

個人資料一

基本資料

中文姓名	英文姓名	
鮑永誠	Yeong-Cheng Liou (Pao)	

主要學歷

畢／肄業學校	國別	主修學門系所	學位	起訖年月
元智大學	中華民國	工業工程與管理研究所 OR 組	博士	1995/09 至 2000/06

現職及與專長相關之經歷

服務機關	服務部門／系所	職稱	起訖年月
現職：高雄醫學大學	醫務管理暨醫療資訊系	教授	2016/ 08 起至今
經歷：正修科技大學	資訊管理系	教授兼系主任、所長	2012/ 08 起 2016/ 07

專長

1. Optimization & nonlinear (decision) analysis	2. Fixed point theory & cryptography	3. Content & knowledge management systems	4. Intelligent system & machine (statistical) learning
5. Supply chain & logistics management	6. Economic computing & finance engineering	7. Social network & big data analysis	8. Algorithms & software (system) engineering

國際期刊審查委員

- 擔任 Thomson Reuters (ISI) 期刊 *Journal of Applied Mathematics*, Special Issue on Applications of Fixed Point and Approximate Algorithms from

2011-2012 之 Guest Editor, <http://www.hindawi.com/journals/jam/si/afp/>

2. 擔任 Thomson Reuters (ISI) 期刊 *Abstract and Applied Analysis*, Special Issue on Analytical and Algorithmic Approach to Nonlinear analysis and Optimization Problems with Applications from 2012-2013 之 Guest Editor, <http://www.hindawi.com/journals/aaa/si/170752/cfp/>
3. 擔任期刊 *Journal of Advanced Mathematical Studies* 2013.01.01-now 之 Associate Editor Board, <http://journal.fairpartners.ro/index.php>
4. 擔任國際期刊審查委員: some SCI journals like *Journal of Optimization Theory and Applications*, *Journal of Global Optimization*, *Journal of Mathematical Analysis and Applications*, *Applied Mathematics Letters*, *Journal of Industrial and Management Optimization*, *Computers and Mathematics with Applications*, *Journal of Convex and Nonlinear Analysis*, *Taiwanese Journal of Mathematics*, *Nonlinear Analysis Series A: Theory, Methods & Applications*, *Applied Mathematics and Computation*, *Inverse Problems*, *Abstract and Applied Analysis*, *Journal of Nonlinear Science and Applications*, *Journal of Inequalities and Applications*, etc.

國際期刊論文發表

(A) 期刊論文(Journal Paper)

1. S.M. Guu* and Y.C. Liou. On a quadratic optimization problem with equality constraints, *Journal of Optimization Theory and Applications* **98**(3), 733-741, Sep. 1998 (supported by NSC **89-2218-E-218-014**; SCI, OPERATIONS RESEARCH & MANAGEMENT SCIENCE **IF: 1.011**, **RF: 75/236**).
2. Y.C. Liou* and S.M. Guu. Linear-time algorithm for the fuzzy weighted average method, *Journal of Chinese Institute of Industrial Engineers* **19**(3), 7-12, May 2002 (EI).
3. Y.C. Liou and J.C. Yao*. Bilevel decision via variational inequalities, *Computers & Mathematics with Applications* **49**(7-8), 1243-1253, 2005 (supported by NSC **91-2213-E-218-026**; SCI, MATHEMATICS, APPLIED **IF: 1.472**, **RF: 33/236**), [doi: 10.1016/j.camwa.2004.05.014](https://doi.org/10.1016/j.camwa.2004.05.014).
4. Y.C. Liou, S.Y. Wu* and J.C. Yao. Bilevel decision with generalized semi-infinite optimization for fuzzy mappings as lower level problems, *Fuzzy Optimization and Decision Making* **4**, 41-50, 2005 (SCI, OPERATIONS RESEARCH & MANAGEMENT SCIENCE **IF: 1.059**, **RF: 31/74**).
5. Y.C. Liou, X.Q. Yang and J.C. Yao*. Mathematical programs with vector optimization constraints, *Journal of Optimization Theory and Applications*

- 126(2), 345-355, Aug. 2005 (supported by NSC 92-2213-E-218-016; SCI, OPERATIONS RESEARCH & MANAGEMENT SCIENCE IF: 1.011, RF: 75/236), doi: 10.1007/s10957-005-4720-4.
6. X.P. Ding*, Y.C. Liou and J.C. Yao. Generalized R-KKM type theorems in topological spaces with applications, *Applied Mathematics Letters* **18**(12), 1345-1350, 2005 (supported by NSC 93-2213-E-230-017; SCI, MATHEMATICS, APPLIED IF: 0.978, RF: 78/236), doi: 10.1016/j.aml.2005.02.022.
 7. X.P. Ding and Y.C. Liou*. Bilevel optimization problems in topological spaces, *Taiwanese Journal of Mathematics* **10**(1), 173-179, Jan. 2006 (supported by NSC 94-2213-E-230-006; SCI, MATHEMATICS IF: 0.530, RF: 167/277).
 8. Y.C. Liou, S. Schaible and J.C. Yao*. Supply chain inventory management via a Stackelberg equilibrium, *Journal of Industrial and Management Optimization* **2**(1), 81-94, Feb. 2006 (supported by NSC 94-2213-E-230-006 and CSU 95-17; SCI, OPERATIONS RESEARCH & MANAGEMENT SCIENCE IF: 1.120, RF: 29/74).
 9. K. Kimura, Y.C. Liou and J.C. Yao*. A parametric equilibrium problem with applications to optimization under equilibrium constraints, *Journal of Nonlinear and Convex Analysis* **7**(2), 211-236, Aug. 2006 (supported by NSC 94-2213-E-230-006; SCI, MATHEMATICS IF: 0.655, RF: 134/310).
 10. Y. Yao, Y.C. Liou and J.C. Yao*. An iterative algorithm for approximating convex minimization problem, *Applied Mathematics and Computation* **188**(1), 648-656, May 2007 (supported by NSC 95-2221-E-230-017; SCI, MATHEMATICS, APPLIED IF: 1.534, RF: 28/310), doi:10.1016/j.amc.2006.10.039.
 11. Y. Yao*, Y.C. Liou and R. Chen. Strong convergence of an iterative algorithm for pseudocontractive mappings in Banach spaces, *Nonlinear Analysis Series A: Theory, Methods & Applications* **67**(12), 3311-3317, Dec. 2007 (supported by NSC 95-2221-E-230-017; SCI, MATHEMATICS IF: 1.487, RF: 26/277), doi:10.1016/na.2006.10.013.
 12. Y. Yao, Y.C. Liou and J.C. Yao*. An extragradient method for fixed point problems and variational inequality problems, *Journal of Inequalities and Applications* **2007**, Article ID 38752, 12 pages, Dec. 2006 (supported by NSC 95-2221-E-230-017; SCI, MATHEMATICS IF: 0.773, RF: 97/310), doi:10.1155/2007/38752.
 13. K. Kimura, Y.C. Liou and J.C. Yao*. Semicontinuity of the solution mapping of ε -vector equilibrium problem, *Pacific Journal of Optimization*

- 3(2), 345-359, May 2007 (supported by NSC 95-2221-E-230-017; SCI, MATHEMATICS, APPLIED IF: 0392, RF: 204/236).
14. Y. Yao and Y.C. Liou*. Strong convergence to common fixed points of a finite family of asymptotically nonexpansive map, *Taiwanese Journal of Mathematics* **11**(3), 849-865, Aug. 2007 (supported by NSC 95-2221-E-230-017; SCI, MATHEMATICS IF: 0.530, RF: 167/277).
 15. Y. Yao, Y.C. Liou* and R. Chen. Iteration scheme with perturbed mapping for common fixed points of a finite family of nonexpansive mappings, *Fixed Point Theory and Applications* **2007**, Article ID 29091, 10 pages, Feb. 2007 (supported by NSC 95-2221-E-230-017, SCI, MATHEMATICS IF: 2.503, RF: 6/310), doi:10.1155/2007/29091.
 16. Y.C. Liou*. Semicontinuity of the solution mapping of ε -vector equilibrium problems, *Information Sciences* **2007**, 323-330 (supported by NSC 95-2221-E-230-017; EI), doi:10.1142/9789812709677_0046.
 17. Y. Yao, M.A. Noor*, R. Chen and Y.C. Liou. An iterative method for fixed point problems and variational inequality problems, *Mathematical Communications* **12**(1), 121-132, Aug. 2007 (supported by NSC 95-2221-E-230-017; SCI, MATHEMATICS IF: 0.176, RF: 266/277).
 18. Y.C. Liou*, Y. Yao and K. Kimura. Strong convergence to common fixed points of a finite family of nonexpansive mappings, *Journal of Inequalities and Applications* **2007**, Article ID 37513, 10 pages, May 2007 (supported by NSC 95-2221-E-230-017; SCI, MATHEMATICS IF: 0.773, RF: 97/310), doi:10.1155/2007/37513.
 19. Y. Yao, Y.C. Liou and J.C. Yao*. Convergence theorem for equilibrium problems and fixed point problems of infinite family of nonexpansive mappings, *Fixed Point Theory and Applications* **2007**, Article ID 64363, 12 pages, Aug. 2007 (supported by NSC 95-2221-E-230-017; SCI, MATHEMATICS IF: 2.503, RF: 6/310), doi:10.1155/2007/64363 (ESI Highly Cited Papers).
 20. Y. Yao, Y.C. Liou and M.A. Noor*. On modified Noor iterations for nonexpansive mappings, *Journal of Mathematical Inequalities* **1**(2), 165-181, 2007 (supported by NSC 95-2221-E-230-017; SCI, MATHEMATICS IF: 0.632, RF: 145/310).
 21. Y. Yao* and Y.C. Liou. Strong convergence theorems for infinite countable nonexpansive mappings and image recovery problem, *Journal of the Korean Mathematical Society* **45**(6) (2008), 1591-1600, Nov. 2008 (supported by NSC 95-2221-E-230-017; SCI, MATHEMATICS IF: 0.464, RF: 192/277).

22. Y. Yao*, Y.C. Liou and R. Chen. A general iterative method for an infinite family of nonexpansive mappings, *Nonlinear Analysis Series A: Theory, Methods & Applications* (2008) **69**, 1644-1654, July 2007 (supported by NSC 95-2221-E-230-017; SCI, MATHEMATICS IF: 1.487, RF: 26/277), doi:10.1016/j.na.2007.07.013.
23. Q.H. Ansari, Y.C. Liou*, V. Obukhovskii, and N.C. Wong. Topological degree methods in boundary value problems for degenerate functional differential inclusions with infinite delay, *Taiwanese Journal of Mathematics* **12**(7), 1827-1847, Oct. 2008 (supported by NSC 95-2221-E-230-017; SCI, MATHEMATICS IF: 0.530, RF: 167/277).
24. K. Kimura, Y.C. Liou, S.Y. Wu and J.C. Yao*. Well-posedness for parametric vector equilibrium problems with applications, *Journal of Industrial and Management Optimization* **4**(2), 313-327, May 2008 (supported by NSC 95-2221-E-230-017; SCI, OPERATIONS RESEARCH & MANAGEMENT SCIENCE IF: 0.638, RF: 55/74).
25. Y.C. Liou, V. Obukhovskii and J.C. Yao*. Application of a coincidence index to some classes of impulsive control systems, *Nonlinear Analysis Series A: Theory, Methods & Applications* (2008) **69**, 4392-4411, Nov. 2008 (SCI, MATHEMATICS IF: 1.487, RF: 26/277), doi:10.1016/j.na.2007.10.061.
26. Y. Yao* and Y.C. Liou. Convergence of an iterative method for a finite family of m-accretive and pseudocontractive mappings, *International Journal of Applied Mathematics and Mechanics* **4**(1), 12-23, Nov. 2007 (supported by NSC 96-2221-E-230-003).
27. Y. Yao, M.A. Noor*, R. Chen and Y.C. Liou. Strong convergence of three-step relaxed hybrid steepest-descent methods for variational inequalities, *Applied Mathematics and Computation* (2008) **201**, 175-183, Dec. 2007 (supported by NSC 95-2221-E-230-017; SCI, MATHEMATICS, APPLIED IF: 1.534, RF: 28/310), doi:10.1016/j.amc.2007.12.011.
28. Y. Yao* and Y.C. Liou. Weak and strong convergence of Krasnoselski-Mann iteration for hierarchical fixed point problems, *Inverse Problems* **24**, 501-508, Jan. 2008 (supported by NSC 96-2221-E-230-003; SCI, MATHEMATICS, APPLIED IF: 2.124, RF: 12/236), doi:10.1088/0266-5611/24/1/015015.
29. Y.C. Liou* and Y. Yao. Iterative algorithms for nonexpansive mappings, *Fixed Point Theory and Applications* **2008**, Article ID 384629, 10 pages, Nov. 2007 (supported by NSC 96-2221-E-230-003; SCI, MATHEMATICS IF: 2.503, RF: 6/310), 10 pages, doi:10.1155/2007/384629.

30. Y. Yao* and Y.C. Liou. Strong convergence of an implicit iteration algorithm for a finite family of pseudo contractive mappings, *Journal of Inequalities and Applications* **2008**, Article ID 280908, 10 pages, Jan. 2008 (supported by NSC 96-2221-E-230-003; SCI, MATHEMATICS IF: 0.773, RF: 97/310), doi:10.1155/2008/280908.
31. Y. Yao, Y.C. Liou and J.C. Yao*. A new hybrid iterative algorithm for fixed point problems, variational inequality problems and mixed equilibrium problems, *Fixed Point Theory and Applications* **2008**, Article ID 417089, 15 pages, Feb. 2008 (supported by NSC 95-2221-E-230-017; SCI, MATHEMATICS IF: 2.503, RF: 6/310), doi:10.1155/2008/417089.
32. Y. Yao*, Y.C. Liou and H. Zhou. Iterative algorithms with variable anchors for nonexpansive mappings, *Journal of Applied Mathematics and Computing* **28**, 39-49, Mar. 2008 (supported by NSC 96-2221-E-230-003, EI), doi: 10.1007/s12190-008-0074-z.
33. Y. Yao*, Y.C. Liou and R. Chen. Convergence theorems for fixed point problems and variational inequality problems, *Journal of Nonlinear and Convex Analysis* **9**(2), 239-248, Mar. 2008 (supported by NSC 96-2221-E-230-003; SCI, MATHEMATICS IF: 0.655, RF: 134/310).
34. Y. Yao, M.A. Noor* and Y.C. Liou. Extragradient method for equilibrium problems and variational inequalities, *Albanian Journal of Mathematics* **2**(1), 125-138, 2008 (supported by NSC 96-2221-E-230-003).
35. Y. Yao*, Y.C. Liou and H. Zhou. Strong convergence of a modified Krasnoselski-Mann iterative algorithm for nonexpansive mappings, *Journal of Applied Mathematics and Computing* **29**(1-2), 383-389, Aug. 2008 (supported by NSC 96-2221-E-230-003, EI), doi:10.1007/s12190-008-0139-z
36. Y. Yao*, Y.C. Liou and R. Chen. Convergence theorems for fixed point problems and variational inequality problems in Hilbert spaces, *Mathematische Nachrichten* **282**(12), 1827-1835, Sep. 2008 (supported by NSC 96-2221-E-230-003; SCI, MATHEMATICS IF: 0.653, RF: 114/277), doi:10.1002/mana.200610817.
37. Y.C. Liou, V. Obukhovskii and J.C. Yao*. Controllability for a class of degenerate functional differential inclusions in a Banach space, *Taiwanese Journal of Mathematics* **12**(8), 2179-2200, Nov. 2008 (supported by NSC 97-2221-E-230-017; SCI, MATHEMATICS IF: 0.530, RF: 167/277).
38. Y. Yao*, Y.C. Liou and G. Marino. Two-step iterative algorithms for hierarchical fixed point problems and variational inequality problems, *Journal of Applied Mathematics and Computing* **31**(1-2), 433-445, Dec. 2008

(supported by NSC 97-2221-E-230-01, EI), doi: 10.1007/s12190-008-0222-5.

39. Y. Yao, Y.C. Liou, C. Lee and M.M. Wong*. Convergence theorem for equilibrium problems and fixed point problems, *Fixed Point Theory-An International Journal on Fixed Point Theory, Computation and Applications* **10**(2) (2009), 347-363, May 2009 (supported by NSC 95-2221-E-230-017; SCI, MATHEMATICS IF: **1.030**, RF: **48/277**).
40. Y. Yao, M.A. Noor* and Y.C. Liou. On iterative methods for equilibrium problems, *Nonlinear Analysis Series A: Theory, Methods & Applications* **70** (2009), 497-509, Dec. 2007 (SCI, MATHEMATICS IF: **1.487**, RF: **26/277**), doi: 10.1016/j.na.2007.12.021 (Top 100 most cited Chinese papers published in international journals in 2009 from 2010 Statistical Data of Chinese S&T Papers).
41. L.C. Ceng, S. Huang* and Y.C. Liou. Hybrid proximal point algorithms for solving constrained minimization problems in Banach spaces, *Taiwanese Journal of Mathematics* **13**(2B), 805-820, Apr. 2009 (SCI, MATHEMATICS IF: **0.530**, RF: **167/277**).
42. Y. Yao*, H. Zhou and Y.C. Liou. Weak and strong convergence theorems for an asymptotically k-strict pseudo-contraction and a mixed equilibrium problem, *Journal of the Korean Mathematical Society* (2009) **46**(3), 561-576, May 2009 (supported by NSC 96-2221-E-230-003; SCI, MATHEMATICS IF: **0.464**, RF: **192/277**), doi: 10.4134/JKMS.2009.46.3.561.
43. Y. Yao*, Y.C. Liou and H. Zhou. Strong convergence of an iterative method for nonexpansive mappings with new control conditions, *Nonlinear Analysis Series A: Theory, Methods & Applications* (2009) **70**, 2332-2336, Mar. 2008 (supported by NSC 96-2221-E-230-003; SCI, MATHEMATICS IF: **1.487**, RF: **26/277**), doi:10.1016/j.na.2008.03.014.
44. B.T. Kien, Y.C. Liou, N.C. Wong and J.C. Yao*. Subgradients of value functions in parametric dynamic programming, *European Journal of Operational Research* **193** (2009), 12-22, Oct. 2007 (SCI, OPERATIONS RESEARCH & MANAGEMENT SCIENCE IF: **2.158**, RF: **6/74**), doi:10.1016/j.ejor.2007.10.028.
45. Y. Yao, Y.C. Liou and S.M. Kang*. Strong convergence of an iterative algorithm on an infinite countable family of nonexpansive mappings, *Applied Mathematics and Computation* (2009) **208**, 211-218, Nov. 2008 (supported by NSC 96-2221-E-230-003; SCI, MATHEMATICS, APPLIED IF: **1.534**, RF: **28/310**), doi:10.1016/j.amc.2008.11.038.
46. Y. Yao, Y.C. Liou and G. Marino*. An iterative scheme for generalized

- equilibrium problems and fixed points problems of strictly pseudo-contractive mappings, *Communications on Applied Nonlinear Analysis* (2009) **16**(1), 37-48, Nov. 2008 (supported by NSC 97-2221-E-230-017).
47. K. Kimura, Y.C. Liou, D.S. Shyu and J.C. Yao*. Simultaneous system of vector equilibrium problems, *Journal of Industrial and Management Optimization* **5**(1), 161-174, Feb. 2009 (supported by NSC 96-2221-E-230-003; SCI, OPERATIONS RESEARCH & MANAGEMENT SCIENCE IF: **1.120**, RF: **29/74**), [doi:10.3934/jimo.2009.5.161](https://doi.org/10.3934/jimo.2009.5.161).
48. J.W. Peng, Y.C. Liou* and J.C. Yao. An iterative algorithm combining viscosity method with parallel method for a generalized equilibrium problem and strict pseudo-contractions, *Fixed Point Theory and Applications* **2009**, Article ID 794178, 21 pages, Jan. 2009 (supported by NSC 97-2221-E-230-017; SCI, MATHEMATICS IF: **2.503**, RF: **6/310**), [doi:10.1155/2009/794178](https://doi.org/10.1155/2009/794178).
49. Y. Yao, M.A. Noor*, S. Zainab and Y.C. Liou. Mixed equilibrium problems and optimization problems, *Journal of Mathematical Analysis and Applications* (2009) **354**, 319-329, Jun. 2009 (supported by NSC 96-2221-E-230-003; SCI, MATHEMATICS IF: **1.174**, RF: **33/277**), [doi:10.1016/j.jmaa.2008.12.055](https://doi.org/10.1016/j.jmaa.2008.12.055).
50. Y. Yao*, Y.C. Liou and G. Marino. A hybrid algorithm for pseudo-contractive mappings, *Nonlinear Analysis Series A: Theory, Methods & Applications* (2009) **71**(10), 4997-5002, Mar. 2008 (supported by NSC 97-2221-E-230-017; SCI, MATHEMATICS IF: **1.487**, RF: **26/277**), [doi:10.1016/j.na.2009.03.075](https://doi.org/10.1016/j.na.2009.03.075).
51. S. Li, C. Li*, Y.C. Liou and J.C. Yao. Existence of solutions for variational inequalities on Riemannian manifolds, *Nonlinear Analysis Series A: Theory, Methods & Applications* **71**(11), 5695-5706, Apr. 2009 (SCI, MATHEMATICS IF: **1.487**, RF: **26/277**), [doi:10.1016/j.na.2009.04.048](https://doi.org/10.1016/j.na.2009.04.048).
52. Y. Yao, Y.C. Liou* and Y.J. Wu. An extragradient method for mixed equilibrium problems and fixed point problems, *Fixed Point Theory and Applications* **2009**, Article ID 632819, 16 pages, May 2009 (with, supported by NSC 97-2221-E-230-017; SCI, MATHEMATICS IF: **2.503**, RF: **6/310**), [doi:10.1155/2009/632819](https://doi.org/10.1155/2009/632819).
53. M. Li*, Y. Yao and Y.C. Liou. An iterative algorithm for solving generalized equilibrium problems and fixed points problems, *IEEE Conference Proceedings of the Second International Joint Conference on*

- Computational Sciences and Optimization (CSO)* **2**, 792–796, Aug. 2009 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3, EI), doi: [10.1109/CSO.2009.17](https://doi.org/10.1109/CSO.2009.17).
54. Y. Yao, Y.C. Liou and G. Marino*. Strong convergence of two iterative algorithms for nonexpansive mappings in Hilbert spaces, *Fixed Point Theory and Applications* **2009**, Article ID 279058, 7 pages, Sep. 2009 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 2.503, RF: **6/310**), doi: [10.1155/2009/279058](https://doi.org/10.1155/2009/279058).
55. Y. Yao, · M.A. Noor*, · K.I Noor, Y.C. Liou and H. Yaqoob. Modified extragradient methods for a system of variational inequalities in Banach spaces, *Acta Applicandae Mathematicae-An International Survey Journal on Applying Mathematics and Mathematical Applications* (2010) **110**, 1211-1224, Mar. 2010 (supported by NSC 97-2221-E-230-017; SCI, MATHEMATICS, APPLIED IF: 0.523, RF: 163/236), doi: [10.1007/s10440-009-9502-9](https://doi.org/10.1007/s10440-009-9502-9).
56. Y. Yao, Y.C. Liou and J.C. Yao*. New relaxed hybrid-extragradient method for fixed point problems, a general system of variational inequality problems and generalized mixed equilibrium problems, *Optimization* **60**(3) (2010), 395-412, May 2010 (supported by NSC 97-2221-E-230-017; SCI, MATHEMATICS, APPLIED IF: 0.616, RF: 145/236), doi: [10.1080/02331930903196941](https://doi.org/10.1080/02331930903196941).
57. Y. Yao, Y.C. Liou and M.M. Wong*. Algorithms for equilibrium problems and fixed point problems approach to minimization problems, *Taiwanese Journal of Mathematics* **14**(5), 2073-2089, Oct. 2010 (supported by NSC 97-2221-E-230-017, SCI, MATHEMATICS IF: 0.530, RF: 167/277).
58. Y. Yao, Y.C. Liou and S.M. Kang*. An iterative algorithm for asymptotically nonexpansive mappings, *Journal Applied Mathematics & Informatics (Journal of Applied Mathematics and Computing)* **28** (2010), 1-2, 75-86, <http://www.kcam.biz>, Aug. 2009 (supported by NSC 97-2221-E-230-017, EI).
59. Y.C. Liou*. Shrinking projection method of proximal-type for a generalized equilibrium problem, a maximal monotone operator and a pair of relatively nonexpansive mappings, *Taiwanese Journal of Mathematics* **14**(2), 517-540, Apr. 2010 (supported by NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 0.530, RF: 167/277).
60. M. Li, Y. Yao*, Y.C. Liou and S.M. Kamg. Algorithms construction for

- nonexpansive mappings in Hilbert spaces, *Journal of Nonlinear and Convex Analysis* **11**(1) (2010), 35-43, Apr. 2010 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 0.655, RF: 134/310).
61. Y.C. Liou*. An iterative algorithm for mixed equilibrium problems and variational inclusions approach to variational inequalities, *Fixed Point Theory and Applications* **2010**, Article ID 564361, 15 pages, Jan. 2010 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), [doi:10.1155/2360/564361](https://doi.org/10.1155/2360/564361).
 62. Y.C. Liou*. A new hybrid method for hierarchical fixed points problems and variational inequality problems, *Optimization* **60**(6) (2011), 685-696, Nov. 2011 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS, APPLIED IF: 0.616, RF: 145/236), [doi:10.1080/02331934.2010.505652](https://doi.org/10.1080/02331934.2010.505652).
 63. L.C. Ceng, Y.C. Liou and J.C. Yao*. Robustness of Mann type algorithm with perturbed mapping for nonexpansive mappings in Banach spaces, *Fixed Point Theory and Applications* **2010**, Article ID 734181, 21 pages, Jan. 2010 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), [doi:10.1155/2360/744181](https://doi.org/10.1155/2360/744181).
 64. Y. Yao* and Y.C. Liou. New iterative schemes for asymptotically quasi-nonexpansive mappings, *Journal of Inequalities and Applications* **2010**, Article ID 934692, 9 pages, Jan. 2010 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 0.773, RF: 97/310), [doi:10.1155/2360/934692](https://doi.org/10.1155/2360/934692).
 65. Y. Yao*, M.A. Noor and Y.C. Liou. A new hybrid iterative algorithm for variational inequalities, *Applied Mathematics and Computation* **216**(2010), 822-829, Jan. 2010 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS, APPLIED IF: 1.534, RF: 28/310), [doi:10.1016/j.amc.2010.01.087](https://doi.org/10.1016/j.amc.2010.01.087).
 66. Y. Yao, Y.C. Liou and S.M. Kang*. Approach to common elements of variational inequality problems and fixed point problems via a relaxed extragradient method, *Computers & Mathematics with Applications* **59** (2010), 3472-3480, Apr. 2010 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS, APPLIED IF: 1.472, RF: 33/236), [doi:10.1016/j.camwa.2010.03.036](https://doi.org/10.1016/j.camwa.2010.03.036) (ESI Highly Cited Papers).

67. Y. Yao*, M.A. Noor, Y.C. Liou and S.M. Kang. Some new algorithms for solving mixed equilibrium problems, *Computers & Mathematics with Applications* **60** (2010), 1351-1359, Jun. 2010 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 1.472, RF: 33/236), [doi:10.1016/j.camwa.2010.06.016](https://doi.org/10.1016/j.camwa.2010.06.016).
68. Y. Yao, Y.J. Cho* and Y.C. Liou. Iterative algorithms for hierarchical fixed points problems and variational inequalities, *Mathematical and Computer Modelling* **52** (2010), 1697-1705, Jun. 2010 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS, APPLIED IF: 1.066, RF: 69/236), [doi:10.1016/j.mcm.2010.06.038](https://doi.org/10.1016/j.mcm.2010.06.038).
69. Y. Yao, Y.C. Liou and S.M. Kang*. Minimization of equilibrium problems, variational inequality problems and fixed point problems, *Journal of Global Optimization* **48**(4) (2010), 643-656, Jan. 2010 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS, APPLIED IF: 1.160, RF: 61/236), [doi:10.1007/s10898-009-9512-1](https://doi.org/10.1007/s10898-009-9512-1).
70. Y. Yao*, H. Zhou and Y.C. Liou. Modified Mann's algorithm based on the CQ method for pseudo-contractive mappings, *Journal Applied Mathematics & Informatics (Journal of Applied Mathematics and Computing)* **28**(5-6) (2010), 1499-1506, Feb. 2010 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3, EI).
71. Y. Yao* and Y.C. Liou. Composite algorithms for minimization over the solutions of equilibrium problems and fixed point problems, *Abstract and Applied Analysis* **2010**, Article ID 763506, 19 pages, Sep. 2010 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 1.442, RF: 17/277), [doi:10.1155/2360/763506](https://doi.org/10.1155/2360/763506).
72. Y. Yao, Y.C. Liou and J.C. Yao*. Algorithms for approximating minimization problems, *Fixed Point Theory-An International Journal on Fixed Point Theory, Computation and Applications* **12**(1) (2011), 217-232, Feb. 2011 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 1.030, RF: 48/277).
73. Y. Yao*, L. Ciric, Y.C. Liou and R. Chen. Iterative algorithms for a finite family of asymptotically nonexpansive mappings, *Dynamics of Continuous, Discrete and Impulsive Systems-Series A: Mathematical Analysis* **18** (2011), 27-39, Sep. 2010 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 0.244).

74. L.C. Ceng, Y.C. Liou and E. Naraghirad*. Iterative approaches to find zeros of maximal monotone operators by hybrid approximate proximal point methods, *Fixed Point Theory and Applications* **2011**, Article ID 282171, 18 pages, Sep. 2010 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), [doi:10.1155/2361/282171](https://doi.org/10.1155/2361/282171).
75. X.P. Ding, Y.C. Liou and J.C. Yao*. Existence and algorithms for solutions for bilevel generalized mixed equilibrium problems in Banach spaces, *Journal of Global Optimization* (2011), 15 pages, Mar. 2011 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS, APPLIED IF: 1.160, RF: 61/236), [doi:10.1007/s10898-011-9712-3](https://doi.org/10.1007/s10898-011-9712-3).
76. Y. Yao, S.M. Kang* and Y.C. Liou. Algorithms for approximating minimization problems in Hilbert spaces, *Journal of Computational and Applied Mathematics* (2011) **235**(12), 3515-3526, Oct. 2010 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS, APPLIED IF: 1.292, RF: 46/236), [doi:10.1016/j.cam.2010.10.055](https://doi.org/10.1016/j.cam.2010.10.055).
77. Y. Yao, Y.C. Liou and N. Shahzad*. Iterative methods for nonexpansive mappings in Banach spaces, *Numerical Functional Analysis and Optimization* **32**(5) (2011), 583-592, Oct. 2010 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS, APPLIED IF: 0.687, RF: 138/236), [doi:10.1080/01630563.2010.532268](https://doi.org/10.1080/01630563.2010.532268).
78. Y. Yao* and Y.C. Liou. An implicit extragradient method for hierarchical variational inequalities, *Fixed Point Theory and Applications* **2011**, Article ID 697248, 11 pages, Nov. 2010 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), [doi:10.1155/2361/697248](https://doi.org/10.1155/2361/697248).
79. Y. Yao, Y.C. Liou and C.P. Chen*. Hierarchical convergence of a double-net algorithm for equilibrium problems and variational inequality problems, *Fixed Point Theory and Applications* **2011**, Article ID 642584, 21 pages, Dec. 2010 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), [doi:10.1155/2361/642584](https://doi.org/10.1155/2361/642584).
80. Y. Yao* and Y.C. Liou. Some unified algorithms for finding minimum norm fixed point of nonexpansive semigroups in Hilbert spaces, *Analele*

- Stiintifice ale Universitatii Ovidius Constanta-Seria Matematica* **19**(1) (2011), fasc. 1, 331-346, Jan. 2011 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 0.044, RF: 276/277).
81. Y. Yao, Y.C. Liou and S.M. Kang*. Iterative methods for k-strict pseudo-contractive mappings in Hilbert spaces, *Analele Stiintifice ale Universitatii Ovidius Constanta-Seria Matematica* **19**(1) (2011), fasc. 1, 313-330, Jan. 2011 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 0.044, RF: 276/277).
82. Y. Yao, Y.J. Cho* and Y.C. Liou. Algorithms of common solutions for variational inclusions, mixed equilibrium problems and fixed point problems, *European Journal of Operational Research* **212** (2011), 242-250, Jan. 2011 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, OPERATIONS RESEARCH & MANAGEMENT SCIENCE IF: 2.158, RF: 6/74), [doi:10.1016/j.ejor.2011.01.042](https://doi.org/10.1016/j.ejor.2011.01.042) (Top 100 most cited Chinese papers published in international journals in 2010 from 2011 Statistical Data of Chinese S&T Papers, Most Cited EJOR), <http://www.journals.elsevier.com/european-journal-of-operational-research/most-cited-articles>.
83. Y. Yao, G. Marino* and Y.C. Liou. A hybrid method for monotone variational inequalities involving pseudo-contractions, *Fixed Point Theory and Applications* **2011**, Article ID 180534, 8 pages, Jan. 2011 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), [doi:10.1155/2361/180534](https://doi.org/10.1155/2361/180534).
84. Y. Yao, Y.J. Cho* and Y.C. Liou. Iterative algorithms for variational inclusions, mixed equilibrium problems and fixed point problems approach to optimization problems, *Central European Journal of Mathematics* (2011) **9**(3), 640-656, Feb. 2011 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 0.361, RF: 212/277), [doi:10.2478/s11533-011-0021-3](https://doi.org/10.2478/s11533-011-0021-3).
85. Y. Yao, Y.C. Liou and S.M. Kang*. Algorithms construction for variational inequalities, *Fixed Point Theory and Applications* **2011** (2011), Article ID 794203, 12 pages, Feb. 2011 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), [doi:10.1155/2361/794203](https://doi.org/10.1155/2361/794203).

86. X. Yang, Y.C. Liou and Y. Yao*. Finding minimum norm fixed point of non-expansive mappings and applications, *Mathematical Problems in Engineering-Theory, Methods, and Applications* **2011** (2011), Article ID 106450, 13 pages, Jan. 2011 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS, INTERDISCIPLINARY APPLICATIONS IF: 0.689, RF: 62/92), [doi:10.1155/2361/106450](https://doi.org/10.1155/2361/106450).
87. Y. Yao, Y.J. Cho* and Y.C. Liou. Hierarchical convergence of an implicit double-net algorithm for nonexpansive semigroups and variational inequality problems, *Fixed Point Theory and Applications* **2011**, 2011:101, 14 pages, Mar. 2011 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), [doi:10.1186/1687-1812-2011-101](https://doi.org/10.1186/1687-1812-2011-101).
88. Y. Yao, Y.C. Liou, S.M. Kang* and Y. Yu. Algorithms with strong convergence for a system of nonlinear variational inequalities in Banach spaces, *Nonlinear Analysis Series A: Theory, Methods & Applications* **74** (2011), 6024-6034, May 2011 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 1.487, RF: 26/277), [doi:10.1016/j.na.2011.05.079](https://doi.org/10.1016/j.na.2011.05.079).
89. Y. Yao, M.A. Noor*, K.I. Noor and Y.C. Liou. On an iterative algorithm for variational inequalities in Banach spaces, *Mathematical Communications* (2011) **16**(1), 95-104, Jun. 2010 (supported by NSC 99-2221-E-230-006; SCI, MATHEMATICS IF: 0.176, RF: 266/277).
90. S. Wang*, G. Marino and Y.C. Liou. Strong convergence theorems for variational inequality, equilibrium and fixed point problems with applications, *Journal of Global Optimization* (2012) **54**(1), 155-171, July 2011 (supported by NSC 100-2221-E-230-012; SCI, MATHEMATICS, APPLIED IF: 1.160, RF: 61/236), [doi: 10.1007/s10898-011-9754-6](https://doi.org/10.1007/s10898-011-9754-6).
91. Y. Yao, Y.C. Liou and C.P. Chen*. Algorithms construction for nonexpansive mappings and inverse-strongly monotone mappings, *Taiwanese Journal of Mathematics* **15**(5), 1979-1998, Oct. 2011 (supported by NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 0.530, RF: 167/277).
92. Y. Yao, Y.C. Liou, M.M. Wong* and J.C. Yao. Strong convergence of a hybrid method for monotone variational inequalities and fixed point problems, *Fixed Point Theory and Applications* **2011**, 2011:53, 10 pages, July 2011 (supported by NSC 100-2221-E-230-012; SCI, MATHEMATICS IF: 2.503, RF: 6/310), [doi:10.1186/1687-1812-2011-53](https://doi.org/10.1186/1687-1812-2011-53).

93. Y.C. Liou, V. Obukhovskii and J.C. Yao*. On Topological index of solutions for variational inequalities on Riemannian manifolds, *Set-Valued Analysis* (2012) **20**(3), 369-386, Sep. 2011 (supported by **NSC 100-2221-E-230-012 and NSC 99-2923-E-110-003-MY3**; SCI, MATHEMATICS, APPLIED IF: **1.418**, RF: **40/236**), [doi:10.1007/s11228-011-0195-7](https://doi.org/10.1007/s11228-011-0195-7).
94. Y. Yao*, Y.C. Liou, C.L. Li and H.T. Lin. Extended extra-gradient methods for generalized variational inequalities, *Journal of Applied Mathematics* **2012**, Article ID 237083, 16 pages, Sep. 2011 (supported by the **Program TH-1-3, Optimization Lean Cycle, of Sub-Projects TH-1 of Spindle Plan Four in Excellence Teaching and Learning Plan of Cheng Shiu University** and **NSC 100-2221-E-230-012**; SCI, MATHEMATICS, APPLIED IF: **0.63**, RF: **150/236**), [doi:10.1155/2012/237083](https://doi.org/10.1155/2012/237083).
95. Y. Yao*, R.D. Chen and Y.C. Liou. A unified implicit algorithm for solving the triple-hierarchical constrained optimization problem, *Mathematical and Computer Modelling* **55**(3-4) (2012), 1506-1515, Oct. 2011 (supported by **NSC 100-2221-E-230-012**; SCI, MATHEMATICS, APPLIED IF: **1.066**, RF: **69/236**), [doi:10.1016/j.mcm.2011.10.041](https://doi.org/10.1016/j.mcm.2011.10.041) (Top 100 most cited Chinese papers published in international journals in 2011 from **2012 Statistical Data of Chinese S&T Papers**).
96. Y.C. Liou*. Iterative methods for the sum of two monotone operators, *Journal of Applied Mathematics* **2012**, Article ID 638632, 11 pages, Oct. 2011 (supported by **NSC 100-2221-E-230-012**; SCI, MATHEMATICS, APPLIED IF: **0.63**, RF: **150/236**), [doi:10.1155/2012/638632](https://doi.org/10.1155/2012/638632).
97. Y. Yao*, M.A. Noor and Y.C. Liou. Strong convergence of a modified extra-gradient method to the minimum-norm solution of variational inequalities, *Abstract and Applied Analysis* **2012**, Article ID 817436, 9 pages, Oct. 2011 (supported by **NSC 100-2221-E-230-012**; SCI, MATHEMATICS IF: **1.442**, RF: **17/277**), [doi:10.1155/2360/817436](https://doi.org/10.1155/2360/817436) (Top 100 most cited Chinese papers published in international journals in 2011 from **2012 Statistical Data of Chinese S&T Papers**).
98. Y. Yao*, R. Chen, G. Marino and Y.C. Liou. Applications of fixed point and approximate algorithms, *Journal of Applied Mathematics* **2012**, Article ID 175459, 2 pages, Dec. 2012 (supported by **NSC 101-2628-E-230-001-MY3**; SCI, MATHEMATICS, APPLIED IF: **1.160**, RF: **61/236**), [doi:10.1155/2012/175459](https://doi.org/10.1155/2012/175459).

99. Y. Yao, Y.C. Liou and S.M. Kang*. Two-step projection methods for a system of variational inequality problems in Banach spaces, *Journal of Global Optimization* **55**(2013), 801-811, Oct. 2011 (supported by NSC 100-2221-E-230-012; SCI, MATHEMATICS, APPLIED IF: 1.160, RF: 61/236), doi: [10.1007/s10898-011-9804-0](https://doi.org/10.1007/s10898-011-9804-0) (ESI Highly Cited Papers).
100. Y. Yao, M.A. Noor, Y.C. Liou and S.M. Kang*. Iterative algorithms for general multivalued variational inequalities, *Abstract and Applied Analysis* **2012**, Article ID 768272, 12 pages, Oct. 2011 (supported by NSC 100-2221-E-230-012; SCI, MATHEMATICS IF: 1.442, RF: 17/277), doi:[10.1155/2360/768272](https://doi.org/10.1155/2360/768272).
101. Y.C. Liou, Y. Yao*, C.W. Tseng, H.T. Lin and P.X. Yang. Iterative algorithms approach to variational inequalities and fixed point problems, *Abstract and Applied Analysis* **2012**, Article ID 949141, 16 pages, Nov. 2011 (supported by the **Program TH-1-3, Optimization Lean Cycle, of Sub-Projects TH-1 of Spindle Plan Four in Excellence Teaching and Learning Plan of Cheng Shiu University** and NSC 100-2221-E-230-012; SCI, MATHEMATICS IF: 1.442, RF: 17/277), doi:[10.1155/2360/949141](https://doi.org/10.1155/2360/949141).
102. Y. Yao*, J. Wu and Y.C. Liou. Regularized methods for the split feasibility problem, *Abstract and Applied Analysis* **2012**, Article ID 140679, 13 pages, Oct. 2011 (supported by the **Program TH-1-3, Optimization Lean Cycle, of Sub-Projects TH-1 of Spindle Plan Four in Excellence Teaching and Learning Plan of Cheng Shiu University** and NSC 100-2221-E-230-012; SCI, MATHEMATICS IF: 1.442, RF: 17/277), doi:[10.1155/2012/140679](https://doi.org/10.1155/2012/140679) (ESI Highly Cited Papers).
103. Y. Yao, Y.C. Liou, M.M. Wong and J.C. Yao*. Hierarchical convergence to the zero point of maximal monotone operators, *Fixed Point Theory-An International Journal on Fixed Point Theory, Computation and Applications* **13**(1) (2012), 285-291, Oct. 2011 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 1.030, RF: 48/277).
104. Y. Yao, Y.C. Liou and N. Shahzad*. Construction of iterative methods for variational inequality and fixed point problems, *Numerical Functional Analysis and Optimization* (2012) **33**(10), 1250-1276, Dec. 2011 (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS, APPLIED IF: 0.687, RF: 138/236), doi: [10.1080/01630563.2012.660796](https://doi.org/10.1080/01630563.2012.660796).
105. Y. Yao*, R.D. Chen, G. Marino and Y.C. Liou Applications of fixed point

- and optimization methods to the multiple-sets split feasibility problem, , *Journal of Applied Mathematics* **2012**, Article ID 927530, 36 pages, Feb. 2012 (supported by the **Program TH-1-3, Optimization Lean Cycle, of Sub-Projects TH-1 of Spindle Plan Four in Excellence Teaching and Learning Plan of Cheng Shiu University** and NSC 100-2221-E-230-012; SCI, MATHEMATICS, APPLIED IF: 0.63, RF: 150/236), doi:10.1155/2012/927530.
106. H.J. Li, Y.C. Liou, C.L. Li, Y. Yao* and M.A. Noor. An implicit algorithm for maximal monotone operators and pseudocontractive mappings, *Abstract and Applied Analysis* **2012**, Article ID 517460, 19 pages, Feb. 2012 (supported by NSC 100-2221-E-230-012; SCI, MATHEMATICS IF: 1.442, RF: 17/277), doi:10.1155/2012/517460.
107. Y.C. Liou*. Computing the fixed points of strictly pseudocontractive mappings by the implicit and explicit iterations, *Abstract and Applied Analysis* **2012**, Article ID 315835, 16 pages, Mar. 2012 (supported by NSC 100-2221-E-230-012; SCI, MATHEMATICS IF: 1.442, RF: 17/277), doi:10.1155/2012/315835.
108. Y.C. Liou*. Projection methods for mixed equilibrium problems and fixed point problems, *Journal of Nonlinear and Convex Analysis* **13**(1) (2012), 111-124, Jan. 2012 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 0.655, RF: 134/310).
109. Y. Yao, Y.C. Liou and G. Marino*. Strong convergence of some algorithms for λ -strict pseudo-contractions in Hilbert spaces, *Bulletin of the Australian Mathematical Society* (2012) **85**(2), 232-240, Sep. 2011 (supported by NSC 100-2221-E-230-012; SCI, MATHEMATICS IF: 0.392, RF: 222/277), doi: 10.1017/S000497271100311X.
110. X. Yu, Y. Yao* and Y.C. Liou. Strong convergence of a hybrid method for pseudomonotone variational inequalities and fixed point problems, *Analele Stiintifice ale Universitatii Ovidius Constanta-Seria Matematica* **20**(1) (2012), fasc. 1, 489-504, Apr. 2012 (supported by NSC 100-2221-E-230-012; SCI, MATHEMATICS IF: 0.044, RF: 276/277).
111. Y. Yao, S.M. Kang*, Y.C. Liou and Z. Wu. Algorithmic approach to a minimization problem, *Abstract and Applied Analysis* **2012**, Article ID 310801, 18 pages, May 2012 (supported by NSC 100-2221-E-230-012; SCI, MATHEMATICS IF: 1.442, RF: 17/277), doi:10.1155/2012/310801.
112. P. Yang, Y. Yao*, Y.C. Liou, and R. Chen. Hybrid algorithms of

- nonexpansive semigroups for variational inequalities, *Journal of Applied Mathematics* **2012**, Article ID 634927, 15 pages, May 2012 (supported by NSC 100-2221-E-230-012; SCI, MATHEMATICS, APPLIED IF: 0.63, RF: 150/236), doi:10.1155/2012/634927.
113. Y. Yao, Y.C. Liou and C.F. Wen*. Variant gradient projection methods for the minimization problems, *Abstract and Applied Analysis* **2012**, Article ID 792078, 20 pages, May 2012 (supported by NSC 100-2221-E-230-012; SCI, MATHEMATICS IF: 1.442, RF: 17/277), doi:10.1155/2012/792078.
114. Y. Yao, Y.C. Liou and N. Shahzad*. A strongly convergent method for the split feasibility problem, *Abstract and Applied Analysis* **2012**, Article ID 125046, 13 pages, July 2012 (supported by NSC 100-2221-E-230-012; SCI, MATHEMATICS IF: 1.442, RF: 17/277), doi:10.1155/2012/125046.
115. Y. Yao, Y.C. Liou and N.C. Wong*. Superimposed optimization methods for the mixed equilibrium problem and variational inclusion, *Journal of Global Optimization* **57**(3) (2013), 935-950, Sep. 2012 (supported by NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS, APPLIED IF: 1.160, RF: 61/236), doi: 10.1007/s10898-012-9982-4.
116. X. Wu*, Y.C. Liou, Z. Wu and P.X. Yang. Viscosity methods of asymptotically pseudocontractive and asymptotically nonexpansive mappings for variational inequalities, *Abstract and Applied Analysis* **2012**, Article ID 453452, 14 pages, July 2012 (supported by 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 1.442, RF: 17/277), doi:10.1155/2012/453452.
117. Y. Yao, Y.C. Liou* and P.X. Yang. Coupling extra-gradient methods with KM's methods for variational inequalities and fixed points, *Taiwanese Journal of Mathematics* **16**(4), 1329-1343, Aug. 2012 (supported by NSC 100-2221-E-230-012; SCI, MATHEMATICS IF: 0.530, RF: 167/277).
118. Y. Yao, J.I. Kang*, Y.J. Cho and Y.C. Liou. Approximation of fixed points for nonexpansive semigroups in Hilbert spaces, *Fixed Point Theory and Applications* **2013**, 2013(31), 18 pages, Feb. 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), doi:10.1186/1687-1812-2013-31.
119. Z. Wu, Y. Yao*, Y.C. Liou and H.J. Li. A Korpelevich-like algorithm for variational inequalities, *Journal of Inequalities and Applications* **2013**, Article ID 934692, 12 pages, Feb. 2013 (supported by NSC 101-2622-E-230-005-CC3

- and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.773, RF: 97/310), doi:10.1155/2360/934692.
120. Y. Yao, J.I. Kang, Y.J. Cho* and Y.C. Liou. Composite schemes for variational inequalities over equilibrium problems and variational inclusions, *Journal of Inequalities and Applications* **2013**, 2013(414), 17 pages, Aug. 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.773, RF: 97/310), doi:10.1186/1029-242X-2013-414.
 121. H.J. Li, Y.C. Liou and Y. Yao*. Redundant intermixed algorithms for two strict pseudo-contractions, *Abstract and Applied Analysis* **2012**, Article ID 615138, 11 pages, Sep. 2012 (supported by NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 1.442, RF: 17/277), doi:10.1155/2012/615138.
 122. Y. Yao, Y.C. Liou and S.M. Kang*. Conversion algorithms by releasing projection for minimization problems, *Fixed Point Theory and Applications* **2013**, 2013(114), 23 pages, Apr. 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), doi:10.1186/1687-1812-2013-114.
 123. L.J. Zhu, Y.C. Liou*, Y. Yao, and C.C. Chyu. Algorithmic and analytical approaches to the split feasibility problems and fixed point problems, *Taiwanese Journal of Mathematics*, 19 pages, Apr. 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.530, RF: 167/277), doi:10.11650/tjm.17.2013.3175.
 124. Y. Zheng, J. Shi*, and Y.C. Liou. The constrained multiple-sets split feasibility problem and its projection algorithms, *Journal of Inequalities and Applications* **2013**, 2013(272), 10 pages, May 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.773, RF: 97/310), doi:10.1186/1029-242X-2013-272.
 125. Y. Yao*, R.D. Chen and Y.C. Liou. Affine algorithms for the split variational inequality and equilibrium problems, *Fixed Point Theory and Applications* **2013**, 2013(140), 17 pages, May 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), doi:10.1186/1687-1812-2013-140.
 126. Y. Yao, M. Postolache* and Y.C. Liou. Variant extragradient-type method for monotone variational inequalities, *Fixed Point Theory and Applications* **2013**, 2013(185), 15 pages, June 2013 (supported by NSC

- 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), doi:10.1186/1687-1812-2013-185.
127. Y. Yao, Y.C. Liou and S.M. Kang*. An iterative approach to mixed equilibrium problems and fixed points problems, *Fixed Point Theory and Applications* 2013, 2013(183), 19 pages, June 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), doi:10.1186/1687-1812-2013-183.
128. Y. Yao, M. Postolache* and Y.C. Liou. Strong convergence of a self-adaptive method for the split feasibility problem, *Fixed Point Theory and Applications* 2013, 2013(201), 12 pages, July 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), doi:10.1186/1687-1812-2013-201 (ESI Highly Cited Papers).
129. Y.C. Liou* and C.S. Tsai. On the offline e-catalog and its application to business models based on XML technology(基於 XML 之離線式電子型錄與其商務模式之研究), *Journal of Global Business Operation and Management* 5, 179-188, Nov. 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3).
130. Y. Yao, Y.C. Liou* and C.C. Chyu. Fixed points of pseudocontractive mappings by a projection method in Hilbert spaces, *Journal of Nonlinear and Convex Analysis* 14(4), 785-794, Nov. 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.655, RF: 134/310).
131. C.L. Li, Y.C. Liou and Y. Yao*. A damped algorithm for the split feasibility and fixed point problems, *Journal of Inequalities and Applications* 2013, 2013(379), 9 pages, Aug. 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.773, RF: 97/310), doi: 10.1186/1029-242X-2013-379.
132. Y. Yao, M. Postolache* and Y.C. Liou. Coupling Ishikawa algorithms with hybrid techniques for pseudocontractive mappings, *Fixed Point Theory and Applications* 2013, 2013(211), 8 pages, Aug. 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), doi:10.1186/1687-1812-2013-211.
133. J.W. Chen* and Y.C. Liou. Systems of parametric strong quasi-equilibrium problems: existence and well-posedness aspects, *Taiwanese Journal of*

- Mathematics* **17**(5), 1539-1853, Oct. 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.530, RF: 167/277), [doi:10.11650/tjm3495](https://doi.org/10.11650/tjm3495).
134. L.J. Zhu, M. Ren*, Y.C. Liou and Y. Yao. From equilibrium problems and fixed points problems to minimization problems, *Taiwanese Journal of Mathematics* **18**(4), 1041-1061, Nov. 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.530, RF: 167/277), [doi:10.11650/tjm.18.2014.3948](https://doi.org/10.11650/tjm.18.2014.3948)
135. Y.C. Liou*. On iterative method for hierarchical fixed points problems and variational inequality problems, Ms. No.: 1328, *Proceedings of the 2nd International Conference on Innovation, Communication and Engineering (ICICE 2013)*, 773-778, edited by T.H. Meen et al., Taylor & Francis Group, ISBN 978-1-138-00117-6, Qingdao, Shandong, China, 2014 (supported by NSC 101-2628-E-230-001-MY3; EI) (First Prize Paper Award), https://books.google.com.tw/books?id=ZTnMBQAAQBAJ&pg=PA773&lp=PA773&dq=On+iterative+method+for+hierarchical+fixed+points+problems+and+variational+inequality+problems&source=bl&ots=vdZ8vBdE2K&sig=f_s-YlaBq7oVtquXrra5RKRGb_Y&hl=zh-TW&sa=X&ved=0ahUKewiEh6HYqKzPAhXEPY8KHaV5CPYQ6AEIUTAG#v=onepage&q=On%20iterative%20method%20for%20hierarchical%20fixed%20points%20problems%20and%20variational%20inequality%20problems&f=false.
136. S.H. Chen*, M.H. Chen and Y.C. Liou. Artificial chromosomes with genetic algorithm 2 (ACGA2) for single machine scheduling problems with sequence-dependent setup times, *Applied Soft Computing* **17**(2014), 167-175, Dec. 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE IF: 2.140, RF: 23/115), [doi: 10.1016/j.asoc.2013.12.019](https://doi.org/10.1016/j.asoc.2013.12.019).
137. Y. Yao, Y.C. Liou and S.M. Kang*. Coupling extragradient methods with CQ methods for equilibrium points, pseudomonotone variational inequalities and fixed points, *Fixed Point Theory-An International Journal on Fixed Point Theory, Computation and Applications*, **15**(1) (2014), 311-324, Dec. 2013 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.738, RF: 86/277).
138. Y.C. Liou, Y.Y. Lur, and C.F. Wen*. On some properties of parametric continuous-time convex programs, *Lecture Notes in Engineers and Computer Scientist* **2014**, 2210(1), 1129-1134 (supported by NSC

101-2628-E-230-001-MY3; EI), (Certificate of Merit for The 2014 IAENG International Conference on Operations Research),
<https://doaj.org/toc/2078-0966/2210>.

139. Y. Yao, R.P. Agarwal, and Y.C. Liou*. Iterative algorithms for quasi-variational inclusions and fixed point problems of pseudocontractions, *Fixed Point Theory and Applications* **2014**, 2014(82), 14 pages, Mar. 2014 (supported by NSC **101-2622-E-230-005-CC3** and NSC **101-2628-E-230-001-MY3**; SCI, MATHEMATICS IF: **2.503**, RF: **6/310**), [doi:10.1186/1687-1812-2014-82](https://doi.org/10.1186/1687-1812-2014-82).
140. Y. Yao, G. Marino, H.K. Xu, and Y.C. Liou*. Construction of minimum-norm fixed points of pseudocontractions in Hilbert spaces, *Journal of Inequalities and Applications* **2014**, 2014(206), 14 pages, May 2014 (supported by NSC **101-2622-E-230-005-CC3** and NSC **101-2628-E-230-001-MY3**; SCI, MATHEMATICS IF: **0.773**, RF: **97/310**), [doi:10.1186/1029-242X-2014-206](https://doi.org/10.1186/1029-242X-2014-206).
141. L.J. Zhu, Y.C. Liou, S.M. Kang* and Y. Yao. Algorithmic and analytical approach to the split common fixed points problem, *Fixed Point Theory and Applications* **2014**, 2014(172), 10 pages, Aug. 2014 (supported by NSC **101-2622-E-230-005-CC3** and NSC **101-2628-E-230-001-MY3**; SCI, MATHEMATICS IF: **2.503**, RF: **6/310**), [doi:10.1186/1687-1812-2014-172](https://doi.org/10.1186/1687-1812-2014-172).
142. L.C. Ceng, C.F. Wen, and Y.C. Liou*. Multi-step iterative algorithms with regularization for triple hierarchical variational inequalities with constraints of mixed equilibria, variational inclusions and convex minimization, *Journal of Inequalities and Applications* **2014**, 2014(414), 47 pages, Oct. 2014 (supported by NSC **103-2923-E-037-001-MY3** and NSC **101-2628-E-230-001-MY3**; SCI, MATHEMATICS IF: **0.773**, RF: **97/310**), [doi:10.1186/1029-242X-2014-414](https://doi.org/10.1186/1029-242X-2014-414).
143. L.J. Zhu, Z. Yao, Y.C. Liou* and Y. Yao. Superimposed algorithms for the split equilibrium problems and fixed point problems, *Journal of Inequalities and Applications* **2014**, 2014(380), 15 pages, Oct. 2014 (supported by NSC **103-2923-E-037-001-MY3** and NSC **101-2628-E-230-001-MY3**; SCI, MATHEMATICS IF: **0.773**, RF: **97/310**), [doi:10.1186/1029-242X-2014-380](https://doi.org/10.1186/1029-242X-2014-380).
144. L.C. Ceng, Y.C. Liou* and C.F. Wen. Extragradient method for convex minimization problem, *Journal of Inequalities and Applications* **2014**, 2014(444), 40 pages, Nov. 2014 (supported by NSC **103-2923-E-037-001-MY3**

- and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.773, RF: 97/310), doi:10.1186/1029-242X-2014-444.
145. Y. Yao, Y.J. Cho*, Y.C. Liou, and R.P. Agarwal. Constructed net with perturbations for equilibrium and fixed points problems, *Journal of Inequalities and Applications* **2014**, 2014(334), 14 pages, Sep. 2014 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.773, RF: 97/310), doi:10.1186/1029-242X-2014-334.
 146. Y. Yao, R.P. Agarwal, M. Postolache*, and Y.C. Liou. Algorithms with strong convergence for the split common solution of the feasibility problem and fixed point problem, *Fixed Point Theory and Applications* **2014**, 2014(183), 14 pages, Sep. 2014 (supported by NSC 101-2622-E-230-005-CC3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 2.503, RF: 6/310), doi:10.1186/1687-1812-2014-183 (ESI Highly Cited Papers).
 147. L.J. Zhu, Y.C. Liou*, J.C. Yao and Y. Yao. New algorithms designed for the split common fixed point problem of quasi-pseudocontractions, *Journal of Inequalities and Applications* **2014**, 2014(304), 13 pages, May 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.773, RF: 97/310), doi: 10.1186/1029-242X-2014-304.
 148. Z. Yao, Y.C. Liou*, L.J. Zhu, C.H. Lo and C.C. Wu. Strong convergence theorems for fixed point problems, variational inequality problems and equilibrium problems, *Journal of Inequalities and Applications* **2015**, 2015(198), 15 pages, Jun. 2015 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, PHYSICS, APPLIED IF: 0.408, RF: 97/105), doi :10.1186/s13660-015-0720-6.
 149. Y. Yao*, S.M. Kang, M.A. Noor, Y.C. Liou and R. Chen. Coupling projection algorithms with Noor's methods for variational inequalities, *International Journal of Modern Physics B*, 16 pages, Ms. No. JPB20072018R1, Oct. 2015 (supported by NSC 98-2622-E-230-006-CC3 and NSC 98-2923-E-110-003-MY3; SCI, PHYSICS, APPLIED IF: 0.408, RF: 97/105), **accepted**.
 150. Y. Yao, Y.C. Liou and J.C. Yao*. Finding the minimum norm common element of maximal monotone operators and nonexpansive mappings without involving projection, *Journal of Nonlinear and Convex Analysis* **16**(5), 835-854, June 2015, (supported by NSC 99-2221-E-230-006 and NSC 99-2923-E-110-003-MY3; SCI, MATHEMATICS IF: 0.655, RF: 134/310),

<http://www.ybook.co.jp/online2/opjnca/vol16/p835.html>.

151. L.J. Zhu, Z. Yao, Y.C. Liou* and Y. Yao. Ishikawa iterative techniques for the split fixed points problem associated with pseudocontractions, Special issue dedicated to Professor Wataru Takahashi on the occasion of his 70th birthday, *Journal of Nonlinear and Convex Analysis* **16**(9) (2015), 1747-1760, Sep. 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.655, RF: 134/310).
152. J. Chen, Y.C. Liou* and C.F. Wen. Bilevel vector pseudomonotone equilibrium problems: duality and existence, *Journal of Nonlinear and Convex Analysis* **16**(7), 1293-1303, July 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.655, RF: 134/310), <http://www.ybook.co.jp/online2/opjnca/vol16/p1293.html>.
153. L.C. Ceng, Y.C. Liou, and M.M. Wong*. Approximation method for general mixed equilibrium Mann-Type viscosity approximation method for general mixed equilibrium, *Journal of Nonlinear and Convex Analysis* **16**(7) (2015), 1257-1292, July 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.655, RF: 134/310).
154. Z. Yao, L.J. Zhu and Y.C. Liou*. Strong convergence of a Halpern-type iteration algorithm for fixed point problems in Banach spaces, *Journal of Nonlinear Science and Applications* **8**(2015):5, 489-495, Apr. 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 1.176, RF: 28/310).
155. X. Dong, Y. Yao*, R. Chen and Y.C. Liou. Convergence of the path and its discretization to the minimum-norm fixed point of pseudocontractions, *Journal of Nonlinear and Convex Analysis* **16**(1) (2015), 59-67, Apr. 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.655, RF: 134/310).
156. Z. Yao, L.J. Zhu, S.M. Kang and Y.C. Liou*. Iterative algorithms with perturbations for Lipschitz pseudocontractive mappings in Banach spaces, *Journal of Nonlinear Science and Applications* (2015) **8**(6), 935-943, Apr. 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 1.176, RF: 28/310).
157. L.C. Ceng, Y.C. Liou*, C.F. Wen and Y.J. Wu. Hybrid extragradient

- viscosity method for general system of variational inequalities, *Journal of Inequalities and Applications* **2015**, 2015(150), 43 pages, Apr. 2015 (supported by NSC 103-2923-E-037-001-MY3, NSC 101-2628-E-230-001-MY3 and Kaohsiung Medical University 'Aim for the Top Universities Grant, grant No. KMU-TP103F00'; SCI, MATHEMATICS IF: 0.773, RF: 97/310), doi:10.1186/s13660-015-0646-z.
158. J. Chen*, Y.C. Liou, Z. Wan, J.C. Yao. A proximal point method for a class of monotone equilibrium problems with linear constraints, *Operational Research- An International Journal* **15**(2), 2375-288, July 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 101-2628-E-230-001-MY3; SCI, OPERATIONS RESEARCH & MANAGEMENT SCIENCE IF: 0.282, RF: 84/151), doi: 10.1007/s12351-015-0177-x.
159. J. Chen*, Y.C. Liou*, S.A. Khan, Z. Wan and C.F. Wen. A composition projection method for feasibility problem and applications to equilibrium problems, *Journal of Nonlinear Science and Applications* **9**(2016):2, 461-470, Mar. 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 1.176, RF: 28/310).
160. M. Tian, S.W. Jiao and Y.C. Liou*. Methods for solving constrained convex minimization problems and finding zeros of the sum of two operators in Hilbert spaces, *Journal of Inequalities and Applications* **2015**, 2015(227), 27 pages, July 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 0.773, RF: 97/310), doi: 10.1186/s13660-015-0743-z.
161. Y. Yao, Y.C. Liou and J.C. Yao*. Split common fixed point problem for two quasi-pseudo-contractive operators and its algorithm construction, *Fixed Point Theory and Applications* **2015**, 2015(127), 19 pages, Dec. 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 2.503, RF: 6/310), doi: 10.1186/s13663-015-0376-4 (ESI Highly Cited Papers).
162. M. Rahaman, Y.C. Liou*, R. Ahmad and I. Ahmad. Convergence theorems for split equality generalized mixed equilibrium problems for demi-contractive mappings, *Journal of Inequalities and Applications* **2015**, 27 pages, Aug. 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 0.773, RF: 97/310), doi: 10.1186/s13660-015-0936-5.

163. A. Hamdi, Y.C. Liou, Y. Yao* and C. Luo. The common solutions of the split feasibility problems and fixed point problems, *Journal of Inequalities and Applications* **2015**, 17 pages, Aug. 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 0.773, RF: 97/310), doi: [10.1186/s13660-015-0870-6](https://doi.org/10.1186/s13660-015-0870-6).
164. J. Li, Y.C. Liou and L. Zhu*. Optimization of PID parameters with an improved simplex PSO, *Journal of Inequalities and Applications* **2015**, 5 pages, Oct. 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 0.773, RF: 97/310), doi: [10.1186/s13660-015-0785-2](https://doi.org/10.1186/s13660-015-0785-2).
165. Y. Yao, N. Shahzad* and Y.C. Liou. Modified semi-implicit midpoint rule for nonexpansive mappings, *Fixed Point Theory and Applications* **2015**, 15 pages, Dec. 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 2.503, RF: 6/310), doi: [10.1186/s13663-015-0414-2](https://doi.org/10.1186/s13663-015-0414-2).
166. L.C. Ceng, Y.C. Liou*, and D.R. Sahu. Multi-Step hybrid steepest-descent methods for split feasibility problems with hierarchical variational inequality problem constraints, *Journal of Nonlinear Science and Applications* **9**(2016), 4148-4166, July 2016 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 0.655, RF: 28/310).
167. Y. Yao, Y.C. Liou, T.L. Lee* and N.C. Wong. An iterative algorithm based on the implicit midpoint rule for nonexpansive mappings, *Journal of Nonlinear and Convex Analysis* **17**(4), 655-668, Apr. 2016 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 0.655, RF: 134/310).
168. Y. Liu, Z. Yao, Y.C. Liou* and L.J. Zhu. Algorithms for the variational inequalities and fixed point problems, *Journal of Nonlinear Science and Applications* **9**(2016):1, 61-74, Aug. 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 1.176, RF: 28/310).
169. C. Luo, Y. Yao, Z. Yao and Y.C. Liou*. Hybrid algorithms for a family of pseudocontractive mappings, *Journal of Nonlinear Science and Applications* **9**(2016):1, 254-261, Aug. 2015 (supported by NSC 103-2923-E-037-001-MY3 and NSC 101-2628-E-230-001-MY3; SCI, MATHEMATICS IF: 1.176 RF: 28/310).

170. A.A. Arutyunov and Y.C. Liou*. On a method of reducing partial differential equations to solving the ODEs, *Journal of Nonlinear and Convex Analysis*, **17**(4), 787-790, Apr. 2016 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 0.655, RF: 134/310).
171. L.C. Ceng, Y.C. Liou* and C.F. Wen. Minty-Type lemmas and generalized vector equilibrium-like problems in normed spaces, *Journal of Advanced Mathematical Studies* **9**(2) (2016), 278-290, Aug. 2016 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004).
172. L.C. Ceng, Y.C. Liou* and C.F. Wen. Some equivalence results for well-posedness of generalized hemivariational inequalities with Clarke's generalized directional derivative, *Journal of Nonlinear Science and Applications* **9**(5) (2016), 2798-2812, Mar. 2016 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 1.176, RF: 28/310).
173. J. Chen, Q.H. Ansari*, Y.C. Liou and J.C. Yao. A proximal point algorithm based on decomposition method for cone constrained multiobjective optimization problems, *Computational Optimization and Application*, **63**(3), 20 pages, Apr. 2016 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS, APPLIED IF: 1.472, RF: 33/236), [doi:10.1007/s10589-016-9840-2](https://doi.org/10.1007/s10589-016-9840-2).
174. L.C. Ceng, Y.C. Liou and C.F. Wen*. On the well-posedness of generalized hemivariational inequalities and inclusion problems in Banach spaces, *Journal of Nonlinear Science and Applications* **9**(6) (2016), 3879--3891, Jun. 2016 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 1.176, RF: 28/310).
175. L.C. Ceng, Y.C. Liou and C.F. Wen*. A hybrid extragradient method for bilevel pseudomonotone variational inequalities with multiple solutions, *Journal of Nonlinear Science and Applications* **9**(7) (2016), 4052-4069, July 2016 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 1.176, RF: 28/310).
176. Y. Yao, M. Postolache*, Y.C. Liou and Z. Yao. Construction algorithms for a class of monotone variational inequalities, *Optimization Letters* (2016) **10**(7), 1519-1528, Oct. 2016 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 1.019, RF: 80/310)

[doi:10.1007/s11590-015-0954-8](https://doi.org/10.1007/s11590-015-0954-8) (ESI Highly Cited Papers).

177. Y. Yao, X. Zheng, L. Leng and Y.C. Liou*. Iterative computation of fixed points of quasi-asymptotic pseudo-contractions, *Journal of Nonlinear Science and Applications* 9(6) (2016), 4580-4588, Sep. 2016 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 1.176, RF: 28/310).
178. X.F. Luo, M.X. Wei and Y.C. Liou*. A geometric interpretation of best simultaneous approximations in conditional complete lattice Banach spaces, *Journal of Nonlinear and Convex Analysis* (2016) 17(9), 1671-1678, Sep. 2016 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 0.655, RF: 134/310).
179. S. Kornev and Y.C. Liou*. Multivalent guiding functions in the bifurcation problem of differential inclusions, *Journal of Nonlinear Science and Applications* 9(8) (2016), 5259-5270, Sep. 2016 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 1.176, RF: 28/310).
180. L.C. Ceng, Y.C. Liou and C.F. Wen*. Generalized vector equilibrium problems and nonsmooth vector optimization, *Journal of Advanced Mathematical Studies* 10(1) (2017), 128-142, Jan. 2017 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004).
181. Z. Zhu, Z. Zhou, Y.C. Liou*, Y. Yao and Y. Xing. A globally convergent method for computing fixed point of self-mapping on general nonconvex sets, *Journal of Nonlinear and Convex Analysis* 18(6), 1067-1078, Jul. 2017 (supported by MOST 106-2923-E-039-001-MY3, MOST 106-2218-E-040-001-MY2 and KMU-Q106005; SCI, MATHEMATICS IF: 0.655, RF: 134/310), **accepted**.
182. L.C. Ceng, Y.C. Liou, C.T. Pang* and C.F. Wen. On generalized vector equilibrium-like problem in topological vector spaces, *Miskolc Mathematical Notes* (2017), AMs: 53, 20 pages, Sep. 2016 (supported by NSC 103-2923-E-037-001-MY3 and NSC 104-2221-E-230-004; SCI, MATHEMATICS IF: 0.335, RF: ?/277), <http://mat76.mat.uni-miskolc.hu/mnotes/forthcoming?volume=0&number=0>, **accepted**.
183. V. Obukhovskii, M. Kamenskii, S. Kornev and Y.C. Liou*. On asymptotics of solutions for some classes of differential inclusions via the generalized

- guiding functions method, *Journal of Nonlinear and Convex Analysis* **18**(5) (2017), 967-975, Jul. 2017 (supported by **MOST 106-2923-E-039-001-MY3**, **MOST 106-2218-E-040-001-MY2** and **KMU-Q106005**; SCI, MATHEMATICS IF: 0.655, RF: 134/310), **accepted**.
184. J. Chen, Y.C. Liou* and C.F. Wen. Optimality of a class of constrained inverse variational inequalities and application to eco-industrial chain, *Journal of Nonlinear and Convex Analysis* **18**(5) (2017), 821-830, Jul. 2017 (supported by **MOST 106-2923-E-039-001-MY3**, **MOST 106-2218-E-040-001-MY2** and **KMU-Q106005**; SCI, MATHEMATICS IF: 0.655, RF: 134/310) , **accepted**.
185. H. He, Y.C. Liou* and C.F. Wen. Convergence rate of the CQ algorithm for split feasibility problems, *Journal of Nonlinear and Convex Analysis* **2018**, 17 pages, Jul. 2018 (supported by **MOST 106-2923-E-039-001-MY3** and **KMU-Q106005**; SCI, MATHEMATICS IF: 0.655, RF: 134/310), **accepted**.
186. L.C. Ceng, Y.C. Liou and C.F. Wen*. Implicit and explicit methods for constrained hierarchical variational inequalities over the fixed point sets of strict pseudocontractions, *Journal of Inequalities and Applications* **2016**, 20 pages, Oct. 2015 (supported by **NSC 103-2923-E-037-001-MY3** and **NSC 104-2221-E-230-004**; SCI, MATHEMATICS IF: 0.773, RF: 97/310), **revision**.
187. L.C. Ceng, Y.C. Liou and C.F. Wen*. Existence theorems for generalized vector equilibria with variable ordering relation, *Tamkang Journal of Mathematics* **47**(4) (2016), 455-475, Dec. 2016 (supported by **NSC 103-2923-E-037-001-MY3** and **NSC 104-2221-E-230-004**; SCI, MATHEMATICS IF: 2.503, RF: 6/310), [doi:10.5556/j.tkjm.47.2016.2163](https://doi.org/10.5556/j.tkjm.47.2016.2163).
188. L.C. Ceng, Y.C. Liou and C.F. Wen*. On the Hadamard well-posedness of generalized mixed variational inequalities in Banach spaces, *Journal of Inequalities and Applications* **2016**, Ms. ID: JIAP-D-16-00277, 20 pages, Mar. 2016 (supported by **NSC 103-2923-E-037-001-MY3** and **NSC 104-2221-E-230-004**; SCI, MATHEMATICS IF: 0.886, RF: 73/310), **revision**.
189. Y. Yao, N. Shahzad* and Y.C. Liou. Viscosity implicit midpoint methods for nonexpansive mappings, *Applied Mathematics and Computation*, 20 pages, Sep. 2016 (supported by **NSC 103-2923-E-037-001-MY3** and **NSC 104-2221-E-230-004**; SCI, MATHEMATICS, APPLIED IF: 1.534, RF: 28/310), **revision**.
190. Y. Yao, Y.C. Liou* and J.C. Yao. Iterative algorithms for the split

- variational inequality and fixed point problems under nonlinear transformations, *Journal of Nonlinear Science and Applications* **10**(2) (2017), 843-854, Feb. 2017 (supported by **MOST 106-2923-E-039-001-MY3** and **Kaohsiung Medical University Research Foundation (KMU-Q106005)**; SCI, MATHEMATICS IF: 1.534, RF: **28/310**), [doi:10.22436/jnsa.010.02.43](https://doi.org/10.22436/jnsa.010.02.43).
191. Z.R. Kong, L.C. Ceng, Y.C. Liou, C.F. Wen*. Hybrid steepest-descent methods for systems of variational inequalities with constraints of variational inclusions and convex minimization problems, *Journal of Nonlinear Science and Applications* **10**(3) (2017), 874-901, Mar. 2017 (supported by **MOST 106-2923-E-039-001-MY3** and **KMU-Q106005**; SCI, MATHEMATICS IF: 1.176, RF: **28/310**), [doi:10.22436/jnsa.010.03.03](https://doi.org/10.22436/jnsa.010.03.03).
192. L.C. Ceng, Y.C. Liou*, and C.F. Wen. Composite relaxed extragradient method for triple hierarchical variational inequalities with constraints of systems of variational inequalities, *Journal of Nonlinear Science and Applications*, **10**(4) (2017), 2018-2039, Mar. 2017 (supported by **MOST 106-2923-E-039-001-MY3** and **Kaohsiung Medical University Research Foundation (KMU-Q106005)**; SCI, MATHEMATICS IF: 1.176, RF: **28/310**), [doi:10.22436/jnsa.010.04.58](https://doi.org/10.22436/jnsa.010.04.58).
193. L.C. Ceng, Y.C. Liou, C.F. Wen* and A. Latif. Hybrid steepest-descent viscosity methods for triple hierarchical variational inequalities with constraints of mixed equilibria and bilevel variational inequalities, *Journal of Nonlinear Science and Applications* **10**(3) (2017), 1126-1147, Feb. 2017 (supported by **NSC 103-2923-E-037-001-MY3** and **NSC 104-2221-E-230-004**; SCI, MATHEMATICS IF: 1.176, RF: **28/310**), [doi:10.22436/jnsa.010.03.23](https://doi.org/10.22436/jnsa.010.03.23).
194. Y. Yao, N. Shahzad*, Y.C. Liou and L.J. Zhu. A projected fixed point algorithm with Meir-Keeler contraction for pseudocontractive mappings, *Journal of Nonlinear Science and Applications* **10**(2) (2017), 483-491, Feb. 2017 (supported by **NSC 103-2923-E-037-001-MY3** and **NSC 104-2221-E-230-004**; SCI, MATHEMATICS IF: 1.534, RF: **28/310**), [doi:10.22436/jnsa.010.02.13](https://doi.org/10.22436/jnsa.010.02.13).
195. X. Zheng, Y. Yao, Y.C. Liou* and L. Leng. Fixed point algorithms for the split problem of demicontractive operators, *Journal of Nonlinear Science and Applications* **10**(3) (2017), 1263-1269, Mar. 2017 (supported by **Kaohsiung Medical University Research Foundation (KMU-Q106005)** and **MOST 106-2923-E-039-001-MY3**; SCI, MATHEMATICS IF: 1.534, RF: **28/310**), [doi:10.22436/jnsa.010.03.35](https://doi.org/10.22436/jnsa.010.03.35).

196. L.C. Ceng, Y.C. Liou*, and C.F. Wen. Systems of variational inequalities with hierarchical variational inequality constraints in Banach spaces, *Journal of Nonlinear Science and Applications* **10**(6) (2017), 3136-3154, Apr. 2017 (supported by **Kaohsiung Medical University Research Foundation (KMU-Q106005)** and **MOST 106-2923-E-039-001-MY3**; SCI, MATHEMATICS IF: **1.534**, RF: **28/310**), [doi:10.22436/jnsa.010.06.28](https://doi.org/10.22436/jnsa.010.06.28).
197. Y.S. Chen, Y.C. Liou* and C.H. Lo*. Lyapunov inequality for a class of fractional differential equations with Dirichlet boundary conditions, *Journal of Nonlinear Science and Applications* **10**(6) (2017), 3357-3363, May 2017 (supported by **Kaohsiung Medical University Research Foundation (KMU-Q106005)** and **MOST 106-2923-E-039-001-MY3**; SCI, MATHEMATICS IF: **1.534**, RF: **28/310**), [doi:10.22436/jnsa.010.06.44](https://doi.org/10.22436/jnsa.010.06.44).
198. L.C. Ceng, Y.C. Liou*, C.F. Wen and C.H. Lo*. Hybrid implicit steepest-descent methods for triple hierarchical variational inequalities with hierarchical variational inequality constraints, *Journal of Nonlinear Science and Applications* **10**(7) (2017), 3963-3987, Jul. 2017 (supported by **Kaohsiung Medical University Research Foundation (KMU-Q106005)** and **MOST 106-2923-E-039-001-MY3**; SCI, MATHEMATICS IF: **1.534**, RF: **28/310**), [doi:10.22436/jnsa.010.07.47](https://doi.org/10.22436/jnsa.010.07.47).
199. L.C. Ceng, Y.C. Liou*, C.F. Wen and C.H. Lo*. Convergence and some control conditions of hybrid steepest-descent methods for systems of variational inequalities and hierarchical variational inequalities, *Journal of Nonlinear Science and Applications* **10**(9) (2017), 4574-4596, Sep. 2017 (supported by **Kaohsiung Medical University Research Foundation (KMU-Q106005)** and **MOST 106-2923-E-039-001-MY3**; SCI, MATHEMATICS IF: **1.534**, RF: **28/310**), [doi:10.22436/jnsa.010.09.03](https://doi.org/10.22436/jnsa.010.09.03).
200. Y.S. Chen, Z.S. Fang and Y.C. Liou*. Essential norm of a product-type operator from Bergman space to weighted-type space, *Journal of Nonlinear Science and Applications* **10**(8) (2017), 4269-4274, Aug. 2017 (supported by **Kaohsiung Medical University Research Foundation (KMU-Q106005)** and **MOST 106-2923-E-039-001-MY3**; SCI, MATHEMATICS IF: **1.534**, RF: **28/310**), [doi:10.22436/jnsa.010.08.21](https://doi.org/10.22436/jnsa.010.08.21).
201. L.C. Ceng, Y.C. Liou*, J.C. Yao and Y. Yao. Well-posedness for systems of time-dependent hemivariational inequalities in Banach spaces, *Journal of Nonlinear Science and Applications* **10**(8) (2017), 4318-4336, Aug. 2017

(supported by **Kaohsiung Medical University Research Foundation (KMU-Q106005)** and **MOST 106-2923-E-039-001-MY3**; SCI, MATHEMATICS IF: 1.534, RF: **28/310**), doi:10.22436/jnsa.010.08.26.

202. Y. Yao, J.C. Yao, Y.C. Liou* and M. Postolache. Iterative algorithms for split common fixed points of demicontractive operators without prior knowledge of operator norms, *Carpathian Journal of Mathematics* (2018), Ms. Ref. No.: CJM-17-09011, 8 pages, Sep. 2017 (supported by **Kaohsiung Medical University Research Foundation (KMU-Q106005)** and **MOST 106-2923-E-039-001-MY3**; SCI, MATHEMATICS IF: 0.61, RF: **?/236**), **revised**.
203. L.C. Ceng, Y.C. Liou*, J.C. Yao and Y. Yao. Well-Posedness for systems of generalized mixed quasivariational inclusion problems and optimization problems with constraints, *Journal of Nonlinear Science and Applications* (2017), 20 pages, Aug. 2017 (supported by **Kaohsiung Medical University Research Foundation (KMU-Q106005)** and **MOST 106-2923-E-039-001-MY3**; SCI, MATHEMATICS IF: 1.534, RF: **28/310**), **revised**.
204. S. Kornev*, Y.C. Liou, N.V. Loi and V. Obukhovskii. On periodic solutions of random differential inclusion, *Applied Analysis and Optimization* 1(2), 14 pages, Aug. 2017 (supported by **Kaohsiung Medical University Research Foundation (KMU-Q106005)** and **MOST 106-2923-E-039-001-MY3**), **accepted**.
205. Y. Yao, Y.C. Liou and M. Postolache*. Self-adaptive algorithms for the demicontractive operators, *Optimization* (2017), 12 pages, Jul. 2017 (supported by **Kaohsiung Medical University Research Foundation (KMU-Q106005)** and **MOST 106-2923-E-039-001-MY3**; SCI, MATHEMATICS, APPLIED IF: 0.616, RF: **145/236**), **accepted**.
206. Y. Yao, L. Leng, Y.C. Liou*. Strong convergence of an iteration for the split common fixed points of demicontractive operators, *Journal of Nonlinear and Convex Analysis* (2018), 10 pages, Sep. 2017 (supported by **MOST 106-2923-E-039-001-MY3**, **MOST 106-2218-E-040-001-MY2** and **KMU-Q106005**; SCI, MATHEMATICS IF: 0.655, RF: **134/310**), **accepted**.
207. C.H. Lo, L.C. Ceng, Y.C. Liou*. On generalized variational-hemivariational inequalities with strict feasibility in real reflexive Banach space, *Journal of Nonlinear Science and Applications* 10(8) (2017), 4318–4336, Aug. 2017 (supported by **Kaohsiung Medical University**

Research Foundation (KMU-Q106005) and MOST
106-2923-E-039-001-MY3; SCI, MATHEMATICS IF: 1.534, RF: ~~28/310~~,
revised.