

Curriculum Vitae

Ying-Chih Lin

Distinguished Professor, Department of Chemistry, National Taiwan University
Nationality: Taiwan, R.O.C; Sex: M; Birth date: 1949.12.21
Phone: (886)-2-33661657 (O) (886)-2-23630140 (H)
Fax No.: (886)-2-33668670 E-Mail: yclin@ntu.edu.tw
Address: No. 1 Section 4 Roosevelt Road, 106, Taipei, Taiwan, ROC
Department of Chemistry, National Taiwan University

Education:

Ph. D. 1976-1981
Department of Chemistry, University of California at Los Angeles, USA
M. S. 1971-1973
Department of Chemistry, National Tsing Hua University, Hsin Chu, Taiwan, ROC
B. S. 1967-1971
Department of Chemistry, National Tsing Hua University, Hsin Chu, Taiwan, ROC

Experience:

- ▶ Member of Editorial Advisory Board 2014-2016
Organometallics, American Chemical Society
- ▶ Head, Chemistry Promotion Center 2009.01-2011.12
National Science Council (now Ministry of Science and Technology)
- ▶ Head of Instrumentation Center 2003.08 – 2005.05
College of Science and Liberal Art, National Taiwan University
- ▶ Visiting Scientist 2000.02 – 2001.01
Department of Chemistry, University of California at Irvine
- ▶ Chairman and Professor 1996.08 - 1999.07
Department of Chemistry, National Taiwan University
- ▶ Visiting Scientist 1991.09 – 1992.08
Department of Chemistry, The Scripps Research Institute
- ▶ Professor, 1987.08 – now
Department of Chemistry, National Taiwan University
- ▶ Associate Professor, 1983.08 – 1987.07
Department of Chemistry, National Taiwan University
- ▶ Visiting Research Scientist 1981.12 – 1983.07
Central Research and Development Department, du Pont de Nemours Company,
USA.

Honors and Awards:

National Science Council Award for Outstanding Research, 1994.
Sun Yat-Sen Award for Academic Publications, 2001.
National Taiwan University Award for Teaching Excellence, 2002.
Distinguished Professor, National Taiwan University, 2006-2015.

Area of expertise:

Organometallic Chemistry, Inorganic Photoluminescence Material,
Nuclear Magnetic Resonance, Homogeneous Catalysis.

96. Shu-Hao Chang, Wen-Ru Tsai, Hao-Wei Ma, Ying-Chih Lin,* Shou-Ling Huang, Yi-Hung Liu, and Yu Wang (2009) Intramolecular Diels-Alder Reactions in Ruthenium Vinylidene Complexes Containing Anthracenyl Groups *Organometallics* **2009**, *28*, 1863–1871. (IF: 3.679)
97. Chung-Yeh Wu, Hsien-Hsin Chou, Ying-Chih Lin,* Yu-Wang, Yi-Hung Liu (2009) Reactions of Ruthenium Vinylidene and Acetylide Complexes Containing Trichloromethyl Groups: Preparation of Cyclobutenonyl Complex by Solid State Photolysis *Chemistry A European Journal* **2009**, *15*, 3221 – 3229. (IF: 5.477)
98. Shin-Jong Huang, Chih-Ming Kuo, Ying-Chih Lin, Yi-Min Chen, Chung-Kuang Lu,* (2009) Carteraol E, a potent polyhydroxyl ichthyotoxin from the dinoflagellate *Amphidinium carterae* *Tetrahedron Letters* **2009**, *50*, 2512–2515. (IF: 2.483)
99. Ming-Chung Lui, Chia-Pei Chung, Wei-Chen Chang, Ying-Chih Lin,* Yu Wang, and Yi-Hong Liu (2009) Ruthenium Allenylidene and Allylcarbene Complexes from 1,6-Diyne *Organometallics* **2009**, *28*, 5204–5211. (IF: 3.679)
100. Chia-Pei Chung, Chien-Chih Chen, Ying-Chih Lin*, Yi-Hong Liu, Yu Wang (2009) Reactions of Ruthenium Cp Phosphine Complex with 4,4-Disubstituted-1,6-Enynes: Effect of Methyl Substituents in the Olefinic Fraction *J. Am. Chem. Soc.* **2009**, *131*, 18366–18375. (IF: 8.981)
101. Chien-Kai Chen, Hung-Chun Tong, Chih-Yung Chen Hsu, Chia-Yi Lee, Yih Hsuan Fong, Yao-Shun Chuang, Yih-Hsing Lo,* Ying-Chih Lin, and Yu Wang (2009) Synthesis and Reactivity of Ruthenium Azido Complexes Containing a Hydridotris(pyrazolyl)borate Ligand and Dimerization of Terminal Alkynes in Organic and Aqueous Media *Organometallics* **2009**, *28*, 3358–3368. (IF: 3.679)
102. Yu-Hao Huang, Wen-Wu Huang, Ying-Chih Lin,* Shou-Ling Huang (2010) Carbon-Carbon Bond Formation between Furyl and Triphenyl Phosphine Ligands in Ruthenium Complexes *Organometallics* **2010**, *29*, 38-41. (IF: 3.679)
103. Li-Han Chang, Cheng-Wei Yeh, Hao-Wei Ma, Shu-Yu Liu, Ying-Chih Lin,* Yu Wang, Yi-Hong Liu (2010) Carbon-Carbon Bond Formation Involving Vinylidene Ligand and Ferrocenyl Substituent in Cationic Ruthenium Complexes *Organometallics* **2010**, *29*, 1092-1099. (IF: 3.679)
104. Chun-Wei Lin, Pi-Tai Chou,* Yong-Hong Liao, Ying-Chih Lin,* Ching-Ting Chen, Yu-Chun Chen, Chin-Hung Lai, Bo-So Chen, Yi-Hung Liu, Chih-Chieh Wang, and Mei-Lin Ho* (2010) Photoisomerization of Maleonitrile Type Salen Schiff Base and Its Application in Fine-Tuning Infinite Coordination Polymers *Chemistry A European Journal* **2010**, *16*, 3770-3782. (IF: 5.477)
105. Wei-Ting Sun, Yau-Ting Huang, Guan-Jhih Huang, Hsiu-Feng Lu, Ito Chao,* Shou-Ling Huang, Shing-Jong Huang, Ying-Chih Lin, Jinn-Hsuan Ho, and Jye-Shane Yang* (2010) Pentiptycene-Derived Light-Driven Molecular Brakes: Substituent Effects of the Brake Component *Chemistry A European Journal* **2010**, *16*, 11594 – 11604. (IF: 5.477)
106. Pei-Yun Chiang, Ying-Chih Lin,* Yu Wang, and Yi-Hong Liu (2010) Aza-Claisen Rearrangement in the Cyclization Reactions of Nitrogen-Containing Enynes via Ruthenium Vinylidene Complexes *Organometallics* **2010**, *29*, 5776–5782. (IF: 3.679)
107. Kuo-Hao Chen, Yi Jhen Feng, Hao-Wei Ma, Ying-Chih Lin,* Yi-Hong Liu, Ting-Shen Kuo (2010) Cyclization Accompanied with 1,2-Phenyl Migration in the Protonation of Ruthenium Acetylide Complex Containing an Allenyl Group *Organometallics* **2010**, *29*, 6829–6836. (IF: 3.679)
108. Chung-Yeh Wu, Ying-Chih Lin,* Pi-Tai Chou, Yu Wang, Yi-Hung Liu (2011) One-Pot Synthesis of Substituted Benzene via Intermolecular [2+2+2] Cycloaddition Catalyzed by Air-Stable Ru(II)-Complex *Dalton Trans* **2011**, *40*, 3748–3753. (IF: 3.654)
109. Hsuan Yang, Chia-Pei Chung, Ying-Chih Lin,* Yi-Hong Liu (2011) Facile Oxygenation Reactions of Ruthenium Acetylide Complex Containing Substituted Olefinic Group *Dalton Trans* **2011**, *40*, 3703 - 3710. (IF: 3.654)
110. S.-J. Huang, C.-Y. Yang, A. Zheng, N. Feng, N. Yu, P.-H. Wu, Y.-C. Chang, Y.-C. Lin, F. Deng,* and S.-B. Liu* (2011) New Insights into Keggin-Type 12-Tungstophosphoric Acid from ³¹P MAS NMR Analysis of Absorbed Trimethylphosphine Oxide and DFT Calculations *Chem. Asian J.* **2011**, *137* – 148. (IF: 4.287).
111. Chien-Chih Chen, P.C. Cheng, S.L. Huang, Ying-Chih Lin,* Yi-Hong Liu (2011) Reactions of Cp Phosphine Ruthenium Allenylidene Complexes Tethering a Cyclopropyl Group *Chem. Asian J.* **2011**, *6*, 3122-3131. (IF: 4.287).

112. Wei-Chen Chang, Cheng-Wei Cheng, Hao-Wei Ma, Ying-Chih Lin,* and Yi-Hong Liu (2011) Tandem Cyclization in Ruthenium Vinylidene Complexes with Two Ester Groups *Organometallics* **2011**, *30*, 2747–2754. (IF: 3.679)
113. Ying-Chen Chen, Wei-Ting Sun, Hsiu-Feng Lu, Ito Chao,* Guan-Jhih Huang, Ying-Chih Lin, Shou-Ling Huang, Hsin-Hau Huang, Yan-Duo Lin, and Jye-Shane Yang* (2011) A Pentiptycene-Derived Molecular Brake: Photochemical E-Z and Electrochemical Z-E Switching of an Enone Module *Chemistry A European Journal* **2011**, *17*, 1193 – 1200. (IF: 5.477)
114. Cheng-Hua Yang, Ch. Prabhakar, Shou-Ling Huang, Ying-Chih Lin, Wei Shyang Tan, Nimesh C. Misra, Wei-Ting Sun, and Jye-Shane Yang* (2011) A Redox-Gated Slow-Fast-Stop Molecular Rotor *Organic Letters* **2011**, *13*, 5632-5635. (IF: 4.962)
115. Fu-Yuan Tsai, Hao-Wei Ma, Ying-Chih Lin,* Shou-Ling Huang, Yu Wang, Yi-Hong Liu (2012) Cyclization of Aromatic Propargyl Alcohol with a Thiophene Group Yielding Naphthothiophene Aldehyde Induced by a Ruthenium Complex *Chemistry A European Journal* **2012**, *18*, 3399 – 3407. (IF: 5.477)
116. Hao-Wei Ma, Ying-Chih Lin,* Shou-Ling Huang (2012) Sequential Allenylidene/Vinylidene Cyclization for Stereoselective Construction of Bicyclic Carbocycles from Propargyl Alcohol *Organic Letters* **2012**, *14*, 3846–3849. (IF: 4.962)
117. Yung-Ching Wang, Ying-Chih Lin,* Yi-Hung Liu (2012) Reactions of Propargyl Compounds Containing Cyclobutyl Group Induced by Ruthenium Complex *Chemistry An Asian Journal* **2012**, *7*, 2703–2710.
118. W.-T. Sun, S.-L. Huang, H.-H. Yao, I.-C. Chen,* Y.-C. Lin, J.-S. Yang* (2012) An Antilock Molecular Braking System *Organic Letters* **2012**, *14*, 4154–4157. (IF: 4.962)
119. Yun Hao-Wei Ma, Wei-Chen Chang, Fu-Yuan Tsai, Ying-Chih Lin,* Shou-Ling Huang, Yi-Hong Liu and Yu Wang (2013) Intramolecular Cyclization of Arylalkynes with C-O Bond Formation on Ruthenium Complexes *J. Chinese Chem. Soc.* **2013**, *60*, 855–864.
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121. Y.-J. Feng, J.-X. Lo, Y.-C. Lin,* S.-L. Huang, Y. Wang, Y.-H. Liu, (2013) Tandem Cyclization of Enynes Containing a Thioether or Ether Linkage via Ruthenium Allenylidene and Vinylidene Complexes *Organometallics* **2013**, *32*, 6379–6387. dx.doi.org/10.1021/om400742x
122. Y.-J. Feng, Y.-H. Lai, Y.-C. Lin, S.-L. Huang, Y.-H. Liu (2013) Reactions of Aromatic S- and O-Enynes with Two Methyl Substituents on the Olefinic Unit Assisted by Ruthenium Complex: Tandem Cyclization and Product Selectivity *Chemistry An Asian Journal* **2014**, *9*, 602-611. Doi:10.1002/asia201301264
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124. H.-T. Hsu, F.-Y. Tsai, Y.-C. Lin,* and Y.-H. Liu, (2014) Coupling Reactions of N-Propargyl Semi-Salen Compounds Induced by Ruthenium Complex *Organometallics* **2014**, *33*, 3366–3372.
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126. Y.-J. Feng, F.-Y. Tsai, S.-L. Huang, Y.-H. Liu, and Y.-C. Lin,* (2014) Cyclizations of Aryl Enynes Containing Propargyl Alcohol and Diallylamine Groups to Yield Indolecarbaldehydes Induced by Ruthenium Complexes *Eur. J. Inorg. Chem.* **2014**, 5406–5414.
127. C.-R. Chen and Y.-C. Lin* (2014) Syntheses of Arylphosphonium Salts from Cyclotrimerization of Terminal Aryl Alkynes by a Ruthenium Pentadienyl Complex and Revisiting the Catalytic Dimerization *Organometallics* **2014**, *33*, 6408–6412.
128. W.-T. Sun, G.-J. Huang, S.-L. Huang, Y.-C. Lin, and J.-S. Yang* (2014) A Light-Gated Molecular Brake with Antilock and Fluorescence Turn-On Alarm Functions: Application of Singlet-State Adiabatic Cis→Trans Photoisomerization *J. Org. Chem.* **2014**, *79*, 6321–6325.
129. J. Yao, C.-H. Hsu, Z. Li, T. S. Kim, L.-P. Hwang, Y.-C. Lin and Y.-Y. Lin* (2015) Magnetic Resonance Nano-Theranostics for Glioblastoma Multiforme *Current Pharmaceutical Design*, **2015**, *21*, in press.

130. W. S. Tan, P.-Y. Chuang, C.-H. Chen, C. Prabhakar, S.-J. Huang, S.-L. Huang, Y.-H. Liu, Y.-C. Lin, S.-M. Peng, and J.-S. Yang* (2015) Light-Gated Molecular Brakes Based on Pentiptycene-Incorporated Azobenzenes, *Chem. Asian J.* **2015**, *10*, 989 – 997.