

福 州 大 学

Fuzhou University

科技论著目录汇编
(1992)

A Collection of Catalogues of Works
on Science and Technology in 1992

福 州 大 学 科 研 处

Scientific Research Office of Fuzhou University

1993. 4

说 明

为了便于开展我校与国内外的学术交流,兹将我校 1992 年发表的科技论文目录(中英文对照)汇编成册。论文目录收入了国内外公开发行的刊物上正式发表和编入科技学术会议论文集的论文。由于统计不全和水平有限,定有不当之处,敬请批评指正。

科研处

1993. 4

Preface

For the convenience of the development of the academic exchange between our university and other institutions at home and abroad, we hereby compile this book of catalogues (English — Chinese bilingual) of the papers on science and technology published in 1992. The catalogues include those of the papers for regularly published in periodicals and magazines circulated publicly in and out of the country, it includes, too, those of the papers which are enrolled in the collection of papers delivered at scientific and technological conference. Owing to our inability to collect all the papers and limitation of our capability, errors are inevitable. We sincerely invite your comments and criticism.

Scientific Research Office

April, 1993

目 录

1.数学系	(1)
2.电子科学与应用物理系	(5)
3.化学系	(9)
4.计算机科学与技术系	(30)
5.无线电工程系	(33)
6.化学工程系	(35)
7.机械工程系	(41)
8.电气工程系	(52)
9.资源工程系	(57)
10.轻工业系	(58)
11.土木建筑工程系	(60)
12.外国语学系	(69)
13.财经学院	(71)
14.管理系	(72)
15.贸易系	(74)
16.会计系	(75)
17.财政金融系	(78)
18.社会科学部	(80)
19.自动化研究所	(85)
20.科研处	(86)
21.宣传部	(88)
22.图书馆	(89)
23.学生工作处	(90)
24.生产处	(92)
25.组织部	(93)
26.财务处	(94)
27.福州大学医院	(95)
28.纪委	(96)

CONTENTS

1. Department of Mathematics	(1)
2. Department of Electronic Science and Applied Physics	(5)
3. Department of Chemistry	(9)
4. Department of computer Science and Technology	(30)
5. Department of Radio Engineering	(33)
6. Department of Chemical Engineering	(35)
7. Department of Mechanical Engineering	(41)
8. Department of Electrical Machinery	(52)
9. Department of Resource and Engineering	(57)
10. Department of Light Industry	(58)
11. Department of Civil and Industrial Architectural Engineering	(60)
12. Department of Foreign Languages	(69)
13. College Finance and Economics	(71)
14. Department of Management	(72)
15. Department of Trade	(74)
16. Department of Accounting	(75)
17. Department of Finance and Banking	(78)
18. Social Sciecnce Department	(80)
19. Institute of Automation	(85)
20. Scientific Research Office	(86)
21. Propaganda Department	(88)
22. The University Library	(89)
23. Student Administration Office	(90)
24. Production Office	(92)
25. Organizing Section	(93)
26. Finance Section	(94)
27. The University Hospital	(95)
28. Commission for Inspecting Discipline	(96)

数 学 系

Department of Mathematics

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
1	向量场的结构稳定性 Structural Stability of Vector Fields	林振声 Lin Zhenshen	微分方程年刊 Annals of Differential Equations	1992 №1
2	广义指数型二分性的充要条件 A Sufficient Condition for Generalized Exponential Dichotomies	林木仁 Lin Muren	微分方程年刊 Annals of Differential Equationsdisplay	1992 №1
3	Cr 封闭性引理 III Cr Closing Lemma (III)	林振声 Lin Zhenshen	微分方程年刊 Annals of Differential Equations	1992 №3
4	光管局部线性化和指数型二分性 Cr Closing Linearization and Exponential Dichotomy	林发兴 Lin Faxing	微分方程年刊 Annals of Differential Equations	1992 №3
5	非线性可约性的充要条件 Sufficient and Necessary Conditions of Reducible of Nonlinear Systems	史金麟 Shi Jinling	微分方程年刊 Annals of Differential Equations	1992 №3
6	煤矿安全水平的 Fuzzy 分析 Fuzzy Evaluate of Safety Level on Colliery	江国彪 Jiang Guobiao	模糊系统与数学 Fuzzy System and Math.	1992. Vol. 6 No. 3
7	信息网在生物科学中的应用 The Application of Message Grap on Biological Science	江国彪 刘宗廉 Jiang Guobiao Liu Zonglian	离散数学一百例 A hundred examples for discrete mathematics	1992. 8
8	克库勒结构计数的递归关系求解法 The Recurrence Relative Solution of Kekule Structures Number	陈荣斯 江国彪 Chen Rongsi Jiang Guobiao	离散数学一百例 A hundred examples for discrete mathematics	1992. 8
9	位势论于函数论的两个新应用 Two New Applications of Potential Theory to Function Theory	涂宏基 Tu Hongji	工科数学 Journal of Mathematics for Technology	1992 №1

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
10	M—下调和函数的边界行为 The Boundary of M—Subharmonic Functions	涂宏基 Tu Hongji	工科数学 Journal of Mathematics for Technology	1992 No2
11	K—可覆盖冠状系统的实现 Realization of K—Coverable Coronoid Systems	林可容 Lin Kerong	新疆大学学报 Journal of Xinjiang University	1992 No1
12	Linear Systems and Reducibility 线性系统和可约性	Shi Junning 施均宁	Annals of Differential Equations 微分方程年刊	1992 No3
13	A Generalization of Hartman's Linearization Theorem Hartman 线性化定理的推广	Chen Xiaoxin 陈晓星	" "	1992 No2
14	多次线性判别方法 Multivariate Linear Discriminate Method	梁飞豹 Liang Feibao	福州大学学报 (自然科学版) Journal of Fuzhou University (Natural Science Edition)	1992 No1
15	几种特殊图类的圈权估计 Estimation of Weigh of Cycle in Some Special Graph Classess	颜荔融 Yan Lirong	" "	1992 No1
16	关于顶点子集凝聚度的若干定理(续) Several Theorems of Cohesiveness of Subset of Points(Continuation)	郭玉端 Guo Yudian	福州大学学报 (自然科学版) Journal of Fuzhou University (Natural Science Edition)	1992 No2
17	局部凸拓扑空间集值 K 映像的不动点及其谱 Fixed Points and Spectrum of Set—Valued K—Mapping on Locally Convex Topological Spaces	黄建华 Huang Jianhua	" "	1992 No2

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
18	3 连通 3 正则权图圈权的一个猜想的证明 Proof of Conjecture about the Weight of Cycle in 3—Connected 3—Regular Weighted Graph	颜荔融 Yan Lirong	福州大学学报 (自然科学版) Journal of Fuzhou University (Natural Science Edition)	1992 №3
19	改进的 Riemann—Stieltjes 积分序列弱收敛的某些定理 Some Theorems of Weak Convergence for Sequence of Modified Riemann—Stieltjes Integral	黄可明 Huang Keming	" "	1992 №3
20	关于位势的渐进行为 On Asymptotic Behaviors of Potentials	涂宏基 舒志彪 Tu Hongji Shu Zhibiao	" "	1992 №4
21	f—凸多目标最优化的对偶理论 Duality Theory of Multiobjective Optimization Problem with f—Convexity	陈增改 林棋桐 Chen Zhenzhen Lin Qitong	" "	1992 №4
22	幻方新结构 A New Method for Constructing Magic Squares	郑荣辉 林可容 陈荣期 Zheng Ronghui Lin Kerong Chen Rongqi	" "	1992 №4
23	广义循环布尔矩阵的本原性 Primitivity of Generalized Circulant Boolean Matrices	谭宜家 Tan Yijia	" "	1992 №4
24	某些复盖性质的乘积与刻画 On the Products and Characterizations of some covering Properties	江辉有 Jiang Huiyou	四川大学学报 (自然版) Journal of Sichuan University (Natural Science Edition)	1992 №1

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
25	双周期核奇异积分算子代数 ON doubly periodic Kernel algebra with singular integral operator	王传荣 Wan Chuan- rong	数学物理学报 Acta Mathematica —— Physical Sinica	1992 №4
26	Mean Value Properties for symmetri- cally Differentiable Functions 对称可微函数的平均值性质	Fu Shusheng 付树声	Real Analysis Ex- change 实分析交流	Vol. 17 (1991—92)

电子科学与应用物理系

Department of Electronic Science and Applied Physics

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 · 刊 物 Periodicals	发表时间、期号 Date and Issue No
1	Si 浅 P—n 结上的光电子发射和雪崩电子发射 Photoelectron Emission and Avalanche Electron Emission from Shallow Silicon P—n Junctions	郭太良 Guo Tailiang	应用物理学报 J. Appl. Phys.	1992. 10
2	具有碱锑过渡层的负电子亲和势 Si 光电子阴极 Negative Electron Affinity Silicon Photocathodes with Alkali Antimonide Intermediate Layers	郭太良 Guo Tailiang	" "	1992. 11
3	负电子亲和势多碱光电阴极 Negative Electron Affinity Multialkali Photocathodes	郭太良 Guo Tailiang	第 12 届国际真空会议暨第 8 届国际固体表面会议论文集 Proc. 12th International Vacuum Congress/8th International Conference on Solid S	1992. 10
4	高掺镁铌酸锂晶体的主折射率及其温度系数的测量 Measurements of Principal Refractive Indices and their Thermal Coefficients of LiNbO ₃ Crystal Heavily Doped with Magnesium	徐浩 Xu Hao	光学学报 ACTA OPTICA SINICA	1992. Vol. 12 No10
5	高掺镁铌酸锂晶体临界和非临界相位匹配条件 The Critical and Noncritical Phase Matching Condition for Heavily Magnesium Doped with LiNbO ₃ Crystal	徐浩 Xu Hao	激光技术 LASER TECHNOLOGY	1992. Vol. 16 No5

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
6	金属表面的分维 Fractal Dimension of Metallic Surfaces	康承华 Kang Chenghua	科学通报 Scientia Sinica	1992. Vol. 37 No20
7	信息论的物理基础 The Physical Foundations of Information Theory	康承华 Kang Chenghua	物理 Physics	1992 No4
8	磁捕获非局域效应下的等离子体波的不稳定性 The Nonlocal Effects of Magnetic Trapped on Plasma Wave and Instability	林 景 卞伯达 Lin Jing Bian Boda	福建省首届青年学术讨论会论文集 Proc. of the 1st Junior Scientific Conf. of Fujian	1992. 12
9	Noether 定理的推广 Extension of Noether's Law	邱荣 喻身启 李怀玖 Qiu Rong Yu Shenqi Li Huaijiu	辽宁师范大学学报 Journal of Liaoning Normal University	1992. Vol. 15 No1
10	微观物理量不确定关系的信息熵表示 The Information Entropic Uncertainty Relation for Microscopic Physical Observables	林景 涂宜炎 Lin Jing Tu Yiyian	" "	1992 No4
11	阿贝尔手征群陪集纯规范场的恒等式与重正化 Both The Identity and the Renormalization of Pure Gauge Fields on Coset Space of Abelian Chiral Group	邱荣 Qiu Rong	量子物理前沿论题题际会议论文集 Proceeding of International Symposium on Advanced Topics of Quantum Physics	1992. 6

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
12	熵、信息熵和心电图的分维 Entropy, Information Entropy and Fractal Dimension of Electrocardiogram	康承华 康京娟 Kang Chenghua Kang Jingjuan	福州大学学报 (自然科学版) Journal of Fuzhou University (Natural Science Edition)	1992 No1
13	等离子体反应溅射生成 SnO_2 气体传感器薄膜的研究 Study of SnO_2 Thin Film Gas Sensors from Plasma Reactive Sputtering	姚圣康 林玉枝 Yao Shengkang Lin Yuzhi	" "	1992 No1
14	用 X 射线光电子谱仪测量功函数变化的一种新方法 A New Method of Measuring Work Function Chances by XPS	冯敦平 Fen Dunping	" "	1992 No1
15	WE 延伸方法与 Burger 方程及其它几个方程的关系 Relation Among Burger's and Some Other Equations Studied Via WE Prolongation Mrthod	陈德芳 邱 荣 Chen Defang Qiu Rong	" "	1992 No2
16	合金膜的分维 Fractk Dimension of Alloy Film	康承华 Knag Chenghua	" "	1992 No2
17	新型场致发射阴极区电场的数值分析 Numerical Analysis of a New Type Field Emission Cathodes by the Finite Elements Method	李旦振 俞 康 高怀蓉 Li Danzhen Yu Kang Gao Huairong	" "	1992 No3

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
18	提高方形硅膜压力传感器灵敏度的 几个重要措施 Important Measures for Increasing Sensitivity of Square Silicon Di- aphragm Pressure	冯景星 Fen Jingxing	福州大学学报 (自然科学版) Journal of Fuzhou Universi- ty (Natural Sci- ence Edition)	1992 №3
19	对 Voigt 函数法的一点探讨 Some Improving Points of Voigt Func- tion Methods	吴万国 Wu Wanguo	" "	1992 №3

化 学 系

Department of Chemistry

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
1	Solid Phase Synthesis and Characterization of $\text{Na}_3\text{Zr}_{2-y}\text{Nb}_{0.8y}\text{Si}_2\text{PO}_{12}$ System $\text{Na}_3\text{Zr}_{2-y}\text{Nb}_{0.8y}\text{Si}_2\text{PO}_{12}$ 系统的合成与表征	王文继等 Wang Wunji etc.	Solid State Ionics 固态离子	51,97(1992)
2	A New Lithium Fast Ion Conductors Based on $\text{LiGe}_2(\text{PO}_4)_3$ and Pyrophyllite 以 $\text{LiGe}_2(\text{PO}_4)_3$ 和叶腊石为基的新锂快离子导体	Wang Wenji Chen Jingxi Zhao Jingzong 王文继 陈静西 赵景总	Solid State Ionics Materials and Applications 固态离子: 材料与应用	369(1992)
3	Some Mineral Solid Electrolytes and their Applications in Solid State Batteries 某些矿物固体电解质及其在固体电池中的应用	Wang Wenji Chen Jingxi Zhan Jingzong 王文继 陈静西 赵景总	" "	619(1992)
4	Studies on the Electrochemistry of Phenylglycine 氨基腊 Phe 的电化学研究	Zhang Qing 张清	Proceedings of the 1st Symposium on Electrochemistry 第一届国际电化学学术讨论会论文集	1992
5	A Study of the Electrochemistry of Leynurazine and N-formyluynurazine at Solid Electrodes 氨基酸 Kyn 和 F-Kyn 在固体电极上的电化学研究	Zhang Qing 张腊	" "	1992

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
6	The Unusual Reaction of Tetra-chlorothiophene Dioxide with an Adduct of 5, 6-Bismethylenuraene and Hexachloronorbornadiene 5,6—双甲冰片烯与二氯冰片二烯的和四氯吩二氯化物之间的异常反应	Liu Shixiong 刘世雄	J. Chem. Soc. Chem. Commwn 化学通讯	1991
7	structure of a New Type of Copper Carboxylate Complex: $[\text{Cu}(\text{C}_{14}\text{H}_9\text{O}_3)(\text{C}_{10}\text{H}_8\text{N}_2)]_2 \cdot \text{C}_8\text{H}_7\text{NO} \cdot \text{H}_2\text{O}$ 一种新的类型的铜的羧酸配合物 $[\text{Cu}(\text{C}_{14}\text{H}_9\text{O}_3)(\text{C}_{10}\text{H}_8\text{N}_2)]_2 \cdot \text{C}_8\text{H}_7\text{NO} \cdot \text{H}_2\text{O}$ 的结构	Liu Shixiong etc. 刘世雄等	国际结晶学杂志 Acta Cryst	C48,22(1992)
8	High—Temperature Synthesis and Structure Redetermination of Te4I4 Te4I4 的高温合成和结构重新测定	Cai Guanlian etc. 蔡冠梁等	" "	C47(1991)
9	Determination of the Redox Active Forms of Oxindolylalanine and Peptides of Kynurenine on the Basis of Electrochemical Studiges	Zhang Qing 张清	J. Electroanal. Chem.	315(1991)
10	Electrochemical Reduction of Formylkynurenine in Aqueous Media	Zhang Qing 张清	" "	317(1991)
11	Study of Hypersensitive Colour Reactions of Tin(IV) with 2,6,7-Trihydroxyphenylfluorone Deriratives in the Presence of Nitrilotriacetic Acid and mixed Surfactants 在氨三乙酸和混合表面活性剂存在下锡和 2,6,7—三羟基苯基荧光酮衍生物的超灵敏显色反应的研究	Wang Dongjin Xie Zenghong Wu Qinglian 王东进 谢增鸿 吴钦莲	Analyst 分析家	116 (11), 1189 (1991)

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
12	库仑双点滴定法研究 I. 双极化电极电流法 Studies of Coulometric Double—Point Titration I. Two Polarizing Electrodes—Current Method	林文如 Lin Wenru	应用化学 Chinese Journal of Applied Chemistry	9(5), 113(1992)
13	用二点滴定法测定化合物的组成比 Determination of Composition Ratio of Compound Using Two—Point Titration Method by Differential Evaluation	林文如等 Lin Wenru etc.	分析化学 Chinese Journal of Analytical Chemistry	20 (10), 1202 (1992)
14	极谱双点滴定法测定啤酒花中 α 酸的含量 Determination of α -Acid in Hop by Direct Potentiometry with Double—Point Polarographic Titration	林文如等 Lin Wenru etc.	分析测试通报 Bulletin of Analysis & Testing	1992 №26
15	库仑双点电位滴定法测定氯 Determination of Chloride with Coulometric Double—Point Potentiometric Titration	林文如等 Lin Wenru etc.	分析化学 Chinese Journal of Analytical Chemistry	20 (11) 1337 (1992)
16	金属和试剂分别过量时形成不同颜色络合物的组成及其浓度数学解的计算 Calculation for Composition of Forming Different Color Complex Under Excessive Reagent and Metal	王东进等 Wang Dongjin etc.	分析化学 Chinese Journal of Analytical Chemistry	20 (3), 306 (1992)
17	对氯苯基荧光酮的合成及其与钨(VI)反应的分光光度法研究 Synthesis of P—Chlorophenylfluorone and Spectrophotometric Study of its Reaction with Tungsten(VI)	王东进 庄锦英 谢增鸿 Wang Dongjin Zhuang Jinying Xie Zenghong	化学试剂 Chemical Reagent	1992, 14(2)

序号 No	论 文 题 目 Title of Papers	作 者 Author	发 表 刊 物 Periodicals	发表时间、期号 Date and Issue No
18	水溶性双卟啉 DTPPS ₆ 的合成及其与铜(Ⅱ)显色反应的分光光度法研究 Synthesis of Diporphine DTPPS ₆ and Spectrophotometric Study of its Color Reaction with Copper(Ⅱ)	王东进等 Wang Dongjin etc.	化学试剂 Chemical Reagents	14 (3), 132 (1992)
19	高灵敏显色剂—meso—四(4—甲基,3—磺基苯)卟啉分光光度法测定痕量钴(Ⅱ)的研究 Studies on the Spectrophotometric Determination of Trace Amounts of Cobalt (Ⅱ) with meso—tetra (4—methy —3—Sulfohenyl) Porphyrin (TTPS ₄)	吴其庄 王东进 Wu Qizhuang Wang Dongjin	冶金分析 Metallurgical Analysis	12(3),16(1992)
20	一种新的非线性光学材料[Cd(POM) ₂ Br ₂]的二次谐波效应和晶体结构 Second Harmonic Effect and Crystal Structure of A New Nonlinear Optical Material [Cd(POM) ₂ Br ₂]	李宋贤等 Li Songxian etc.	科学通报 Chinese Science Buletine	37(11)1992
21	配合物[Zn(POM) ₂ Br ₂]的晶体结构和 SHG 效应 Crystal Structure and SHG Effect of Complex Xn(POM) ₂ Br ₂	李宋贤 王哲民 Li Songxian Wang Zheming	中国化学快报 Chinese Chem. Letters	3(5)1992
22	The synthesis and Crystal structure of [CrFeMO (O ₂ CCH ₃) ₆ Py ₃]. Py (M = Mn, Co, Ni) [CrFeMO (O ₂ CCH ₃) ₆ . Py (M = Mn, Co, Ni)的合成和分子结构	Yu Xiufen Jiang Yaqi 余秀芬 蒋亚祺	Chinese Science Bulletin 科学通报	94(1992)