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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

研究計畫

1. 林駿憑 國科會 2011.01.1 ~2011.12.31

以綠色熱分析技術估算液態有機過氧化物之熱危害參數

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~416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 HNO₃ 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 8 8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)

JOURNAL OF LOSS PREVENTION IN THE PROCESS INDUSTRIES

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)

THERMOCHIMICA ACTA 527卷2012期:27頁~32頁

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

非SCI、SSCI、A&HCI、EI、TSSCI...等具審查機制論文

1. 林駿憑(Chun-Ping Lin) ,2010-03, (已刊登)

Aerosol and Air Quality Research 10卷2010期:212頁~218頁

Thermal Analysis of Multi-walled Carbon Nanotubes by Kissinger's Corrected Kinetic Equation

研討會論文

1. 林駿憑(Chun-Ping Lin) 2010.08.15~2010.08.18

Non-isothermal and isothermal calorimeter applied on three liquid organic peroxides thermokinetic parameters and thermal hazard evaluation

The 38th Annual Conference on Thermal Analysis (NATAS) 2010

2. 林駿憑(Chun-Ping Lin)、林駿憑(Chun-Ping Lin) 2010.09.8 ~2010.09.10

Modeling liquid thermal explosion reactor containing tert-butyl peroxybenzoate
International Security Technology & Management Conference (ISTAM) 2010

3. 林駿憑(Chun-Ping Lin)、林駿憑(Chun-Ping Lin) 2010.09.8 ~2010.09.10

Thermal stability determination anti-biodegradation and thermal degradation of
nitrocellulose with various nitrogen contents by DSC and FT-IR
International Security Technology & Management Conference (ISTAM) 2010

4. 林駿憑(Chun-Ping Lin) 2011.04.7 ~2011.04.9

RDX kinetic model evaluation by nth order kinetic algorithms and model simulations
2nd International Conference on Manufacturing Science and Engineering (ICMSE
2011)

5. 林駿憑(Chun-Ping Lin) 2011.04.7 ~2011.04.8

Thermal stability determination, anti-biodegradation, and thermal degradation of
nitrocellulose with various nitrogen content by DSC and FT-IR
2nd International Conference on Manufacturing Science and Engineering (ICMSE
2011)

6. 林駿憑(Chun-Ping Lin) 2008.10.12~2008.10.15

Safety management on fire emergency response by VESDA applications at
semiconductor plants
Systems, Man, and Cybernetics (SMC 2008)

7. 林駿憑(Chun-Ping Lin) 2008.05.18~2008.05.21

A comparison of thermal decomposition energy and nitrogen content of
nitrocellulose in non-fat process of linters by DSC and EA
Submission of 5th International and 7th China- Japan Joint Symposium on
Calorimetry and Thermal Analysis (CATS 2008)

8. 林駿憑(Chun-Ping Lin) 2008.08.18~2008.08.20

A comparison of thermal decomposition energy for cellulose nitrate by TGA and
DSC approaches
The 36th Annual Conference on Thermal Analysis (NATAS) 2008

9. 林駿憑(Chun-Ping Lin) 2008.11.20~2008.11.22

2008 Taiwan/Korea/Japan Chemical Engineering Conference and 55th Taiwan
Institute of Chemical Engineers Annual Conference

10. 林駿憑(Chun-Ping Lin) 2008.09.25~2008.09.26

Thermal Decomposition Energy for Cellulose Nitrate by TGA and DSC Approaches
International Conference on Disaster Prevention Technology and Mitigation
Education (ICDM 2008)

11. 林駿憑(Chun-Ping Lin) 2008.11.20~2008.11.22

A comparison of thermal stability, nitration degree and activation energy for
nitrocellulose in non-Fat process of linters by DSC and EA
2008 Taiwan/Korea/Japan Chemical Engineering Conference and 55th Taiwan
Institute of Chemical Engineers Annual Conference

12. 林駿憑(Chun-Ping Lin) 2009.06.14~2009.06.17

Modeling thermal decomposition kinetic algorithm on CL-20 and HMX
2nd International Congress on Green Process Engineering, 2nd European Process
Intensification Conference (GPE-EPIC)

- 13. 林駿憑(Chun-Ping Lin) 2009.09.21~2009.09.23**
Modeling liquid thermal explosion reactor containing tert-butyl peroxybenzoate
The 37th Annual Conference on Thermal Analysis (NATAS) 2009
- 14. 林駿憑(Chun-Ping Lin) 2009.09.21~2009.09.23**
Thermal stability determination anti-biodegradation and thermal degradation of nitrocellulose with various nitrogen contents by DSC and FT-IR
The 37th Annual Conference on Thermal Analysis (NATAS) 2009
- 15. 林駿憑(Chun-Ping Lin) 2009.11.27~2009.11.28**
Investigations on Flammability Characteristics of Acetone Aqueous Solution at 150°C and 1 atm
2009 Mary Kay O' Connor Process Safety Center International Symposium
- 16. 林駿憑(Chun-Ping Lin) 2008.11.27~2008.11.27**
Evaluation on thermal decomposition energy of nitrocellulose with diphenylamine by DSC
The 17th Conference on National Defense Science and Technology (ND17)
- 17. 林駿憑(Chun-Ping Lin) 2008.11.27~2008.11.27**
Thermal degradation of nitrocellulose with four different Nitrogen contents by FT-IR
The 17th Conference on National Defense Science and Technology (ND17)
- 18. 林駿憑(Chun-Ping Lin) 2009.05.22~2009.05.22**
利用 DSC、TGA 與 FTIR 探討多壁奈米碳管與其表面改質之熱分析研究
第六屆環境保護與奈米科技學術研討會
- 19. 林駿憑(Chun-Ping Lin) 2009.11.6 ~2009.11.7**
過氧苯酸第三丁酯之熱爆炸模擬理論
中華民國環境工程學會第二十屆 (2009) 年會
- 20. 林駿憑(Chun-Ping Lin) 2009.10.22~2009.10.22**
運用 DSC 測試進行多壁奈米碳管熱動力學估算及熱危害模擬之研究
98 年?冶工程學會年會

參與期刊編輯

- 1. 林駿憑 2011-01-01~2011-12-31**
International Journal of Quality, Statistics, and Reliability
- 2. 林駿憑 2010-12-28~2011-01-05**
Journal of Petroleum and Gas Engineering
- 3. 林駿憑 2011-01-01~2011-01-05**
Journal of Petroleum and Gas Engineering
- 4. 林駿憑 2011-05-31~2011-06-22**
Journal of Loss Prevention in the Process Industries
- 5. 林駿憑 2011-01-19~2011-01-30**
Journal of Petroleum and Gas Engineering