

學術著作：Publications：

著作目錄：

(A) Refereed papers in Journals:

- A1. Y.-C. Li & S.-Y. Shaw, Representation formulars for C-semigroups, Semigroup Forum 46 (1993) , 29-35.
- A2. Y.-C. Li & S.-Y. Shaw, On generators of integrated C-semigroups and C-cosine functions, Semigroup Forum 47 (1993), 29-35.
- A3. Y.-C. Li & S.-Y. Shaw, Hermitian and positive C-semigroups on Banach spaces, Publ. RIMS. Kyoto Univ. Vol. 31, No.4 (1995), 625-644.
- A4. Y.-C. Li & S.-Y. Shaw, Generalized limits and a mean ergodic theorem, Studia Math. 121 (3) (1996), 207-219.
- A5. Y.-C. Li & S.-Y. Shaw, An abstract ergodic theorem and some inequalities for operators on Banach spaces, Proc. Amer. Math. Soc. Vol. 125, No.1 (1997), 111-119.
- A6. Y.-C. Li & S.-Y. Shaw, N-times integrated C-semigroups and the abstract Cauchy problem, Taiwanese J. Math. Vol. 1(1997), 75-101.
- A7. Y.-C. Li & S.-Y. Shaw, Hermitian and positive integrated C-cosine functions on Banach spaces, Positivity 2(1998), 281-299.
- A8. Y.-C. Li & S.-Y. Shaw\*, Infinite Differentiability of Hermitian and Positive C-semigroups and C-cosine functions, Publ. RIMS. Kyoto Univ. 34 (1998), 579-590.
- A9. Y.-C. Li & M.-H. Shih\*, Contractibility of Compact Contractions in Hilbert Space, Linear Algebra Appl., 341 (2002), 369-378. (Impact Factor:0.656) (91-2115-M-005-005- )
- A10. S.-Y. Shaw\* & Y.-C. Li, On solvability of  $Ax=y$ , approximate solutions, and uniform ergodicity, Rendiconti del Circolo Matematico di Palermo, RENDICONTI DEL CIRCOLO MATEMATICO DI PALERMO, Serie II, Suppl. 68 (2002) pp. 805-819.
- A11. Y.-C. Li & S.-Y. Shaw, Perturbation of non-exponentially-bounded  $\alpha$ -times integrated C-semigroups, J. Math. Soc. of Japan 55(2003), 1115-1136. (SCI)
- A12. S.-Y. Shaw\* & Y.-C. Li, Mean Ergodicity and Mean Stability of Regularized Solution Families, Mediterr. J. Math. 1(2004), 175-193. (SCI)(IF:0.414)
- A13. Sanny Li, Chifung Li & Y.-C. Li\*, On  $\sigma$ -limit and  $\sigma\delta$ -limit in Banach Spaces, Taiwanese J. Math. 9, No. 3(2005), 359-371. (SCI)(IF:0.444) (NSC92-2115-M-005-004- )
- A14. S.-Y. Shaw\*, C.-C. Kuo & Y.-C. Li, Perturbation of Local C-Semigroups, Nonlinear Analysis 63(2005), e2569-e2574. (SCI) (IF:1.097)

- A15. S.-Y. Shaw\* & Y.-C. Li, Characterization and Generation of Local C-Cosine and C-Sine Functions, *Int. J. Evol. Equ.* 1(2005), 373-401.
- A16. Y.-C. Li, Almost Convergence of Sequences in Banach Spaces in Weak, Strong, and absolute Senses, *Taiwanese J. Math.* 10, No. 1(2006), 209-218. (SCI) (IF:0.633)
- A17. Y.-C. Li & S.-Y. Shaw\*, A Proof of Hölder's Inequality using Cauchy-Schwarz Inequality, *J. Ineq. Pure and Appl. Math.*, 7(2) Art. 62, 2006.
- A18. Y.-C. Li, A Note on an Identity of the Gamma Function and Stirling's Formula, *Real Anal. Exchange* 32 (1) (2006/2007), 267-272. (IF:2.221)
- A19. Y.-C. Li & S.-Y. Shaw\*, On Characterization and Perturbation of Local C-Semigroups, *Proc. Amer. Math. Soc.* 135 (2007), 1097-1106. (SCI) (IF:0.640)
- A20. Y.-C. Li & S.-Y. Shaw\*, On local  $\alpha$ -times integrated C-semigroup, *Abstract and Applied Analysis*. Vol. 2007(2007), Article ID 34890, 18 pages. (SCI)(IF:0.163)  
(NSC96-2115-M-005-003- )
- A21. Y.-C. Li, R. Sato & S.-Y. Shaw\*, Ratio Tauberian Theorems for Positive Functions and Sequences in Banach Lattices, *Positivity*, 11(2007), 433–447. (SCI) (IF:0.417)
- A22. Y.-C. Li, R. Sato & S.-Y. Shaw\*, Convergence theorems and Tauberian theorems for functions and sequences in Banach spaces and Banach lattices, *Israel J. Math.*, 162(2007), 109-149. (SCI) (IF:0.754)
- A23. Y.-C. Li, & M.-S. Shih, Normed Finiteness Conjecture for Operators, *Linear Algebra and its Appl.*, 428 (2008) 2319–2323 (SCI) (IF:1.073)
- A24. S.-Y. Shaw\* & Y.-C. Li, Convergence rates for ergodic theorems of Kido-Takahashi type, *Taiwanese J. Math.*, 12 (2008), 1545-1561. (SCI) (IF:0.633)
- A25. Y.-C. Li, R. Sato & S.-Y. Shaw\*, Boundedness and growth orders of means of discrete and continuous semigroups of operators, *Studia Math.* 187 (2008), no. 1, 1--35. 47A35 (40E10 47D06) (SCI) (IF:0.645)
- A26. Y.-C. Li & C.-C. Yeh, Some Characterizations of Convex Functions, *Computers and Mathematics with Applications* 59(2010), 327-337. (SCI) (IF:1.192)
- A27. Y.-C. Li, Mean Ergodicity of Regularized Solution Families, *Taiwanese J. Math.*, 14 (2010), No. 3B, 1117-1133. (SCI) (IF:0.633)
- A28. Y.-C. Li, Invariant Means on Bounded Vector-Valued Functions, *J. Math. Soc. Japan* Vol. 63, No. 3 (2011) pp. 819–836 doi: 10.2969/jmsj/06330819
- A29. Y.-C. Li & C.-C. Yeh, Some Equivalent Forms of Bernoulli's Inequality A Survey,

Applied Mathematics(2013), pp 1070-1093. (Open access)

- A30. Y.-C. Li & C.-C. Yeh, Some inequalities via convex functions with application: A survey, *Scientiae Mathematicae Japonicae*(2013), pp 313-341
- A31. Yuan-Chuan Li, Wei-Cheng Lian, Cheh-Chih Yeh, The Equivalent Relations of Some Basic Inequalities, *SOP Transactions on Applied Mathematics* 1(3)(2014), pp 76-86. doi: 10.15764/AM.2014.03008
- A32. Feng-Sheng Tsai, Yuan-Chuan Li, Mau-Hsiang Shih\* and Shwng-Yi Hsu, The Hidden Convex Structure Behind Intersection Theorems, *J. Nonlinear & Convex Analysis* (18) 2017, pp. 1015-1021. (SCI IF. 0.642)

(C) Article in Book

- C1. Y.-C. Li & S.-Y. Shaw, Generalization of Bair and Mittag-Leffler Theorems, in *Functional Analysis and Related Topics*, World Scientific (1991), 138-140.
- C2. Y.-C. Li & S.-Y. Shaw, On n-times integrated C-cosine functions, in *Evolution Equations*, edited by Ferryra, Goldstein, and Neubrander, Marcel Dekker, New York, 1995, 393-406.
- C3. Y.-C. Li & S.-Y. Shaw, Integrated C-semigroups and c-cosine functions of Hermitian and positive operators, in *Progress in Nonlinear Differential Equations and Their Applications*, Vol. 42, Birkhauser Verlag Basel/Sweitzerland, 2000.
- C4. Y.-C. Li & S.-Y. Shaw, Characterization and generation of local C-cosine and C-sine functions, *International Journal of Evolution Equations*, 2009, 3rd quarter

(D) 研討會論文

- D1. 參加 2000 年數學年會演講  
講題：WEAK CONVERGENCE OF SEQUENCES TO ASYMPTOTIC CENTERS<sup>90</sup>
- D2. 參加台灣師範大學泛函分析研討會演講  
講題：THE LENGTH OF CONTRACTIBILITY OF COMPACT CONTRACTIONS ON A HILBERT SPACE
- D3. 參加 2001 年數學年會演講 (中興)  
講題：THE CONTRACTIBILITY OF COMPACT CONTRACTIONS IN A HILBERT SPACE
- D4. 參加中央大學 2002 年分析及其應用研討會演講  
講題：GENERALIZED ASYMPTOTIC C-RESOLVENT OF A CLOSED LINEAR

OPERATOR A

D5. 參加 2002 年數學年會演講 (逢甲)

講題：Weakly asymptotic properties of Banach spaces with weak Lim's condition and related results

D6. 參加 2004 年中山大學泛函分析研討會演講

講題：On  $\sigma$ -limit and  $s\sigma$ -limit in Banach spaces

D7. 參加 2008 年玄奘大學分析研討會

講題：Banach limits act on bounded functions.

D8. 參加 2009 年中央大學分析新苗研討會

講題：Some Recent Results Related Almost Convergence

D9. 參加 2010 年新竹教育大學分析微分方程研討會 (2010-11-12)

講題：Korovkin-type approximation theorem related with  $\sigma$ -limit

(E) 其他

E1. Weakly asymptotic properties of Banach spaces with weak Lim's condition and related results, preprint. (2003)

E2. Weak and strong almost-convergence of bounded weakly measurable functions, preprint. (with S.-Y. Shaw)

E3.  $\alpha$ -times integrated  $C$ -semigroups on Banach spaces, preprint.

E4. Ergodicity and mean stability of resolvent families, preprint. (with S.-Y. Shaw)

E5. 關於某些正線性近似算子的收斂速度。(碩士論文)(與黃俊霖)

E6. Some results about weakly almost-convergence in Banach spaces. (碩士論文)(with Sanny Li)

E7. Some results about  $ss$ -limits and a representation theorem of sequences in a reflexive Banach space, 2002. (碩士論文)(with Chifung Li)

E8. An application of Gamma operator functions, 2003. (碩士論文)(with Chien-Chieh Lee)