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**專長1** 生醫材料熱分析及熱劣化反應機制與評估  
**專長3** 儀器分析  
**專長5** 奈米材料  
**專長7** 廢水處理  
**專長9** 職業安全與衛生

**專長2** 反應動力學  
**專長4** 高分子材料  
**專長6** 有機化學合成  
**專長8** 火災爆炸  
**專長10** 災害防救

### 教師研究成果資料明細



#### SCI、SSCI、A&HCI、EI、TSSCI期刊論文

1. 林駿憑(Chun-Ping Lin)、,2010-10, (已刊登)

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 卷102期:587頁~595頁  
Modeling liquid thermal explosion reactor containing tert-butyl peroxybenzoate

2. 林駿憑(Chun-Ping Lin)、,2011-02, (已刊登)

Advanced Materials Research 189-193卷期:1413頁~1416頁  
RDX Kinetic Model Evaluation by Nth Order Kinetic Algorithms and Model Simulations

3. 林駿憑(Chun-Ping Lin),2010-10, (已刊登)

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 卷102期:641頁~646頁  
Comparisons of MWCNTs and acidified process by HNO<sub>3</sub> on thermal stability by DSC and TG-FTIR

4. 林駿憑(Chun-Ping Lin)\*,2010-10, (已刊登)

International Journal of Chemical Reactor Engineering 8卷期:Article A1頁~頁  
Modeling Thermal Decomposition Kinetic Algorithms on CL-20 and HMX

5. 林駿憑(Chun-Ping Lin),2011-02, (已刊登)

Advanced Materials Research 194-196卷期:2115頁~2118頁  
Gallium and Arsenic Recovery from Waste Gallium Arsenide by Wet Refined Methods

6. 林駿憑(Chun-Ping Lin)\*,2011-02, (已刊登)

Advanced Materials Research 189-193卷期:1417頁~1420頁  
Thermal Stability Determination, Anti-Biodegradation, and Thermal Degradation of Nitrocellulose with Various Nitrogen Content by DSC and FT-IR

7. 林駿憑(Chun-Ping Lin)\*,2010-10, (已刊登)

PROCESS SAFETY AND ENVIRONMENTAL PROTECTION 88卷期:413頁~419頁  
Comparisons of TGA and DSC approaches to evaluate nitrocellulose thermal degradation energy and stabilizer efficiencies

8. 林駿憑(Chun-Ping Lin),2010-10, (已刊登)

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 102卷期:523頁~533頁

Evaluations of fire and explosion hazard for the mixtures of benzene and methanol using rough set method

9. 林駿憑(Chun-Ping Lin) ,2011-06, (已刊登)

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 卷106期:165頁~172頁  
Thermokinetic parameters and thermal hazard evaluation for three organic peroxides by DSC and TAM III

10. 林駿憑(Chun-Ping Lin) ,2011-06, (已刊登)

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 卷106期:179頁~189頁  
Fire and explosion hazard evaluation for the acetone aqueous solutions

11. 林駿憑(Chun-Ping Lin) ,2008-10, (已刊登)

Conference Proceedings - IEEE International Conference on Systems, Man and Cybernetics 卷10期:2443頁~2447頁  
Safety management on fire emergency response by VESDA applications at semiconductor plants

12. 林駿憑(Chun-Ping Lin) ,2009-05, (已刊登)

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 95卷2期:547頁~552頁  
A comparison of thermal decomposition energy and nitrogen content of nitrocellulose in non-fat process of DSC and EA

13. 林駿憑(Chun-Ping Lin) ,2009-10, (已刊登)

PROCESS SAFETY AND ENVIRONMENTAL PROTECTION  
87卷2009期:353頁~360頁  
Emergency response study for chemical releases in the high-tech industry in Taiwan—a semiconductor plant example

14. 林駿憑(Chun-Ping Lin) ,2009-10, (已刊登)

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY  
96卷2009期:783頁~787頁  
Thermal hazards evaluation of cumene hydroperoxide mixed with its derivatives

15. 林駿憑(Chun-Ping Lin) ,2010-03, (已刊登)

JOURNAL OF HAZARDOUS MATERIALS 176卷2010期:549頁~558頁  
Modeling solid thermal explosion containment on reactor HNIW and HMX

16. 林駿憑(Chun-Ping Lin) ,2010-02, (已刊登)

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY  
100卷2010期:607頁~614頁  
Comparisons of nth order kinetic algorithms and kinetic model simulation on HMX by DSC tests

17. 林駿憑(Chun-Ping Lin) ,2011-06, (已刊登)

JOURNAL OF HAZARDOUS MATERIALS 卷192期:1427頁~1436頁  
Kinetic and safety parameters analysis for 1,1,-Di-(tert-butylperoxy)-3,3,5-trimethylcyclohexane in isothermal and non-isothermal conditions

18. 林駿憑(Chun-Ping Lin)\* ,2012-01, (已刊登)

JOURNAL OF LOSS PREVENTION IN THE PROCESS INDUSTRIES  
卷25期:1頁~7頁  
Green thermal analysis for predicting thermal hazard of storage and transportation safety for tert-butyl peroxybenzoate

19. 林駿憑(Chun-Ping Lin) ,2011-09, (已刊登)

Advanced Materials Research 328-330卷期:124頁~127頁

Comparison of the Isothermal and Non-isothermal Kinetics for Predicting the Thermal Hazard of Tert-butyl Peroxybenzoate

20. 林駿憑(Chun-Ping Lin) ,2011-09, (已刊登)

Advanced Materials Research 328-330 卷期:920頁~924頁  
Fire Safety Assessment Research for High-Tech Plants

21. 林駿憑(Chun-Ping Lin) ,2011-09, (已刊登)

Advanced Materials Research 328-330 卷期:1008頁~1012頁  
Fire Investigations and Analyses for a Typical Agricultural County in Yunlin, Taiwan

22. 林駿憑(Chun-Ping Lin)\* ,2011-06, (已刊登)

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH  
50卷16期:9487頁~9494頁  
Green thermal analysis technology for evaluating the thermal hazard of di-tert-butyl peroxide

23. 林駿憑(Chun-Ping Lin)\* ,2011-12, (已刊登)

JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY 卷期:頁~頁  
Prediction of thermal hazard of liquid organic peroxides by non-isothermal and isothermal kinetic model of DSC tests

24. 林駿憑(Chun-Ping Lin)\* ,2012-, (已刊登)

CHEMICAL ENGINEERING JOURNAL 80卷2012期:284頁~292頁  
Green technology for improving process manufacturing design and storage management of organic peroxide

25. 林駿憑(Chun-Ping Lin) ,2012-01, (已刊登)

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25卷2012期:302頁~308頁  
Multi-walled carbon nanotube thermal stability characteristics evaluation by DSC tests

26. 林駿憑(Chun-Ping Lin) ,2012-01, (已刊登)

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Effect of different concentrations of acetone for the decomposition reactions of peroxyketal peroxides

27. 林駿憑(Chun-Ping Lin) ,2012-05, (已刊登)

JOURNAL OF LOSS PREVENTION IN THE PROCESS INDUSTRIES 卷期:頁~頁  
The Thermal Hazard Evaluation Of 1,1-Di (Tert-Butylperoxy) Cyclohexane By DSC Using Non-Isothermal And Isothermal Kinetic Simulations