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Medicinal Plant Biotechnology: From Basic Research to Industrial Applications —书的章节, Biological production of artemisinin for Malaria Therapy, 2007, pp: 529-542	刘春朝	Wiley-VCH, Weinheim	
Natural products: Essential resource of human survival. World Scientific Press. ISBN-13 978-981-270 -498-6 —书的章节, 101-108	苏志国	World Scientific Press.	
Protocols for Micropropagation of Woody Trees and Fruits—书的章节, Romero R, Murch SJ, Saxena PK, Micropropagation of Calabash tree Crescentia cujete L, 2007, pp: 427-436	刘春朝	Springer-Verlag Publication	
纳米生物技术概念、应用和前景(译著)	苏志国	化学工业出版社	
生物催化转化的新领域—纳米生物催化体系, 章节(171—177页)	王平	工业生物技术发展报告	
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### SCI收录

1H NMR Spectroscopic Investigations on the Micellization and Gelation of PE O-PPO-PEO Block Copolymers in Aqueous Solutions	刘会洲	Langmuir	23, 19, 9596-9605
A highly efficient hydrophobic interaction chromatographic absorbent improved the purification of Hepatitis B Surface Antigen (HBsAg) derived from Hansenula polymorpha cell	苏志国	Process Biochemistry	42, 751-756
A highly efficient integrating chromatographic procedure for the purification of recombinant hepatitis B surface antigen from Hansenula polymorpha	苏志国	Protein Expression and Purification	56, 301-310
A newly proposed mechanism for arginine-assisted protein refolding – not inhibiting soluble oligomers although promoting a correct structure.	苏志国	Protein Express. and Purif.	51, 235-242
A Novel Process to Prepare Magnetic Polymer Microspheres	马光辉	Chemistry Letters	36, 8, 1062–1063
A Novel Stepwise Recovery Strategy of Cellulase Adsorbed to the Residual Substrate after Hydrolysis of Steam Exploded Wheat Straw	陈洪章	Applied Biochemistry and Biotechnology	143, 1, 93-100

A state of art review on microbial fuel cells: A promising technology for wastewater treatment and bioenergy	杜竹玮	Biotechnologh advances	25, 464-482
A Thermosensitive Hydrogel Based on Quaternized Chitosan and Poly(ethylene glycol) for Nasal Drug Delivery Systems	马光辉	Biomaterials	28, 2220-2232
Aggregation and clouding behavior of aqueous solution of EO - PO block copolymer in presence of n-alkanols	刘会洲	European Polymer Journal	43, 1883 - 1891
An effective method for fast determination of artemisinin in Artemisia annua L by high-performance liquid chromatography with evaporative light scattering detection	刘春朝	Analytica Chimica Acta	581, 2, 298-302
Biological hydrogen production from steam-exploded straw by simultaneous saccharification and fermentation	陈洪章	International Journal of Hydrogen Energy	32, 12, 1742-1748
Bio-Regeneration of Desulfurization Adsorbents by Selected <i>P. delafeldii</i> R-8 Strains	刘会洲	Separation Science and Technology	42, 14, 3351 - 3362
Biosynthetic Technology with Sustainable Coenzyme Regeneration	王平	Biotechnology Advances	24, 369-384
Characterization of the large size aggregation of Hepatitis B virus surface antigen (HBsAg) formed in ultrafiltration process	苏志国	Process Biochem	42 315-319
Cloud point extraction of glycyrrhizic acid from licorice root.	刘会洲	Separation Science and Technology	42,3259-3270.
Cofactor regeneration for sustainable enzymatic biosynthesis	王平	Biotechnol. Adv.	25(4) 369-384
Comparison of bioactivities of monoglycylated rhG-CSF with branched and linear mPEG	马光辉	Process Biochemistry	42, 1625-1631
Degradation and decolorization of monosodium glutamate wastewater with <i>C. oriolus versicolor</i>	丛威	Biodegradation	18(5) 551-557
Determination of Modification Degree of Succinylated Gelatin by Size Exclusion Chromatography Coupled with Multi Angle Laser Light Scattering	苏志国	Chinese Journal of Analytical Chemistry	35, 1, 43-48
Digitized chromatographic fingerprint spectrum of water-soluble components of <i>Salvia miltiorrhiza</i> Bunge by high-speed counter-current chromatography	顾铭	Journal of Liquid Chromatography & Related Technologies	30, 2789-2800
Dissipative particle dynamics simulation of gold nanoparticles stabilization by PEO-PPO-PEO block copolymer micelles	刘会洲	Colloid and Polymer Scienc	285, 1543-1552
Echinacea biotechnology: challenges and opportunities (Invited Review)	刘春朝	In Vitro Cell. Dev. Pl.	481-492
Effect of fluid shear and particles collision on the oxidation of ferrous iron by <i>Acidithiobacillus ferrooxidans</i>	丛威	Minerals Engineering	20, 13, 1227-1231
Effect of Ionic Liquids on the Aggregat			

ion Behavior of PEO-PPO-PEO Block Copolymers in Aqueous Solution	刘会洲	J. Phys. Chem. B	111, 1327-1333
Effects of bio- and abio- factors on electricity production in a mediatorless microbial fuel cell	杜竹玮	Biochemical Engineering Journal	36, 209-214
Elicitors enhanced syringin production in suspension of Saussurea medusa.	赵兵	World Journal of Microbiology and Biotechnology	23, 7, 965-970
Enhancement of Biodesulfurization in Two-Liquid Systems by Heterogeneous Expression of Vitreoscilla Hemoglobin.	刘会洲	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	73, 7, 2394-2397
Enhancing antioxidative capacity of <i>Lepidium meyenii</i> calli by addition of methyl salicylate to culture medium	赵兵	Acta Physiol Plant.	29, 5, 417-423
Enzymatic Hydrolysis of Penicillin in Mixed Ionic Liquids/Water Two-Phase System	刘会洲	Biotechnol. Prog.	23, 829-835
Evaluation of enzymatic hydrolysis of wheat straw pretreated by atmospheric glycerol autocatalysis.	陈洪章	Journal of Chemical Technology and Biotechnology	82, 1039 - 1044
Experimental study and dissipative particle dynamics simulation of the formation of gold nanoparticles in PEO-PPO-PEO block copolymer micelles	刘会洲	Chemical Engineering Science	62, 5251-5256.
Facile purification of mono-PEGylated interleukin-1 receptor antagonist and its characterization with multi-angle laser light scattering	苏志国	Process Biochemistry	42, 971-977
Ferrous Sulphate Oxidation Using Acidithiobacillus Ferrooxidans Cells Immobilized in Ceramic Beads	丛威	Chemical & Biochemical Engineering	21, 2, 175-179
Fingerprint analysis of <i>Dioscorea nipponica</i> by high-performance liquid chromatography with evaporative light scattering detection	刘春朝	Analytica Chimica Acta	582, 1, 61-68
Fractionation of fibrous fraction from steam-exploded rice straw	陈洪章	Process Biochemistry	42, 188-192
High-Efficiency Desulfurization by Adsorption with Mesoporous Aluminosilicates,	刘会洲	AIChE Journal	53, 12, 3263-3268
Hydrodynamics in an expanded bed of large size ion-exchange resin, and natural product adsorption	苏志国	J Chem Technol Biotechnol	82 135-142
Identification of an oxidative refolding intermediate of recombinant consensus interferon from inclusion bodies and design of a two-stage strategy to promote correct disulfide bond formation.	苏志国	Biotechnology and Applied Biochemistry	48, 189-198
Improvement of echinacoside and acteoside production by two-stage elicitation in cell suspension culture of <i>Cistanches deserticola</i>	赵兵	World J Microbiol Biotechnol	23, 10, 1451-1458
Improving energy accumulation of microorganisms by adding glucose to <i>Leptothrix</i> culture medium			

obial fuel cells by metabolism regulation using Rhodoferas ferrireducens as biocatalyst	李浩然	Letters in Applied Microbiology	44, 393-398
In vitro propagation of an endangered medicinal plant Saussurea involucrata Kar. et Kir.	刘春朝	Plant Cell Reports	26, 3, 261-265
Interaction of Urea with Pluronic Block Copolymers by 1H NMR Spectroscopy	刘会洲	J. Phys. Chem. B	111, 5155-5161
Investigation on PEGylation strategy of recombinant human interleukin-1 receptor antagonist	苏志国	Bioorganic & Medicinal Chemistry Letters	15, 5396-5405
Lanthanum relieves salinity-induced oxidative stress in Saussurea involucrata.	赵兵	Biologia Plantarum	51, 3, 567-570
Light-enhanced caffeic acid derivatives biosynthesis in hairy root cultures of Echinacea purpurea	刘春朝	Plant Cell Reports	26, 8, 1367-1372
Maca: An Andean crop with multi-pharmacological functions	王玉春	Food Research International	40, 7, 783-792
Medium optimization of Rhodococcus erythropolis LSSE8-1 by Taguchi methodology for petroleum biodesulfurization.	刘会洲	Korean Journal of Chemical Engineering	24, 5, 781-786
Micellization in aqueous solution of an ethylene oxide - propylene oxide triblock copolymer, investigated with 1H NMR spectroscopy, pulsed-field gradient NMR, and NMR relaxation	刘会洲	Journal of Colloid and Interface Science	312, 390 - 396
Microbial oil accumulation and cellulase secretion of the endophytic fungi from oleaginous plants.	陈洪章	Annals of Microbiology.	57, 237-242
Microwave-assisted extraction of scutellarin from Erigeron breviscapus Hand-Mazz and its analysis by high-performance liquid chromatography	刘春朝	Analytica Chimica Acta	591, 2, 161-166
Native PAGE eliminates the problem of PEG-SDS interaction in SDS-PAGE and provides an alternative to HPLC in characterization of protein PEGylation	苏志国	Electrophoresis	28, 16, 2801-2807
Near-Infrared analysis of the chemical composition of rice Straw	陈洪章	Industrial Crop and Products	26, 2, 207-211
Novel bioconversion of wheat straw to bio-organic fertilizer in a solid-state bioreactor.	陈洪章	Bioprocess and Biosystems Engineering	30, 99 - 105
Oil-Induced Aggregation of Block Copolymer in Aqueous Solution	刘会洲	Journal of Physical Chemistry B	111, 38, 11140-11148
One-step separation and purification of 3,4-dihydroxyphenyllactic acid, salvinolic acid B and protocatechualdehyde from Salvia miltiorrhiza Bunge by high-speed counter-current chromatography	顾铭	Journal of Chromatography A	1140, 107-111

Phenomena and Mechanism for Separation and Recovery of Penicillin in Ionic Liquids Aqueous Solution	刘会洲	Ind. Eng. Chem. Res.	46 6303-6312
Physicochemical Features of Ionic Liquid Solutions in the Phase Separation of Penicillin(II): Winsor II Reversed Micelle,	刘会洲	Ind. Eng. Chem. Res.	46, 2112-2116
Plant regeneration of an endangered medicinal plant <i>Hydrastis canadensis L</i>	刘春朝	Scientia Horticulturae	113, 1, 82-86
Polyethylene glycol improves conjugation of bovine hemoglobin and human serum albumin in a controlled ratio.	苏志国	Art. Cells, Blood Subs. and Biotech.	35, 5, 568 - 584
Preparation and application of magnetic microsphere carriers	刘会洲	Chem Eng.China	1, 1, 96-101
Preparation and Application of Novel Microspheres Possessing Autofluorescent Properties	马光辉	Adv. Funct. Mater	17(16) 3153-3158
Preparation and Characterization of Large Porous Poly(HEMA-co-EDMA) Microspheres with Narrow Size Distribution by Modified Membrane Emulsification Method	马光辉	Journal of Applied Polymer Science	105, 1632-1641
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	203-210
Preparation and characterization of the thermo-responsive albumin nanospheres	马光辉	International Journal of Pharmaceutics	346, 133-142
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Preparation of uniform-sized agarose beads by microporous membrane emulsification technique	马光辉	Journal of Colloid and Interface Science	311, 118-127
Preparative purification of polyethylene glycol derivatives with polystyrene-divinylbenzene beads as chromatographic packing	苏志国	Bioorganic & Medicinal Chemistry Letters	17, 5605 - 5609
Probing Paeonol-Pluronic Polymer Interactions by 1H NMR, Spectroscopy	刘会洲	Journal of Physical Chemistry B	111, 47, 13371 - 13378.
Recovery of glutamic acid from isolectric supernatant using electrodialysis	丛威	Separation and purification Technology	55, 3, 274-280
Reduction of hyperhydricity in the culture of <i>Lepidium meyenii</i> shoots by the addition of rare earth elements	赵兵	Plant Growth Regulation	52, 2, 151-159
Regulation of cell growth and flavonoids biosynthesis in callus cultures of <i>Saussurea medusa</i> by different light spectral qualities	刘春朝	Plant Growth Regulation	52, 3, 259-263
Reversible immobilization of glucoamylase by metal affinity adsorption on magnetic chelator particles	刘会洲	Journal of Molecular Catalysis B	48, 1 - 7

Salt induced micellization of very hydrophilic PEO - PPO - PEO block copolymer s in aqueous solutions	刘会洲	European Polymer Journal	43, 1699 - 1708
Salt-Induced Micellization of a Triblock Copolymer in Aqueous Solution: A <sup>1</sup> H Nuclear Magnetic Resonance Spectroscopy Study	刘会洲	Langmuir	23, 3075-3083
Saxena PK. Plant regeneration of an endangered medicinal plant Hydrastis canadensis L	刘会洲	Sci. Hortic.	113 82-86
Separation of glycyrrhizic acid and liquiritin from Glycyrrhiza uralensis Fisch extract by three-liquid-phase extraction systems	刘会洲	Separation and Purification Technology	53, 216 - 223.
Separation of scutellarin from crude extracts of Erigeron breviscapus (vant.) Hand. Mazz. by macroporous resins, , 2007, 858:	刘春朝	Journal of Chromatography B	858, 1-2, 22-26
Simulation of Barium Sulfate precipitation using CFD and FM-PDF model in a continuous stirred tank	杨超	Chemical Engineering & Technology	30 (12) : 1642-1649
Study on microbial protein and the mechanism of solid-state fermentation with periodical dynamic changes of air	陈洪章	Front. Chem. Eng. China	1(2) 113-117
Surface modification of $\gamma$ -Al <sub>2</sub> O <sub>3</sub> nanoparticles with gum arabic and its applications in adsorption and biodesulfurization	刘会洲	Surface & Coatings Technology	201, 6917-6921
Synergic treatment for monosodium glutamate wastewater by <i>Saccharomyces cerevisiae</i> and <i>Coriolus versicolor</i>	丛威	Bioresource Technology	98, 4, 967-970
Synergism between Corn Stover Protein and Cellulase	陈洪章	Enzyme Microbial Technology	41, 638-645
Synthesis of Macroporous Poly(Glycidyl methacrylate) Microspheres by Surfactant Reverse Micelles Swelling Method	马光辉	European Polymer Journal	43, 10, 4493-4502
Synthesis of Macroporous Poly(styrene-divinyl benzene) Microspheres by Surfactant Reverse Micelles Swelling Method	马光辉	Polymer	48, 1981-1988
Synthesis of Monomethoxy Poly(ethylene glycol) without Diol Poly(ethylene glycol)	马光辉	Journal of Applied Polymer Science	105, 3780 - 3786
Temperature cycling to improve the ethanol production with solid state simultaneous saccharification and fermentation	陈洪章	Applied Biochemistry and Microbiology	43(1) 57-60
Temperature-Dependent Aggregation and Disaggregation of Poly(ethylene oxide)-Poly(propylene oxide)-Poly(ethylene oxide) Block Copolymer in Aqueous Solution	刘会洲	Journal of Physical Chemistry B	111, 13217-13220
Temperature-Responsive Magnetite/PE			

O-PPO-PEO Block Copolymer Nanoparticles for Controlled Drug Targeting Delivery	刘会洲	Langmuir	23, 12669-12676.
The role of pH and its control on effective conjugation of Bovine hemoglobin and Human serum albumin.	苏志国	Process Biochemistry	42, 3, 303-309
Ultra-deep Removal of Sulfur Compounds with Mesoporous Adsorbents	刘会洲	AIChE Journal	53, 12, 3263-3268
Unpolluted fractionation of wheat straw by steam explosion and ethanol extraction	陈洪章	Bioresource Technology	98, 3, 666-676
秸秆发酵燃料酒精关键问题及其进展	陈洪章	化学进展	19,(7/8),1116-1121
秸秆资源循环经济利用模式——纸浆与肥料联产的清洁生产技术体系	张小勇	化学进展	19, 7、8, 1177-1184
轻工业纤维素生物质过程残渣能源化技术	刘春朝	化学进展	19, 7-8, 1164-1176
吸附-微生物脱硫原位耦合工艺的吸附剂选择	刘会洲	中国科学, B辑	37, 5, 506-513
玉米秸秆组分近红外漫反射光谱(NIRS)测定方法的建立	陈洪章	光谱学与光谱分析	27,2,275-278
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Rhodoferax ferrireducens微生物燃料电池中钒化合物的催化性能	李浩然	过程工程学报	7, 3, 589-593
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藏红花胚性愈伤组织的发生及其调控	赵兵	过程工程学报	7,1,133-136
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