lee, H. H. Lee, W. H. Ho, D. P. Sun, J. J. Wang and C. C. Chiu*, 2012, "Comparison of artificial neural network and logistic regression models for predicting in-hospital mortality after primary liver cancer surgery", PLoS ONE, Vol. 7, e35781. (SCI)
51. Chen, S. H., W. H. Ho, J. H. Chou* and F. Lu, 2012, "Design of robust-stable and quadratic finite-horizon optimal active vibration controllers with low trajectory sensitivity for the uncertain flexible rotor systems via the orthogonal-functions approach and the hybrid Taguchi-genetic algorithm", J. of Vibration and Control, Vol. 18, pp. 924-940. (SCI, EI)
52. Ho, W. H., J. T. Tsai and H. Y. Wang*, 2012, "Neural fuzzy network model with evolutionary learning algorithm for mycological study of foodborne fungi", Int. J. of Innovative Computing, Information and Control, Vol. 8, pp. 4565-4577. (SCI, EI)
53. Ho, W. H. and J. H. Chou*, 2012, "Comment on evolutionary design of static output feedback controller for Takagi-Sugeno fuzzy systems", IET Control Theory and Applications, Vol. 6, pp. 1325-1327. (SCI, EI)
54. Chen, S. H., W. H. Ho, J. H. Chou* and M. H. Lin, 2012, "Design of robust-optimal controllers with low trajectory sensitivity for uncertain Takagi-Sugeno fuzzy model systems using differential evolution algorithm", Optimal Control Applications and Methods, Vol. 33, pp. 696-712. (SCI, EI)
55. Tsai, J. T., J. H. Chou and W. H. Ho*, 2012, "Improved quantum-inspired evolutionary algorithm for engineering design optimization", Mathematical Problems in Engineering, Vol. 2012, Article ID 836597. (SCI, EI)
56. Chen, S. H., W. H. Ho and J. H. Chou*, 2012, "Robust local regularity and controllability of uncertain TS fuzzy descriptor systems", J. of Applied Mathematics, Vol. 2012, Article ID 825416. (SCI, EI)
57. Shi, H. Y., H. H. Lee, J. T. Tsai, W. H. Ho, C. F. Chen, K. T. Lee and C. C. Chiu*, 2012, "Comparisons of prediction models of quality of life after laparoscopic cholecystectomy: a longitudinal prospective study", PLoS ONE, Vol. 7, e51285. (SCI)

58. Chang, H. W., Y. H. Chiu, H. Y. Kao, C. H. Yang and W. H. Ho*, 2013, "Comparison of classification algorithms with wrapper-based feature selection for predicting osteoporosis outcome based on genetic factors in a Taiwanese women population", Int. J. of Endocrinology, Vol. 2013, Article ID 850735. (SCI)
59. W. H. Ho*, S. H. Chen and J. H. Chou, 2013, "Observability robustness of uncertain fuzzy-model-based control systems", Int. J. of Innovative Computing, Information and Control, Vol. 9, pp. 805-819. (EI)
60. Chen, I T., J. T. Tsai, C. F. Wen and W. H. Ho*, 2013, "Artificial neural network with hybrid Taguchi-genetic algorithm for nonlinear MIMO model of machining processes", Int. J. of Innovative Computing, Information and Control, Vol. 9, pp. 1455-1475. (EI)
61. Chiu, H. C., T. W. Ho, K. T. Lee, H. Y. Chen and W. H. Ho*, 2013, "Mortality predicted accuracy for hepatocellular carcinoma patients with hepatic resection using artificial neural network", Scientific World Journal, Vol. 2013, Article ID 201976. (SCI)
62. Ho, W. H., S. H. Chen and J. H. Chou*, 2013, "Optimal control of Takagi-Sugeno fuzzy-model-based systems representing dynamic ship positioning systems", Applied Soft Computing, Vol. 13, pp. 3197-3210. (SCI, EI)
63. Tsai, J. T., W. H. Ho and Y. M. Chen*, 2013, "Optimized drug scheduling for cancer chemotherapy using improved immune algorithm", Int. J. of Innovative Computing, Information and Control, Vol. 9, pp. 2821-2838. (EI)
64. Wang, H. Y., C. F. Wen, Y. H. Chiu, I N. Lee, H. Y. Kao, I C. Lee and W. H. Ho*, 2013, "*Leuconostoc Mesenteroides* growth in food products: prediction and sensitivity analysis by adaptive network-based fuzzy inference systems", PLoS ONE, Vol. 8, e64995. (SCI)
65. Wu, S. J., L. Y. Chuang, Y. D. Lin, W. H. Ho, F. T. Chiang, C. H. Yang* and H. W. Chang*, 2013, "Particle swarm optimization algorithm for analyzing SNP-SNP interaction of renin-angiotensin system genes against hypertension", Molecular Biology Reports, Vol. 40, pp. 4227-4233. (SCI)
66. Chen, S. H., W. H. Ho, J. T. Tsai and J. H. Chou*, 2014, "Regularity and

controllability robustness of TS fuzzy descriptor systems with structured parametric uncertainties", Information Sciences, Vol. 277, pp. 36-55. (SCI, EI)

67. Lur, Y. Y., W. H. Ho, T. H. Lu and C. F. Wen*, 2014, "Approximate solutions for continuous-time quadratic fractional programming problems", Taiwanese Journal of Mathematics, Vol. 18, pp. 1791-1826. (SCI, EI)
68. Ho, W. H., J. T. Tsai, J. H. Chou* and J. B. Yue, 2016, "Intelligent hybrid Taguchi-genetic algorithm for multi-criteria optimization of shaft alignment in marine vessels", IEEE Access, Vol. 4, pp. 2304-2313. (SCI, EI)
69. Kuo, F. R., Y. Y. Chin, C. H. Lee, Y. H. Chiu, C. H. Hong, K. L. Lee, W. H. Ho* and C. H. Lee*, 2016, "Web-based learning system for developing and assessing clinical diagnostic skills for dermatology residency education program", Educational Technology and Society, Vol. 19, pp. 194-206. (SSCI)
70. Lin, H. C., Y. H. Chiu, Y. J. Chen, Y. P. Wuang, C. P. Chen, C. C. Wang, C. L. Huang, T. M. Wu and W. H. Ho*, 2017, "Continued use of an interactive computer game-based visual perception learning system in children with developmental delay", International Journal of Medical Informatics, Vol. 107, pp. 76-87. (SCI, EI)
71. Ho, W. H., Y. H. Chiu and Y. J. Chen*, 2018, "Multi-objective Pareto adaptive algorithm for capacitated lot-sizing problems in glass lens production", Applied Mathematical Modelling, Vol. 53, pp. 731-738. (SCI, EI)
72. Chiu, Y. H., T. W. Chen, Y. J. Chen, C. I Su, K. S. Hwang and W. H. Ho*, 2018, "Fuzzy logic-based mobile computing system for hand rehabilitation after neurological injury", Technology & Health Care, Vol. 26, pp. 17-27. (SCI)
73. Tang, W. H., Y. J. Chang, Y. J. Chen* and W. H. Ho*, 2018, "Genetic algorithm with Gaussian function for optimal P-wave morphology in electrocardiography for atrial fibrillation patients", Computers and Electrical Engineering, Vol. 67, pp. 52-57. (SCI)
74. Wuang, Y. P., Y. H. Chiu, Y. J. Chen, C. P. Chen, C. C. Wang, C. L. Huang, T. M. Wu and W. H. Ho*, 2018, "Game-based auxiliary training system for improving visual perceptual dysfunction in children with developmental delay: a proposed design and evaluation", Computers & Education, Vol. 124, pp. 27-36. (SSCI, SCI)

75. Lin, H. C., Y. J. Chen, C. C. Chen* and W. H. Ho*, 2018, "Expectations of social networking site users who share and acquire health-related information", Computers and Electrical Engineering, Vol. 69, pp. 808-814. (SCI)
76. Ho, W. H., Y. J. Chen*, Y. Zhang and Y. Tao, 2018, "Heart diseases detection from noisy recordings of smartphone devices", Journal of Mechanics in Medicine and Biology, Vol. 18, 1850039. (SCI)
77. Yang, Y. S., C. T. Pan and W. H. Ho*, 2018, "Sensor-based remote temperature and humidity monitoring device for wheelchair cushion", Sensors and Materials, Vol. 30, pp. 1807-1814. (SCI)
78. Lin, H. C. and W. H. Ho*, 2018, "Cultural effects on use of online social media for health-related information acquisition and sharing in Taiwan", International Journal of Human-Computer Interaction, Vol. 34, pp. 1063-1076. (SSCI)
79. Tang, W. H., W. H. Ho* and Y. J. Chen*, 2018, "Retrieving hidden atrial repolarization waves from standard surface ECGs", Biomedical Engineering Online, Vol. 17, Article ID 146. (SCI)
80. Tang, W. H., W. H. Ho* and Y. J. Chen*, 2018, "Multisource decision making and data assimilation in systems biology with unobtrusive devices based on internet of things", Biomedical Engineering Online, Vol. 17, Article ID 147. (SCI)
81. Chen, Y. J. and W. H. Ho*, 2019, "Evolutionary algorithm in adaptive neuro-fuzzy inference system for modeling the growth of foodborne fungi", Journal of Intelligent and Fuzzy Systems, Vol. 36, pp. 1033-1039. (SCI)
82. Chen, P. C., S. H. Hsu, Y. J. Chen*, W. H. Ho* and C. P. Hsu, 2019, "Risk assessment of urinary tract infections for patients receiving dapagliflozin", Journal of Intelligent and Fuzzy Systems, Vol. 36, pp. 1041-1048. (SCI)
83. Chen, Y. M., W. H. Ho*, Y. J. Chen*, K. S. Chen, W. H. Liu, 2019, "Disease severity assessment and ordering of patients in ICU by using a Bayesian network", Journal of Intelligent and Fuzzy Systems, Vol. 36, pp. 1049-1055. (SCI)
84. Zhang, L.*, Q. Wei, L. Zhang, B. Wang and W. H. Ho*, 2020, "Diversity balancing for two-stage collaborative filtering in recommender systems", Applied Sciences, Vol. 10, Article ID 1257. (SCI)

85. Chou, F. I, W. H. Ho, Y. J. Chen*, J. T. Tsai* , C. W. Chang, 2020, "Detecting mixed intrusion in high adaptability using artificial immune system and parallelized automata", Applied Sciences, Vol. 10, Article ID 1566. (SCI)
86. Jean, M. D., C. W. Liu, P. H. Yang and W. H. Ho*, 2020, "Optimization of wear behavior of DLC coatings through optimization of deposition conditions", Materials Science-Medziagotyra, Vol. 26, pp. 269-280. (SCI)
87. Chen, Y. J., W. H. Ho*, H. W. Kuo and T. W. Kao, 2020, "Repositioning conflicting partners under inventory risks", IEEE Transactions on Engineering Management, Vol. 67, pp. 454-465. (SCI, SSCI)
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