

## 最新动态

- [六部门发布国家中长期生物技术人...](#)
- [“膜过滤-汲取集成技术及其应用”...](#)
- [“芦笋天然色素制备工艺研究”项...](#)
- [过程工程所公共仪器装备管理服务...](#)
- [中科院学习传达2011年中央经济工...](#)
- [“聚乙二醇重组人粒细胞集落刺激...](#)
- [中国科学院新增选51名院士](#)
- [中科院战略性先导科技专项第二次...](#)

[更多>>](#)

## 学术队伍



博士, 1990年毕业于清华大学化工系。研究方向为生物矿化和生物环境材料、环境微生物技术、生物催化。[详细>>](#)

李浩然



博士, 研究员。现任《离子交换与吸附》杂志编委。2002年于北京化工大学获工学博士学位。主要从事..[详细>>](#)

雷建都



1972年11月生, 研究员, 硕士生导师。2004年中国科学院过程工程研究所获博士学位。瑞典Uppsala大学..[详细>>](#)

顾铭



研究员, 1999年获得在中科

## 合作交流

- [2001-2005批准立项开放基金](#)
- [2006-2010批准立项开放基金](#)
- [2010年外宾来访情况](#)
- [2009年外宾来访情况](#)
- [2006-2010年实验室组织筹备或参与..](#)
- [2008年外宾来访情况](#)
- [2007年外宾来访情况](#)

[更多>>](#)

## 相关链接 Links

- [院内单位](#)
- [新闻媒体](#)
- [院直属科研单位](#)
- [政府机构和组织](#)
- [支撑体系](#)

您现在的位置: 首页 &gt;&gt; 科研成果 &gt;&gt; 发表论文 &gt;&gt;

### 2008年论文专著

[ 更新时间: 2010-12-19 点击数: 314 ]

论文(专著)名称类别	通讯作者	期刊(出版社)名称	卷、期、页
<b>专著</b>			
Current Research and Developments on Chitin and Chitosan in Biomaterials and Science (章节)	苏志国	Research Signpost	
纳米生物技术——概念、应用和前景	苏志国	化学工业出版社	
生化分离介质的制备与应用	马光辉	化学工业出版社	

### SCI收录论文

A Novel Configuration of Microbial Fuel Cell Stack Bridged Internally Through an Extra Cation Exchange Membrane	苏志国	Biotechnol. Lett	30(6) 1017-1023
An Alkali-stable Laccase from Rhus chinensis Mill and the Enzymatic Modification of Alkali Lignin	陈洪章	Bioresource Technology	99(13) 5480-5484
An economical device for carbon supplement in large-scale micro-algae production	丛威	Bioprocess and Biosystems Engineering	31(6) 641-645
An Effective Way To Hydrophilize Gigaporous Polystyrene Microspheres as Rapid Chromatographic Separation Media for Proteins	马光辉	Langmuir	24、23、13646-13652
Analysis of glycyrrhetic acid and liquiritin in liquorice root with microwave-assisted micellar extraction and pre-concentration.	刘会洲	Phytochemical Analysis	19、2、160-163
Application of non-ionic surfactant in the microwave-assisted extraction of alkaloids from Rhizoma Coptidis	刘会洲	Analytica Chimica Acta	612、2、160-164
Application of Response Surface Methodology to Optimize the Operation Process for Acid and Base Regeneration Using Bipolar Membrane Electrodialysis	丛威	Journal of Chemical Technology and Biotechnology	83、1、40,166
Asymmetric Aldol Addition by Oligopeptide Immobilized on Magnetic Particles through an Ionic Liquids Spacer.	刘会洲	Industrial & Engineering Chemistry Research	47、23、9628-9635
Biodegradation of carbazole in oil/water biphasic system by a newly isolated bacterium Klebsiella sp LSSE-H2	刘会洲	Biochemical Engineering Journal	41、2、166-170
Bioprocess of uniform-sized crosslinked chitosan microspheres in rats following oral administration	马光辉	European Journal of Pharmaceutics and Biopharmaceutics	69、878-886

Ceramic membrane pretreatment of monosodium glutamate isoelectric supernatant to facilitate (NH4)2SO4 recovery by electrodialysis	丛威	Journal of Chemical Technology and Biotechnology	83、1027-1033
Characterization of $\beta$ -glucosidase from corn stover and its application in simultaneous saccharification and fermentation	陈洪章	Bioresource Technology	99、15、6081-6087
Chemical Modification and Characterization of Gigaporous Polystyrene Microspheres as Rapid Separation of Proteins Base Supports	马光辉	Journal of Polymer Science: Part A: Polymer Chemistry	46、5794-5804
Chemoenzymatic Synthesis of Oleic Acid-Based Polyesters for Use as Highly Stable Biomaterials	王平	J. Polymer Science Part A: Polymer Chemistry	46、12、4243-4248
Comparative study of external addition of Fe <sup>2+</sup> and inoculum on bioleaching of marmatite flotation concentrate using mesophilic and moderate thermophilic bacteria	杨超	Hydrometallurgy	93(1-2) 51-56
Comparison of atmospheric aqueous glycerol and steam explosion pretreatments of wheat straw for enhanced enzymatic hydrolysis.	陈洪章	Journal of Chemical Technology and Biotechnology	83、707 - 714
Computational fluid dynamics (CFD) simulation of flow in the rotary drum for pyrite bio-preoxidization	丛威	Chemical Engineering and Processing	47 971-978
Controlling Factors on Droplets Uniformity in Membrane Emulsification: Experiment and Modeling Analysis	马光辉	Industrial & Engineering Chemistry Research	47、6418-6425
Desulfurization and Bio-regeneration of Adsorbents with Magnetic P. delafeldii R-8 Cells	刘会洲	Catal Commun	9、 376-380
Desulfurization and bio-regeneration of adsorbents with magnetic P-delafieldii R-8 cells	刘会洲	Catalysis Communications	9、 3、 376-380
Desulfurization of Fuel by Extraction with Pyridinium-Based Ionic Liquids	刘会洲	Industrial & Engineering Chemistry Research	47、21、8384-8388
Detoxification of steam-exploded corn straw produced by an industrial-scale reactor	陈洪章	Proc. Biochem.	43、12、1447-1451
Different effects of L-arginine on protein refolding: Suppressing aggregates of hydrophobic interaction, not covalent binding	苏志国	Biotechnol. Progr	24 1365-1372
Effects of inoculation strategy and cultivation approach on the performance of microbial fuel cell using marine sediment as bio-matrix	苏志国	J Appl. Microbiol	104(4) 1163-1170
Electricity generation using membrane-less microbial fuel cell during wastewater treatment	李浩然	Chinese Journal of Chemical Engineering	16(5) 772-777
Emulsification	马光辉	J. Colloid. Interf. Sci	323(2) 267-273

Enhanced enzymatic hydrolysis of wheat straw by aqueous glycerol pretreatment.	陈洪章	Bioresource Technology	99 、 6156 - 6161
Enhancement of phenylethanoid glycosides biosynthesis in cell cultures of <i>Cistanche deserticola</i> by osmotic stress	刘春朝	Plant Cell Reports	27 、 257-362
Enzymatic hydrolysis of penicillin for 6-APA production in three-liquid-phase system.	刘会洲	Applied Biochemistry and Biotechnology	144 、 2 、 145-159
Ethanol fermentation in a magnetically fluidized bed reactor with immobilized <i>Saccharomyces cerevisiae</i> in magnetic particles	刘春朝	Bioresource Technology	100 、 878-882
Evaluation of Diether Used in Transesterification	王玉春	Energy & Fuels	22 、 4 、 2707-2712
Fingerprint of tablet of <i>Corydalis tuber</i> for alleviating pain by high-performance liquid chromatography	顾铭	Journal of Liquid Chromatography & Related Technologies	31 、 452-464
Hierarchically supporting for biocatalysts: Assembling nanoscale catalysts in cell-like microcapsules	马光辉	J. Biotechnology	136、S、393
Immobilization of ionic liquid [BMIM][PF <sub>6</sub> ] by spraying suspension dispersion method.	刘会洲	Industrial & Engineering Chemistry Research	47 、 13 、 4414-4417
Immobilization of <i>Pycnoporus sanguineus</i> laccase by metal affinity adsorption on magnetic chelator particles	刘春朝	Journal of Chemical Technology and Biotechnology	83 、 97-104
Improved Al tolerance of saffron ( <i>Crocus sativus L.</i> ) by exogenous polyamines.	王玉春	Acta Physiologiae Plantarum	30 、 121-127
Improvement of biodesulfurization activity of alginate immobilized cells in biphasic systems	刘会洲	Journal of Industrial Microbiology & Biotechnology	35 、 3 、 145-150
Investigation on the Uniformity and Stability of Sunflower Oil/Water Emulsions Prepared by a Shirasu Porous Glass Membrane	马光辉	Industrial & Engineering Chemistry Research	47 、 6412-6417
Lipase immobilization on oleic acid-pluronic (L-64) block copolymer coated magnetic nanoparticles, for hydrolysis at the oil/water interface	刘会洲	Industrial & Engineering Chemistry Research	47、17 、 6379-6385
Membrane fouling caused by amino acid and calcium during bipolar membrane electrodialysis	丛威	Journal of Chemical Technology and Biotechnology	83 、 1551-1557
Microwave-assisted extraction of chlorogenic acid from flower buds of <i>Loniceria japonica Thunb</i>	刘春朝	Separation and Purification Technology	62 、 480-483
Mist reactors: principles, comparison of various systems, case studies	刘春朝	Journal of Integrative Plant Biology	3 、 29-37
Monodisperse Chitosan Microspheres with Interesting Structures for Protein Drug Delivery	马光辉	Advanced Materials	20、2292-2296

Multi-stage premix membrane emulsification for preparation of agarose micro beads with uniform size	马光辉	Journal of Membrane Scienc	322 、 98-104
Near-infrared spectroscopy with a fiber-optic probe for state variables determination in solid-state fermentation.	陈洪章	Proc. Biochem.	43 、 5 、 511-516
One-step purification of 3,4-Dihydroxy phenyllactic acid, Salvianolic acid B and protocatechualdehyde from Salvia miltiorrhiza Bunge by isocratic hydrogen bond adsorption chromatography on cross-linked 12% agarose	顾铭	Journal of Chromatographic Science	46 、 165-168
Organosolv pretreatment by crude glycerol from oleochemicals industry for enzymatic hydrolysis of wheat straw.	陈洪章	Bioresource Technology	99 、 5474 - 5479
Overexpression of a cyanobacterial carbonic anhydrase in Escherichia coli enhances succinic acid production	苏志国	Journal Biotechnology	136S S26-S27
pH-sensitive magnetic ion exchanger for protein separation	刘会洲	Industrial & Engineering Chemistry Research	2008
Plant regeneration of Erigeron breviscapus (vant.) Hand. Mazz. and its HPLC fingerprint analysis for quality control	刘春朝	Plant Cell Reports	27 、 39-45
Porogen effects in synthesis of uniform micrometer-sized poly(divinylbenzene) microspheres with high surface areas	马光辉	Journal of Colloid and Interface Science	323 、 52-59
Prediction of biodegradation rate constants of hydroxylated polychlorinated biphenyls by fungal laccases from Trametes versicolor and Pleurotus ostreatus	张松平	Bull. Environ. Contam. Toxicol.	81(1)1-6
Preparation and Characterization of Gi gaporous DEAE- polystyrene Anion Exchange Resin as High-speed Protein Chromatography Medium	马光辉	Journal of Biotechnology	136 、 S452-S453
Preparation and characterization of monodisperse superparamagnetic poly(vinyl alcohol) beads by reverse spray suspension Crosslinking.	刘会洲	Journal of Polymer Science Part a-Polymer Chemistry	46 、 1 、 203-210
Preparation and characterization of thermo-responsive albumin nanospheres	马光辉	International Journal of Pharmaceutics	346 、 133-142
Preparation of Hierarchical Hollow CaCO <sub>3</sub> Particles and the Application as Anticancer Drug Carrier	马光辉	Journal of the American Chemical Society	130 、 47、 15808-15810
Preparation of magnetic gamma-Al <sub>2</sub> O <sub>3</sub> supported palladium catalyst for hydrogenation of nitrobenzene	刘会洲	AIChE Journal	54 、 9 、 2303-2309
Preparation of Uniformly Sized Agarose Microcapsules by Membrane Emulsification for Application in Sorting Bacteria	马光辉	Industrial & Engineering Chemistry Research	47 、 6386-6390
Preparation of uniform-sized PELA mic			

rospheres with high encapsulation efficiency of antigen by premix membrane emulsification	马光辉	Journal of Colloid and Interface Science	323、267-273
Preparation of uniform-sized pH-sensitive quaternized chitosan microsphere by combining membrane emulsification technique and thermal-gelation method	马光辉	Colloids and Surfaces B: Biointerfaces	63、164-175
Production of mouse interleukin-12 is greater in tobacco hairy roots grown in a mist reactor than in an airlift reactor	刘春朝	Biotechnology & Bioengineering	2008
Quaternized chitosan microspheres as insulin carrier	马光辉	Journal of Biotechnology	136、S1、S452-S453
Rapid estimation of single cell oil content of solid-state fermented mass using near-infrared spectroscopy	陈洪章	Bioresource Technology	99、8869 - 8872
Rapid in situ Transesterification of Sunflower Oil	王玉春	Industrial & Engineering Chemistry Research	48(2) 850-856
Separation of chlorogenic acid from honeysuckle crude extracts by macroporous resins	刘春朝	Journal of Chromatography B	867、253-258
Simultaneous saccharification and fermentation of steam exploded wheat straw pretreated with alkaline peroxide.	陈洪章	Process Biochemistry	43、1462-1466
Single cell oil production by Microshopsis sp. in solid-state fermentation from steam-exploded wheat straw mixed with wheat bran	陈洪章	Bioresource technology	99(9) 3885-3889
Solid state fermentation of an Mycelia Sterilia laccase using steam exploded wheat straw	陈洪章	World Journal of Microbiology & Biotechnology	24(2) 219-224
Spontaneous Vesicle Formation of Poly(ethylene oxide)-Poly(propylene oxide)-Poly(ethylene oxide) Triblock Copolymer	刘会洲	J. Phys. Chem. B	112、15659 - 15665
Strategies for the Design of Hydrophilic Microspheres with Controlled Size and Microstructure	马光辉	Industrial & Engineering Chemistry Research	47、6399-6404
Sulfuric acid and ammonia generation by bipolar membranes electrodialysis	丛威	Chemical and Biochemical Engineering Quarterly	22(1) 1-8
Surface functionalization and characterization of magnetic polystyrene microbeads	刘会洲	Langmuir	24、16、9006-9010
Synthesis and characterization of heterotelechelic poly(ethylene glycol)s with amino acid at one end and hydroxyl group at another end	马光辉	Journal of Applied Polymer Science	110、4、2432-2439
Synthesis and characterization of superparamagnetic poly(urea-formaldehyde) adsorbents and their use for adsorption of flavonoids from Glycyrrhiza uralensis	刘会洲	Adsorption-Journal of the International Adsorption Society	14、1、65-72

alensis Fisch			
Syringin production by Saussurea medusa cell cultures in a novel bioreactor	王玉春	Biologia Plantarum	52、2、377-380
Thermosensitive polymers-conjugated albumin nanospheres as thermal targeting anti-cancer drug carrier	马光辉	European Journal of Pharmaceutical Sciences	35、4、271-282
Uniform One-hole Particles Used as Versatile Micro-encapsulation	马光辉	Chemistry Letters	37、3、366—367
Uniform-sized PLA nanoparticles: Preparation by premix membrane emulsification	马光辉	International Journal of Pharmaceutics	359、294-297
HPLC-MS detection of marker peptides in digested bovine and porcine gelatin.	苏志国	Chinese Journal of Analytical Chemistry	36、11、1499-1502
Identification of Specific Peptides in the Digested Gelatins by High Performance Liquid Chromatography/Mass Spectrometry.	苏志国	Chinese Journal of Analytical Chemistry	36、11、1479-1486
Numerical simulation of the Marangoni effect with interphase mass transfer between two planar liquid layers	杨超	Chinese Journal of Chemical Engineering	2008, 16 (2):161-170
Selection of adsorbents for in-situ coupling technology of adsorptive desulfurization and biodesulfurization	刘会洲	Science in China Series B-Chemistry	51、1、69-77
Synthesis of amino-silane modified magnetic silica adsorbents and application for adsorption of flavonoids from Glycyrrhiza uralensis Fisch.	刘会洲	Science in China Series B-Chemistry	51、2、145-151
Vanadium recovery from clay vanadium mineral using an acid leaching.	李浩然	RARE METALS	27、2、1-5
高效液相色谱/质谱法识别不同明胶酶解产物中特征多肽	苏志国	分析化学	36、11、1479-1486
高效液相色谱质谱法鉴别龟甲胶和鹿角胶	苏志国	光谱学与光谱分析	28、10S、 519-520
红外光谱分析木质素在漆酶酶法改性中的反应性	陈洪章	光谱学与光谱分析	28、7、1501-1505
胶囊药物中明胶动物来源分析方法研究	苏志国	光谱学与光谱分析	28、10S、 523-524
液相色谱-电喷雾离子阱质谱法分析明胶琥珀酰化修饰位点	苏志国	光谱学与光谱分析	28(10) 521-522

### EI 论文

超声波对新疆紫草悬浮培养细胞生长和紫草素合成的影响	王玉春	过程工程学报	8、1、115-119
硫酸盐还原菌对不同碳源的利用率	杨超	中国有色金属学报	2008, 18 (5) : S96-S100.
“T”型微通道装置制备尺寸均一壳聚糖微球的研究	马光辉	过程工程学报	8、1、130-134
Agrobacterium rhizogenes-mediated transformation and regeneration of the Apocynum venetum.	王玉春	Chinese Journal of Biotechnology	24、10、1723-1728.
采用熟化-浸出-萃取法从黄磷电炉电尘浆中提取镓	李浩然	中南大学学报	39(1) 86-90
超声强化溴化1-乙基-3-甲基咪唑从黄花蒿中提取青蒿素	赵兵	过程工程学报	8、4、774-778.

磁性SiO <sub>2</sub> 纳米粒子的制备及其用于漆酶固定化	刘会洲	过程工程学报	8 、 3 、 583-588
干扰素 $\alpha$ -2b的聚乙二醇修饰	苏志国	生物工程学报	22(2) 150-155
甘油脱氢酶和亮氨酸脱氢酶偶联反应生产1,3-二羟基丙酮和2-氨基丁酸的初步研究	张松平	过程工程学报	8 、 1 、 102-108
两相体系检测聚乙二醇化粒细胞集落刺激因子的修饰度	苏志国	化学通报	71(10) 777-781
硫酸盐还原菌对不同碳源的利用率	杨超	中国有色金属学报	18 96-100
膜乳化法与复乳法结合制备粒径均一的载溶菌酶微球	马光辉	过程工程学报	8、 2 、 327-332
汽爆分梳对秸秆中二氧化硅的分布及其结构的影响	陈洪章	农业工程学报	133、 24、 190-194
汽爆葛根直接固态发酵乙醇联产葛根黄酮	陈洪章	生物工程学报	24(6) 957-961
生物基产品制备关键过程及其生态产业链集成的研究进展——生物基产品过程工程的提出.	陈洪章	过程工程学报	8 、 4 、 676-681
无介质微生物燃料电池性能研究	李浩然	高校化学工程学报	22、 4 、 672-678
雪莲资源可持续利用生物技术研究进展	刘春朝	天然产物研究与开发	20 、 190-194
沼气发酵过程研究进展	刘春朝	过程工程学报	18 、 607-615

上一个： 2007年论文专著

下一个： 2009年论文专著

【关闭窗口】

地址：北京市海淀区中关村北二条1号(100190) 信箱：北京353信箱 电话：86-10-62561813 FAX：86-10-62561813 Email：nklbe@home.ipe.ac.cn

版权所有：生化工程国家重点实验室