

## A List of Citations on Prof. (Neal) T. S. Chung's Papers in Year 2007 (up to Dec 31, 2007)

1. Title: **Swelling and mechanical behavior of charged poly(N-isopropylmethacrylamide) and poly(N-isopropylacrylamide) networks in water/ethanol mixtures. Cononsolvency effect**

Author(s): [Alenichev I](#) (Alenichev, Igor), [Sedlakova Z](#) (Sedlakova, Zdenka), [Ilavsky M](#) (Ilavsky, Michal)

Source: POLYMER BULLETIN 58 (1): 191-199 JAN 2007

ZHANG XZ

[Effect of mixed solvents on characteristics of poly\(N-isopropylacrylamide\) gels](#)

LANGMUIR 18 : 2538 2002

2. Title: **Temperature- and solvent-sensitive hydrogels based on N-isopropylacrylamide and N,N-dimethylacrylamide**

Author(s): [Pagonis K](#) (Pagonis, K.), [Bokias G](#) (Bokias, G.)

Source: POLYMER BULLETIN 58 (1): 289-294 JAN 2007

ZHANG XZ

[Effect of mixed solvents on characteristics of poly\(N-isopropylacrylamide\) gels](#)

LANGMUIR 18 : 2538 2002

3. Title: **Impact of H<sup>+</sup> ion beam irradiation on Matrimid (R). II. Evolution in gas transport properties**

Author(s): [Hu L](#) (Hu, Ling), [Xu XL](#) (Xu, Xinglong), [Coleman MR](#) (Coleman, Maria R.)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 103 (3): 1670-1680 FEB 5 2007

LIU Y

[Chemical cross-linking modification of polyimide membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 189 : 231 2001

4. Title: **Synthesis of hexafluoroisopropylidene isophthalic polyesters and copolyesters and the relationship between their structure and gas transport properties**

Author(s): [Loria-Bastarrachea MI](#) (Loria-Bastarrachea, Maria I.), [Aguilar-Vega M](#) (Aguilar-Vega, Manuel)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 103 (4): 2207-2216 FEB 15 2007

LIN WH

[Gas transport properties of 6FDA-durene/1,4-phenylenediamine \(pPDA\) copolyimides](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 2703 2000

5. Title: **Copolymerization and blending of poly(phthalazinone ether ketone)s to improve their melt processability**

Author(s): [Xia JQ](#) (Xia, Jiqiang), [Zhang J](#) (Zhang, Jun), [Liao GX](#) (Liao, Gongxiong), [Jian XG](#) (Jian, Xigao)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 103 (4): 2575-2580 FEB 15 2007

CHUNG TS

[HIGH-MODULUS POLYARAMIDE AND POLYBENZIMIDAZOLE BLEND FIBERS](#)

POLYMER ENGINEERING AND SCIENCE 31 : 1520 1991

6. Title: **A biodegradable poly(ester amine) based on polycaprolactone and polyethylenimine as a gene carrier**

Author(s): [Arote R](#) (Arote, Rohidas), [Kim TH](#) (Kim, Tae-Hee), [Kim YK](#) (Kim, You-Kyoung), [Hwang SK](#)

(Hwang, Soon-Kyung), [Jiang HL](#) (Jiang, Hu-Lin), [Song HH](#) (Song, Ho-Hyun), [Nah JW](#) (Nah, Jae-Woon),

[Cho MH](#) (Cho, Myung-Haing), [Cho CS](#) (Cho, Chong-Su)

Source: BIOMATERIALS 28 (4): 735-744 FEB 2007

LIU Y

[Novel poly\(amino ester\)s obtained from Michael addition polymerizations of trifunctional amine monomers with diacrylates: safe and efficient DNA carriers](#)

CHEMICAL COMMUNICATIONS : 2630 2003

7. Title: **Photoresist etching using Ar/O-2 and He/O-2 atmospheric pressure plasma**

Author(s): [Jung MH](#) (Jung, Mi-Hee), [Choi HS](#) (Choi, Ho-Suk)  
Source: THIN SOLID FILMS 515 (4): 2295-2302 DEC 5 2006  
MA KX

[Investigation of surface energy for organic light emitting polymers and indium tin oxide](#)  
THIN SOLID FILMS 371 : 140 2000

8. Title: **Permeability and electrokinetic characterization of poly(ethylene terephthalate) capillary pore membranes with grafted temperature-responsive polymers**

Author(s): [Geismann C](#) (Geismann, Christian), [Yaroshchuk A](#) (Yaroshchuk, Andriy), [Ulbricht M](#) (Ulbricht, Mathias)

Source: LANGMUIR 23 (1): 76-83 JAN 2 2007  
ZHANG XZ

[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)  
LANGMUIR 17 : 6094 2001

9-10. Title: **Poly(lactic-co-glycolic acid) hollow fibre membranes for use as a tissue engineering scaffold**

Author(s): [Ellis MJ](#) (Ellis, Marianne J.), [Chaudhuri JB](#) (Chaudhuri, Julian B.)

Source: BIOTECHNOLOGY AND BIOENGINEERING 96 (1): 177-187 JAN 1 2007

CHUNG TS

[Effect of air-gap distance on the morphology and thermal properties of polyethersulfone hollow fibers](#)

JOURNAL OF APPLIED POLYMER SCIENCE 66 : 1067 1997

LI DF

[Thickness dependence of macrovoid evolution in wet phase-inversion asymmetric membranes](#)  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 43 : 1553 2004

11-15. Title: **Cross-linkable polyimide membrane for natural gas purification and carbon dioxide plasticization reduction**

Author(s): [Hillock AMW](#) (Hillock, Alexis M. W.), [Koros WJ](#) (Koros, William J.)

Source: MACROMOLECULES 40 (3): 583-587 FEB 6 2007

CAO C

[Chemical cross-linking modification of 6FDA-2,6-DAT hollow fiber membranes for natural gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 216 : 257 2003

LIU Y

[Chemical cross-linking modification of polyimide/poly\(ether sulfone\) dual-layer hollow-fiber membranes for gas separation](#)

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 42 : 1190 2003

LIU Y

[Chemical cross-linking modification of polyimide membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 189 : 231 2001

TIN PS

[Effects of cross-linking modification on gas separation performance of Matrimid membranes](#)

JOURNAL OF MEMBRANE SCIENCE 225 : 77 2003

REN JH

[The effects of chemical modifications on morphology and performance of 6FDA-ODA/NDA hollow fiber membranes for CO<sub>2</sub>/CH<sub>4</sub> separation](#)

JOURNAL OF MEMBRANE SCIENCE 222 : 133 2003

16-18. Title: **PAMAM dendrimer composite membrane for CO<sub>2</sub> separation: Formation of a chitosan gutter layer**

Author(s): [Kouketsu T](#) (Kouketsu, Takayuki), [Duan S](#) (Duan, Shuhong), [Kai T](#) (Kai, Teruhiko), [Kazama S](#) (Kazama, Shingo), [Yamada K](#) (Yamada, Koichi)

Source: JOURNAL OF MEMBRANE SCIENCE 287 (1): 51-59 JAN 5 2007

CHUNG TS

[Fabrication of multi-layer composite hollow fiber membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 152 : 211 1999

SHIEH JJ

[Cellulose nitrate-based multilayer composite membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 166 : 259 2000

SHIEH JJ

[Study on multi-layer composite hollow fiber membranes for gas separation](#)

CHEMICAL ENGINEERING SCIENCE 54 : 675 1999

19. Title: **Controlled delivery of peptides and proteins**

Author(s): [Degim IT](#) (Degim, I. Tuncer), [Celebi N](#) (Celebi, Nevin)

Source: CURRENT PHARMACEUTICAL DESIGN 13 (1): 99-117 2007

CHIA HH

[Auto-catalyzed poly\(ortho ester\) microspheres: a study of their erosion and drug release mechanism](#)

JOURNAL OF CONTROLLED RELEASE 75 : 11 2001

20. Title: **Novel bioreducible poly(amido amine)s for highly efficient gene delivery**

Author(s): [Lin C](#) (Lin, Chao), [Zhong ZY](#) (Zhong, Zhiyuan), [Lok MC](#) (Lok, Martin C.), [Jiang XL](#) (Jiang, Xulin), [Hennink WE](#) (Hennink, Wim E.), [Feijen J](#) (Feijen, Jan), [Engbersen JFJ](#) (Engbersen, Johan F. J.)

Source: BIOCONJUGATE CHEMISTRY 18 (1): 138-145 JAN-FEB 2007

LIU Y

[Novel poly\(amino ester\)s obtained from Michael addition polymerizations of trifunctional amine monomers with diacrylates: safe and efficient DNA carriers](#)

CHEMICAL COMMUNICATIONS : 2630 2003

21. Title: **Phase separation and surface morphology of spin-coated films of polyetherimide/polycaprolactone immiscible polymer blends**

Author(s): [Liu T](#) (Liu, Tong), [Ozisik R](#) (Ozisik, Rahmi), [Siegel RW](#) (Siegel, Richard W.)

Source: THIN SOLID FILMS 515 (5): 2965-2973 JAN 22 2007

CHUNG TS

[Asymmetric hollow fiber membranes prepared from miscible polybenzimidazole and polyetherimide blends](#)

22-23. JOURNAL OF MEMBRANE SCIENCE 147 : 35 1998

Title: **Nonisothermal crystallization behavior of a luminescent conjugated polymer, poly(9,9-dihexylfluorene-alt-2,5-didodecyloxybenzene)**

Author(s): [Yang GZ](#) (Yang, Gui-Zhong), [Chen XL](#) (Chen, Xiaolei), [Xu Y](#) (Xu, Yan), [Li CZ](#) (Li, Chun-Zhong), [Wu PY](#) (Wu, Peiyi), [Liu TX](#) (Liu, Tianxi)

Source: POLYMER INTERNATIONAL 56 (2): 245-251 FEB 2007

LIU SL

[Crystallization and melting behavior of regioregular poly\(3-dodecylthiophene\)](#)

POLYMER 41 : 2781 2000

LIU TX

[Nonisothermal melt and cold crystallization kinetics of poly\(aryl ether ether ketone ketone\)](#)

POLYMER ENGINEERING AND SCIENCE 37 : 568 1997

24. Title: **Synthesis of laddersiloxanes by novel stereocontrolled approach**

Author(s): [Unno M](#) (Unno, Masafumi), [Matsumoto T](#) (Matsumoto, Tomoe), [Matsumoto H](#) (Matsumoto, Hideyuki)

Source: JOURNAL OF ORGANOMETALLIC CHEMISTRY 692 (1-3): 307-312 JAN 1 2007

CHEN WY

[Surface study of ladderlike polyepoxysiloxanes](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 138 2000

25. Title: **The role of microsphere fabrication methods on the stability and release kinetics of ovalbumin encapsulated in polyanhydride microspheres**

Author(s): [Determan AS](#) (Determan, Amy S.), [Graham JR](#) (Graham, Jennifer R.), [Pfeiffer KA](#) (Pfeiffer, Katherine A.), [Narasimhan B](#) (Narasimhan, Balaji)

Source: JOURNAL OF MICROENCAPSULATION 23 (8): 832-843 DEC 2006

YANG YY

[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

BIOMATERIALS 22 : 231 2001

26. Title: **Polyimides 7: Synthesis, characterization, and properties of novel soluble semifluorinated poly(ether imide)s**

Author(s): [Kute V](#) (Kute, Vijay), [Banerjee S](#) (Banerjee, Susanta)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 103 (5): 3025-3044 MAR 5 2007

VORA RH

[Synthesis and properties of fluoro-polyetherimides](#)

POLYMER ENGINEERING AND SCIENCE 40 : 1318 2000

27. Title: **Evaluation of ibuprofen-loaded microspheres prepared from novel copolyesters**

Author(s): [Thompson CJ](#) (Thompson, C. J.), [Hansford D](#) (Hansford, D.), [Higgins S](#) (Higgins, S.), [Rostron C](#) (Rostron, C.), [Hutcheon GA](#) (Hutcheon, G. A.), [Munday DL](#) (Munday, D. L.)

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS 329 (1-2): 53-61 FEB 1 2007

YANG YY

[Effect of preparation temperature on the characteristics and release profiles of PLGA microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

JOURNAL OF CONTROLLED RELEASE 69 : 81 2000

28. Title: **Reverse micelle-based microencapsulation of oxytetracycline hydrochloride into poly-d,l-lactide-co-glycolide microspheres**

Author(s): [Kim H](#) (Kim, Hyunjoon), [Lee BJ](#) (Lee, Beom-Jin), [Sah H](#) (Sah, Hongkee)

Source: DRUG DELIVERY 14 (2): 95-99 FEB 2007

YANG YY

[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

BIOMATERIALS 22 : 231 2001

29. Title: **Effect of viscosity ratio of the components of thermoplastic and liquid-crystalline polymer blends on the properties**

Author(s): [Fekete E](#) (Fekete, Erika), [Foldes E](#) (Foldes, Eniko), [Lengyel Z](#) (Lengyel, Zoltan)

Source: COMPOSITE INTERFACES 13 (8-9): 737-755 2006

WANG HM

[Rheology, morphology and properties of LCP/Nylon 66 composite fibers](#)

POLYMER COMPOSITES 21 : 114 2000

30-31. Title: **Microbial degradation of phenol in high-salinity solutions in suspensions and hollow fiber membrane contactors**

Author(s): [Juang RS](#) (Juang, Ruey-Shin), [Wu CY](#) (Wu, Cheng-Ying)

Source: CHEMOSPHERE 66 (1): 191-198 JAN 2007

- LOH KC  
[Immobilized-cell membrane bioreactor for high-strength phenol wastewater](#)  
JOURNAL OF ENVIRONMENTAL ENGINEERING-ASCE 126 : 75 2000
- ZHU GH  
[Activated carbon-filled cellulose acetate hollow-fiber membrane for cell immobilization and phenol degradation](#)  
JOURNAL OF APPLIED POLYMER SCIENCE 76 : 695 2000
32. Title: **Permeability of C-60 films deposited on polycarbonatesyloxane to N-2, O-2, CH4, and He gases**  
Author(s): [Karachevtsev VA](#) (Karachevtsev, V. A.), [Plokhotnichenko AM](#) (Plokhotnichenko, A. M.), [Pashynska VA](#) (Pashynska, V. A.), [Glamazda AY](#) (Glamazda, A. Yu.), [Vovk OM](#) (Vovk, O. M.), [Rao AM](#) (Rao, A. M.)  
Source: APPLIED SURFACE SCIENCE 253 (6): 3062-3065 JAN 15 2007  
CHUNG TS  
[Characterization of permeability and sorption in Matrimid/C-60 mixed matrix membranes](#)  
JOURNAL OF MEMBRANE SCIENCE 211 : 91 2003
33. Title: **Photoinduced amphiphilic property of InNbO4 thin film**  
Author(s): [Kako T](#) (Kako, Tetsuya), [Ye J](#) (Ye, Jinhua)  
Source: LANGMUIR 23 (4): 1924-1927 FEB 13 2007  
CHEN WY  
[Surface study of ladderlike polyepoxysiloxanes](#)  
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 138 2000
34. Title: **Modeling of the separation of propene/propane mixtures by permeation through membranes in a polymerization system**  
Author(s): [Castoldi MT](#) (Castoldi, Marcelo T.), [Pinto JC](#) (Pinto, Jose C.), [Melo PA](#) (Melo, Priamo A.)  
Source: INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 46 (4): 1259-1269 FEB 14 2007  
CHAN SS  
[C-2 and C-3 hydrocarbon separations in poly\(1,5-naphthalene-2,2 '-bis\(3,4-phthalic\) hexafluoropropane\) diimide \(6FDA-1,5-NDA\) dense membranes](#)  
JOURNAL OF MEMBRANE SCIENCE 210 : 55 2002
35. Title: **Synthesis and gas transport property of polyimide from 2,2 '-disubstituted biphenyltetracarboxylic dianhydrides (BPDA)**  
Author(s): [Qiu ZM](#) (Qiu, Zhiming), [Chen G](#) (Chen, Guang), [Zhang QY](#) (Zhang, Quanyuan), [Zhang SB](#) (Zhang, Suobo)  
Source: EUROPEAN POLYMER JOURNAL 43 (1): 194-204 JAN 2007  
LIN WH  
[Gas transport properties of 6FDA-durene/1,4-phenylenediamine \(pPDA\) copolyimides](#)  
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 2703 2000
36. Title: **Transport of small molecules through polyphenylene oxide membranes modified by fullerene**  
Author(s): [Polotskaya GA](#) (Polotskaya, G. A.), [Penkova AV](#) (Penkova, A. V.), [Toikka AM](#) (Toikka, A. M.), [Pientka Z](#) (Pientka, Z.), [Brozova L](#) (Brozova, L.), [Bleha M](#) (Bleha, M.)  
Source: SEPARATION SCIENCE AND TECHNOLOGY 42 (2): 333-347 2007  
CHUNG TS  
[Characterization of permeability and sorption in Matrimid/C-60 mixed matrix membranes](#)  
JOURNAL OF MEMBRANE SCIENCE 211 : 91 2003
37. Title: **Formulation and characterization of lipase loaded poly(D,L-lactide-co-glycolide) nanoparticles**  
Author(s): [Kim BS](#) (Kim, Beom Su), [Zeroual Y](#) (Zeroual, Y.), [Lee KM](#) (Lee, Kang Min)  
Source: POLYMER-KOREA 31 (1): 20-24 JAN 2007

YANG YY

[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

BIOMATERIALS 22 : 231 2001

38-39. Title: **Poly(N-isopropylacrylamide) nanocrosslinked by polyhedral oligomeric silsesquioxane: Temperature-responsive behavior of hydrogels**

Author(s): [Mu JF](#) (Mu, Jiangfeng), [Zheng SX](#) (Zheng, Sixun)

Source: JOURNAL OF COLLOID AND INTERFACE SCIENCE 307 (2): 377-385 MAR 15 2007

ZHANG XZ

[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)

LANGMUIR 17 : 6094 2001

ZHANG XZ

[Effect of mixed solvents on characteristics of poly\(N-isopropylacrylamide\) gels](#)

LANGMUIR 18 : 2538 2002

40. Title: **Thermosensitive affinity behavior of poly(N-isopropylacrylamide) hydrogels with beta-cyclodextrin moieties**

Author(s): [Wang HD](#) (Wang, Hai-Dong), [Chu LY](#) (Chu, Liang-Yin), [Yu XQ](#) (Yu, Xiao-Qi), [Xie R](#) (Xie, Rui), [Yang M](#) (Yang, Mei), [Xu D](#) (Xu, Dan), [Zhang J](#) (Zhang, Jie), [Hu L](#) (Hu, Lin)

Source: INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 46 (5): 1511-1518 FEB 28 2007

ZHANG XZ

[Effect of mixed solvents on characteristics of poly\(N-isopropylacrylamide\) gels](#)

LANGMUIR 18 : 2538 2002

41. Title: **Incorporation of water-soluble drugs in PLGA microspheres**

Author(s): [Ito F](#) (Ito, Fuminori), [Fujimori H](#) (Fujimori, Hiroyuki), [Makino K](#) (Makino, Kimiko)

Source: COLLOIDS AND SURFACES B-BIOINTERFACES 54 (2): 173-178 FEB 15 2007

YANG YY

[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

BIOMATERIALS 22 : 231 2001

42. Title: **Self-assembling colloidal-scale devices: Selecting and using short-range surface forces between conductive solids**

Author(s): [Cho YK](#) (Cho, Young Kyu), [Wartena R](#) (Wartena, Ryan), [Tobias SM](#) (Tobias, Steven M.), [Chiang YM](#) (Chiang, Yet-Ming)

Source: ADVANCED FUNCTIONAL MATERIALS 17 (3): 379-389 FEB 12 2007

MA KX

[Investigation of surface energy for organic light emitting polymers and indium tin oxide](#)

THIN SOLID FILMS 371 : 140 2000

43. Title: **Synthesis and properties of novel fluorinated poly(phenylene-co-imide)s**

Author(s): [Li WM](#) (Li, Wenmu), [Zhang SB](#) (Zhang, Suobo), [Chen G](#) (Chen, Guang), [Zhang QY](#) (Zhang, Quanyuan)

Source: MACROMOLECULAR CHEMISTRY AND PHYSICS 208 (3): 307-315 FEB 5 2007

LIN WH

[Gas transport properties of 6FDA-durene/1,4-phenylenediamine \(pPDA\) copolyimides](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 2703 2000

44. Title: **Effect of clay on properties of polyimide-clay nanocomposites**

Author(s): [Wang HW](#) (Wang, Hong-Wen), [Dong RX](#) (Dong, Rui-Xuan), [Liu CL](#) (Liu, Ching-Lin), [Chang HY](#) (Chang, Hsin-Yu)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 104 (1): 318-324 APR 5 2007  
VORA RH  
[Synthesis and properties of designed low-k fluoro-copolyetherimides. Part 1](#)  
ADVANCED FUNCTIONAL MATERIALS 11 : 361 2001

45. Title: **The surface energy of various biomaterials coated with adhesion molecules used in cell culture**

Author(s): [Harnett EM](#) (Harnett, Elaine M.), [Alderman J](#) (Alderman, John), [Wood T](#) (Wood, Terri)  
Source: COLLOIDS AND SURFACES B-BIOINTERFACES 55 (1): 90-97 MAR 15 2007  
MA KX  
[Investigation of surface energy for organic light emitting polymers and indium tin oxide](#)  
THIN SOLID FILMS 371 : 140 2000

46. Title: **Catalytic surface modification of roll-milled poly(epsilon-caprolactone) biaxially stretched to ultra-thin dimension**

Author(s): [Foo HL](#) (Foo, H. L.), [Taniguchi A](#) (Taniguchi, A.), [Yu H](#) (Yu, H.), [Okano T](#) (Okano, T.), [Teoh SH](#) (Teoh, S. H.)  
Source: MATERIALS SCIENCE & ENGINEERING C-BIOMIMETIC AND SUPRAMOLECULAR SYSTEMS 27 (2): 299-303 Sp. Iss. SI, MAR 2007  
NG CS  
[Simultaneous biaxial drawing of poly \(epsilon-caprolactone\) films](#)  
POLYMER 41 : 5855 2000

47. Title: **Effect of stiffness of polycaprolactone (PCL) membrane on cell proliferation**

Author(s): [Tan PS](#) (Tan, P. S.), [Teoh SH](#) (Teoh, S. H.)  
Source: MATERIALS SCIENCE & ENGINEERING C-BIOMIMETIC AND SUPRAMOLECULAR SYSTEMS 27 (2): 304-308 Sp. Iss. SI, MAR 2007  
NG CS  
[Simultaneous biaxial drawing of poly \(epsilon-caprolactone\) films](#)  
POLYMER 41 : 5855 2000

48. Title: **Characterization of smooth muscle cells on poly(epsilon-caprolactone) films**

Author(s): [Chong MSK](#) (Chong, M. S. K.), [Lee CN](#) (Lee, C. N.), [Teoh SH](#) (Teoh, S. H.)  
Source: MATERIALS SCIENCE & ENGINEERING C-BIOMIMETIC AND SUPRAMOLECULAR SYSTEMS 27 (2): 309-312 Sp. Iss. SI, MAR 2007  
NG CS  
[Simultaneous biaxial drawing of poly \(epsilon-caprolactone\) films](#)  
POLYMER 41 : 5855 2000

49. Title: **Nanofibrous modification on ultra-thin poly(epsilon-caprolactone) membrane via electrospinning**

Author(s): [Chen F](#) (Chen, F.), [Lee CN](#) (Lee, C. N.), [Teoh SH](#) (Teoh, S. H.)  
Source: MATERIALS SCIENCE & ENGINEERING C-BIOMIMETIC AND SUPRAMOLECULAR SYSTEMS 27 (2): 325-332 Sp. Iss. SI, MAR 2007  
NG CS  
[Simultaneous biaxial drawing of poly \(epsilon-caprolactone\) films](#)  
POLYMER 41 : 5855 2000

50. Title: **Characterization of surface-modified hollow fiber polyethersulfone membranes prepared at different air gaps**

Author(s): [Khulbe KC](#) (Khulbe, K. C.), [Feng CY](#) (Feng, C. Y.), [Matsuura T](#) (Matsuura, T.), [Mosqueada-Jimenez DC](#) (Mosqueada-Jimenez, D. C.), [Rafat M](#) (Rafat, M.), [Kingston D](#) (Kingston, D.), [Narbaitz RM](#) (Narbaitz, R. M.), [Khayet M](#) (Khayet, M.)  
Source: JOURNAL OF APPLIED POLYMER SCIENCE 104 (2): 710-721 APR 15 2007  
CHUNG TS  
[Effect of shear rate within the spinneret on morphology, separation performance and mechanical](#)

[properties of ultrafiltration polyethersulfone hollow fiber membranes](#)  
CHEMICAL ENGINEERING SCIENCE 55 : 1077 2000

51. Title: **Synthesis and characterization of polyimide-silica nanocomposites using novel fluorine-modified silica nanoparticles**

Author(s): [Mo TC](#) (Mo, Te-Cheng), [Wang HW](#) (Wang, Hong-Wen), [Chen SY](#) (Chen, San-Yan), [Dong RX](#) (Dong, Rui-Xuan), [Kuo CH](#) (Kuo, Chien-Hung), [Yeh YC](#) (Yeh, Yun-Chieh)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 104 (2): 882-890 APR 15 2007

VORA RH

[Synthesis and properties of designed low-k fluoro-copolyetherimides. Part 1](#)

ADVANCED FUNCTIONAL MATERIALS 11 : 361 2001

52. Title: **Preparation of polymer-clay nanocomposites and their properties**

Author(s): [Nguyen QT](#) (Nguyen, Quang T.), [Baird DG](#) (Baird, Donald G.)

Source: ADVANCES IN POLYMER TECHNOLOGY 25 (4): 270-285 WIN 2006

LIU TX

[A processing-induced clay dispersion and its effect on the structure and properties of polyamide 6](#)

POLYMER INTERNATIONAL 53 : 392 2004

53. Title: **Development of hyperbranched polyimides**

Author(s): [Yi CF](#) (Yi Changfeng), [Li QT](#) (Li Quantao), [Xu ZS](#) (Xu Zushun)

Source: PROGRESS IN CHEMISTRY 19 (2-3): 356-361 MAR 2007

LIU Y

[Facile synthesis of hyperbranched polyimides from A\(2\)+BB2 ' monomers](#)

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY 40 : 4563 2002

54. Title: **Synthesis and gas permeability of novel fluorinated poly(phenylene-co-naphthalimide)s**

Author(s): [Qiu ZM](#) (Qiu, Zhiming), [Zhang SB](#) (Zhang, Suobo), [Li WM](#) (Li, Wenmu)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 104 (4): 2395-2402 MAY 15 2007

WANG R

[Gas transport properties of poly\(1,5-naphthalene-2,2 '-bis \(3,4-phthalic\) hexafluoropropane\) diimide \(6FDA-1,5-NDA\) dense membranes](#)

JOURNAL OF MEMBRANE SCIENCE 199 : 191 2002

55. Title: **The correlation between free volume and gas separation properties in high molecular weight poly(methyl methacrylate) membranes**

Author(s): [Fu YJ](#) (Fu, Ywu-Jang), [Hu CC](#) (Hu, Chien-Chieh), [Lee KR](#) (Lee, Kueir-Rarn), [Tsai HA](#) (Tsai, Hui-An), [Ruaan RC](#) (Ruaan, Ruoh-Chyu), [Lai JY](#) (Lai, Juin-Yih)

Source: EUROPEAN POLYMER JOURNAL 43 (3): 959-967 MAR 2007

WANG R

[Gas transport properties of poly\(1,5-naphthalene-2,2 '-bis \(3,4-phthalic\) hexafluoropropane\) diimide \(6FDA-1,5-NDA\) dense membranes](#)

JOURNAL OF MEMBRANE SCIENCE 199 : 191 2002

56. Title: **Monitoring interface traps in operating organic light-emitting diodes using impedance spectroscopy**

Author(s): [Pingree LSC](#) (Pingree, L. S. C.), [Russell MT](#) (Russell, M. T.), [Marks TJ](#) (Marks, T. J.), [Hersam MC](#) (Hersam, M. C.)

Source: THIN SOLID FILMS 515 (11): 4783-4787 APR 9 2007

MA KX

[Investigation of surface energy for organic light emitting polymers and indium tin oxide](#)

THIN SOLID FILMS 371 : 140 2000

57. Title: **Dual thermo- and pH-sensitive poly(N-isopropylacrylamide-co-acrylic acid) hydrogels with rapid response behaviors**

Author(s): [Zhang H](#) (Zhang, He), [Chu LY](#) (Chu, Liang-Yin), [Li YK](#) (Li, Yuan-Ke), [Lee YM](#) (Lee, Young Moo)

Source: POLYMER 48 (6): 1718-1728 MAR 8 2007

ZHANG XZ

[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)

LANGMUIR 17 : 6094 2001

**58. Title: Effect of intermolecular hydrogen bonding on low-surface-energy material of poly(vinylphenol)**

Author(s): [Lin HC](#) (Lin, Han-Ching), [Wang CF](#) (Wang, Chih-Feng), [Kuo SW](#) (Kuo, Shiao-Wei), [Tung PH](#) (Tung, Pao-Hsiang), [Huang CF](#) (Huang, Chih-Feng), [Lin CH](#) (Lin, Chun-Hung), [Chang FC](#) (Chang, Feng-Chih)

Source: JOURNAL OF PHYSICAL CHEMISTRY B 111 (13): 3404-3410 APR 7 2007

MA KX

[Effect of -C\(CF<sub>3</sub>\)<sub>2</sub>- on the surface energy of main-chain liquid crystalline and crystalline polymers](#)

JOURNAL OF PHYSICAL CHEMISTRY B 105 : 4145 2001

**59. Title: Freezing as a path to build macroporous structures: Superfast responsive polyacrylamide hydrogels**

Author(s): [Dinu MV](#) (Dinu, M. Valentina), [Ozmen MM](#) (Ozmen, M. Murat), [Dragan ES](#) (Dragan, E. Stela), [Okay O](#) (Okay, Oguz)

Source: POLYMER 48 (1): 195-204 JAN 5 2007

ZHANG XZ

[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)

LANGMUIR 17 : 6094 2001

**60. Title: Strategy to introduce a pendent micellar structure into poly(N-isopropylacrylamide) hydrogels**

Author(s): [Xu XD](#) (Xu, Xiao-Ding), [Zhang XZ](#) (Zhang, Xian-Zheng), [Yang J](#) (Yang, Jie), [Cheng SX](#) (Cheng, Si-Xue), [Zhuo RX](#) (Zhuo, Ren-Xi), [Huang YQ](#) (Huang, Ya-Qun)

Source: LANGMUIR 23 (8): 4231-4236 APR 10 2007

ZHANG XZ

[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)

LANGMUIR 17 : 6094 2001

**61-62. Title: Nonisothermal crystallization and melting behavior of a luminescent conjugated polymer, poly(9,9-dihexylfluorene-alt-co-2,5-didodecyloxy-1,4-phenylene)**

Author(s): [Yang GZ](#) (Yang, Gui-Zhong), [Chen XL](#) (Chen, Xiaolei), [Wang WZ](#) (Wang, Weizhi), [Wang M](#) (Wang, Min), [Liu TX](#) (Liu, Tianxi), [Li CZ](#) (Li, Chun-Zhong)

Source: JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 45 (8): 976-987 APR 15 2007

LIU SL

[Crystallization and melting behavior of regioregular poly\(3-dodecylthiophene\)](#)

POLYMER 41 : 2781 2000

LIU TX

[Transmission electron microscopy observations on lamellar melting of cold-crystallized isotactic polystyrene](#)

MACROMOLECULES 34 : 4305 2001

**63. Title: Linear poly(amido amine)s with secondary and tertiary amino groups and variable amounts of disulfide linkages: Synthesis and in vitro gene transfer properties**

Author(s): [Lin C](#) (Lin, Chao), [Zhong ZY](#) (Zhong, Zhiyuan), [Lok MC](#) (Lok, Martin C.), [Jiang XL](#) (Jiang, Xulin), [Hennink WE](#) (Hennink, Wim E.), [Jan FJ](#) (Jan Feijen), [Engbersen JFJ](#) (Engbersen, Johan F. J.)  
Source: JOURNAL OF CONTROLLED RELEASE 116 (2): 130-137 NOV 28 2006

LIU Y

[Novel poly\(amino ester\)s obtained from Michael addition polymerizations of trifunctional amine monomers with diacrylates: safe and efficient DNA carriers](#)

CHEMICAL COMMUNICATIONS : 2630 2003

64. Title: **Mechanical, thermal and viscoelastic behavior of nylon 6/clay nanocomposites with cotedreated montmorillonites**

Author(s): [Mohanty S](#) (Mohanty, Smita), [Nayak SK](#) (Nayak, Sanjay K.)

Source: POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING 46 (4): 367-376 2007

LIU TX

[A processing-induced clay dispersion and its effect on the structure and properties of polyamide 6](#)

POLYMER INTERNATIONAL 53 : 392 2004

65. Title: **Effect of clay exfoliation and organic modification on morphological, dynamic mechanical, and thermal behavior of melt-compounded polyamide-6 nanocomposites**

Author(s): [Mohanty S](#) (Mohanty, Smita), [Nayak SK](#) (Nayak, Sanjay K.)

Source: POLYMER COMPOSITES 28 (2): 153-162 APR 2007

LIU TX

[A processing-induced clay dispersion and its effect on the structure and properties of polyamide 6](#)

POLYMER INTERNATIONAL 53 : 392 2004

66. Title: **Effects of internal linkage groups of fluorinated diamine on the optical and dielectric properties of polyimide thin films**

Author(s): [Jang W](#) (Jang, Wonbong), [Shin D](#) (Shin, Daeyong), [Choi S](#) (Choi, Seunghyuk), [Park S](#) (Park, Sunggook), [Han H](#) (Han, Haksoo)

Source: POLYMER 48 (7): 2130-2143 MAR 23 2007

QU WL

[Effect of polyimides with different ratios of para- to meta- analogous fluorinated diamines on relaxation process](#)

POLYMER 42 : 6393 2001

67. Title: **Effect of phenol on haematological components of Indian major carps Catla catla, Labeo rohita and Cirrhinus mrigala**

Author(s): [Tilak KS](#) (Tilak, K. S.), [Veeraiah K](#) (Veeraiah, K.), [Butchiram MS](#) (Butchiram, M. S.)

Source: JOURNAL OF ENVIRONMENTAL BIOLOGY 28 (2): 177-179 APR 2007

LOH KC

[Immobilized-cell membrane bioreactor for high-strength phenol wastewater](#)

JOURNAL OF ENVIRONMENTAL ENGINEERING-ASCE 126 : 75 2000

68. Title: **Reducible poly(amido ethylenediamine) for hypoxia-inducible VEGF delivery**

Author(s): [Christensen LV](#) (Christensen, Lane V.), [Chang CW](#) (Chang, Chien-Wen), [Yockman JW](#) (Yockman, James W.), [Conners R](#) (Conners, Rafe), [Jackson H](#) (Jackson, Heidi), [Zhong ZY](#) (Zhong, Zhiyuan), [Jan FJ](#) (Jan Feijen), [Bu DA](#) (Bu, David A.), [Kim SW](#) (Kim, Sung Wan)

Source: JOURNAL OF CONTROLLED RELEASE 118 (2): 254-261 APR 2 2007

LIU Y

[Novel poly\(amino ester\)s obtained from Michael addition polymerizations of trifunctional amine monomers with diacrylates: safe and efficient DNA carriers](#)

CHEMICAL COMMUNICATIONS : 2630 2003

69. Title: **Effect of film thickness on the gas-permeation characteristics of glassy polymer membranes**

Author(s): [Huang Y](#) (Huang, Y.), [Paul DR](#) (Paul, D. R.)

Source: INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 46 (8): 2342-2347 APR 11 2007

CHUNG TS

[The ageing phenomenon of polyethersulphone hollow fibre membranes for gas separation and their characteristics](#)

JOURNAL OF MEMBRANE SCIENCE 152 : 175 1999

70. Title: **Brominated poly(2,6-diphenyl-1,4-phenylene oxide) and its silica nanocomposite membranes for gas separation**

Author(s): [Cong HL](#) (Cong, Hailin), [Hu XD](#) (Hu, Xudong), [Radosz M](#) (Radosz, Maciej), [Shen YQ](#) (Shen, Youqing)

Source: INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 46 (8): 2567-2575 APR 11 2007  
LIN WH

[Gas transport properties of 6FDA-durene/1,4-phenylenediamine \(pPDA\) copolyimides](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 2703 2000

71. Title: **Polyelectrolyte networks as highly sensitive polymers**

Author(s): [Kramarenko EY](#) (Kramarenko, E. Yu.), [Philippova OE](#) (Philippova, O. E.), [Khokhlov AR](#) (Khokhlov, A. R.)

Source: POLYMER SCIENCE SERIES C 48: 1-20 JUL 2006

ZHANG XZ

[Thermosensitive poly\(N-isopropylacrylamide-co-acrylic acid\) hydrogels with expanded network structures and improved oscillating swelling-deswelling properties](#)

LANGMUIR 18 : 2013 2002

72-83. Title: **Reversible diamine cross-linking of polyimide membranes**

Author(s): [Powell CE](#) (Powell, Clem E.), [Duthie XJ](#) (Duthie, Xavier J.), [Kentish SE](#) (Kentish, Sandra E.), [Qiao GG](#) (Qiao, Greg G.), [Stevens GW](#) (Stevens, Geoff W.)

Source: JOURNAL OF MEMBRANE SCIENCE 291 (1-2): 199-209 MAR 15 2007

CAO C

[Chemical cross-linking modification of 6FDA-2,6-DAT hollow fiber membranes for natural gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 216 : 257 2003

CHUNG TS

[PAMAM dendrimer-induced cross-linking modification of polyimide membranes](#)

LANGMUIR 20 : 2966 2004

LIU Y

[Chemical cross-linking modification of polyimide/poly\(ether sulfone\) dual-layer hollow-fiber membranes for gas separation](#)

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 42 : 1190 2003

LIU Y

[Effects of amidation on gas permeation properties of polyimide membranes](#)

JOURNAL OF MEMBRANE SCIENCE 214 : 83 2003

LIU Y

[Chemical cross-linking modification of polyimide membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 189 : 231 2001

SHAO L

[The effects of 1,3-cyclohexanebis\(methylamine\) modification on gas transport and plasticization resistance of polyimide membranes](#)

JOURNAL OF MEMBRANE SCIENCE 267 : 78 2005

SHAO L

[Polyimide modification by a linear aliphatic diamine to enhance transport performance and plasticization resistance](#)

JOURNAL OF MEMBRANE SCIENCE 256 : 46 2005

SHAO L

[Transport properties of cross-linked polyimide membranes induced by different generations of](#)

[diaminobutane \(DAB\) dendrimers](#)

JOURNAL OF MEMBRANE SCIENCE 238 : 153 2004

TIN PS

[Effects of cross-linking modification on gas separation performance of Matrimid membranes](#)

JOURNAL OF MEMBRANE SCIENCE 225 : 77 2003

XIAO YC

[Effects of thermal treatments and dendrimers chemical structures on the properties of highly surface cross-linked polyimide films](#)

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 44 : 3059 2005

XIAO YC

[Surface characterization, modification chemistry, and separation performance of polyimide and polyamidoamine dendrimer composite films](#)

LANGMUIR 20 : 8230 2004

ZHOU C

[The accelerated CO<sub>2</sub> plasticization of ultra-thin polyimide films and the effect of surface chemical cross-linking on plasticization and physical aging](#)

JOURNAL OF MEMBRANE SCIENCE 225 : 125 2003

84. Title: **Progress of porous hydrogels**

Author(s): [Lu GD](#) (Lu Guodong), [Yan QZ](#) (Yan Qingzhi), [Su XT](#) (Su Xintai), [Liu ZQ](#) (Liu Zhongqing), [Ge CC](#) (Ge Changchun)

Source: PROGRESS IN CHEMISTRY 19 (4): 485-493 APR 2007

ZHANG XZ

[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)

LANGMUIR 17 : 6094 2001

85. Title: **Chemical and nanomechanical characteristics of fluorocarbon thin films deposited by using plasma enhanced chemical vapor deposition**

Author(s): [Kim NK](#) (Kim, Nam-Kyun), [Cha NG](#) (Cha, Nam-Goo), [Kim KC](#) (Kim, Kyu-Chae), [Kim TG](#) (Kim, Tae-Gon), [Park JG](#) (Park, Jin-Goo)

Source: JOURNAL OF THE KOREAN PHYSICAL SOCIETY 50 (4): 1113-1118 APR 2007

MA KX

[Surface energy of thermotropic liquid crystalline polyesters and polyesteramide](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 36 : 2327 1998

86. Title: **Preparation of aminated microfiltration membranes by degradable functionalization using plain PEI membranes with various morphologies**

Author(s): [Albrecht W](#) (Albrecht, W.), [Santoso F](#) (Santoso, F.), [Lutzow K](#) (Luetzow, K.), [Weigel T](#) (Weigel, Th.), [Schomacker R](#) (Schomaecker, R.), [Lendlein A](#) (Lendlein, A.)

Source: JOURNAL OF MEMBRANE SCIENCE 292 (1-2): 145-157 APR 5 2007

CHUNG TS

[Asymmetric hollow fiber membranes prepared from miscible polybenzimidazole and polyetherimide blends](#)

JOURNAL OF MEMBRANE SCIENCE 147 : 35 1998

87-88. Title: **Effect of WOW process parameters on morphology and burst release of FITC-dextran loaded PLGA microspheres**

Author(s): [Mao SR](#) (Mao, Shirui), [Xu J](#) (Xu, Jing), [Cai CF](#) (Cai, Cuifang), [Germershaus O](#) (Germershaus, Oliver), [Schaper A](#) (Schaper, Andreas), [Kissel T](#) (Kissel, Thomas)

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS 334 (1-2): 137-148 APR 4 2007

YANG YY

[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

BIOMATERIALS 22 : 231 2001

YANG YY

[Effect of preparation temperature on the characteristics and release profiles of PLGA microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)  
JOURNAL OF CONTROLLED RELEASE 69 : 81 2000

89. Title: **A strategy to introduce the pH sensitivity to temperature sensitive PNIPAAm hydrogels without weakening the thermosensitivity**

Author(s): [Xu XD](#) (Xu, Xiao-Ding), [Zhang XZ](#) (Zhang, Xian-Zheng), [Cheng SX](#) (Cheng, Si-Xue), [Zhuo RX](#) (Zhuo, Ren-Xi), [Kennedy JF](#) (Kennedy, John F.)

Source: CARBOHYDRATE POLYMERS 68 (3): 416-423 APR 5 2007

ZHANG XZ

[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)

LANGMUIR 17 : 6094 2001

90. Title: **Polymer structure and the compensation effect of the diffusion pre-exponential factor and activation energy of a permeating solute**

Author(s): [Zheng JM](#) (Zheng, Ju-Meng), [Qiu J](#) (Qiu, Jun), [Madeira LM](#) (Madeira, Luis M.), [Mendes A](#) (Mendes, Adelio)

Source: JOURNAL OF PHYSICAL CHEMISTRY B 111 (11): 2828-2835 MAR 22 2007

SHIEH JJ

[Gas permeability, diffusivity, and solubility of poly\(4-vinylpyridine\) film](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 37 : 2851 1999

91. Title: **Self-assembly morphology effects on the crystallization of semicrystalline block copolymer thin film**

Author(s): [Wei YH](#) (Wei, Yuhua), [Pan CY](#) (Pan, Caiyuan), [Li BY](#) (Li, Binyao), [Han YC](#) (Han, Yanchun)

Source: JOURNAL OF CHEMICAL PHYSICS 126 (10): Art. No. 104902 MAR 14 2007

LIU TX

[Transmission electron microscopy observations on lamellar melting of cold-crystallized isotactic polystyrene](#)

MACROMOLECULES 34 : 4305 2001

92-94. Title: **Performance of PEI/BMI semi-IPN membranes for separations of various binary gaseous mixtures**

Author(s): [Kurdi J](#) (Kurdi, Jamal), [Kumar A](#) (Kumar, Ashwani)

Source: SEPARATION AND PURIFICATION TECHNOLOGY 53 (3): 301-311 MAR 1 2007

CHUNG TS

[Effect of shear stress within the spinneret on hollow fiber membrane morphology and separation performance](#)

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 37 : 3930 1998

QIN JJ

[Effect of temperature on intrinsic permeation properties of 6FDA-Durene/1,3-phenylenediamine \(mPDA\) copolyimide and fabrication of its hollow fiber membranes for CO<sub>2</sub>/CH<sub>4</sub> separation](#)

JOURNAL OF MEMBRANE SCIENCE 250 : 95 2005

REN JZ

[Development of asymmetric 6FDA-2,6 DAT hollow fiber membranes for CO<sub>2</sub>/CH<sub>4</sub> separation - 1. The influence of dope composition and rheology on membrane morphology and separation performance](#)

JOURNAL OF MEMBRANE SCIENCE 207 : 227 2002

95-96. Title: **Porous membranes modified by hyperbranched polymers - I. Preparation and characterization of PVDF membrane using hyperbranched polyglycerol as additive**

Author(s): [Zhao YH](#) (Zhao, Yong-Hong), [Zhu BK](#) (Zhu, Bao-Ku), [Ma XT](#) (Ma, Xiao-Ting), [Xu YY](#) (Xu, You-Yi)

Source: JOURNAL OF MEMBRANE SCIENCE 290 (1-2): 222-229 MAR 1 2007

- CHUNG TS  
[PAMAM dendrimer-induced cross-linking modification of polyimide membranes](#)  
LANGMUIR 20 : 2966 2004  
SHAO L  
[Transport properties of cross-linked polyimide membranes induced by different generations of diaminobutane \(DAB\) dendrimers](#)  
JOURNAL OF MEMBRANE SCIENCE 238 : 153 2004
- 97-98. Title: **Novel CO<sub>2</sub> selectively permeating membranes containing PETEDA dendrimer**  
Author(s): [Wang Z](#) (Wang, Zhi), [Li M](#) (Li, Meng), [Cai Y](#) (Cai, Yan), [Wang JX](#) (Wang, Jixiao), [Wang SC](#) (Wang, Shichang)  
Source: JOURNAL OF MEMBRANE SCIENCE 290 (1-2): 250-258 MAR 1 2007  
CHUNG TS  
[PAMAM dendrimer-induced cross-linking modification of polyimide membranes](#)  
LANGMUIR 20 : 2966 2004  
SHAO L  
[Transport properties of cross-linked polyimide membranes induced by different generations of diaminobutane \(DAB\) dendrimers](#)  
JOURNAL OF MEMBRANE SCIENCE 238 : 153 2004
99. Title: **Rheology and dispersion behavior of ethylene-vinyl acetate copolymers/TiO<sub>2</sub> masterbatches prepared by melt-compounding**  
Author(s): [Wang ZB](#) (Wang, Zhaobo), [Chen KZ](#) (Chen, Kezheng), [Zhang ZK](#) (Zhang, Zhikun)  
Source: JOURNAL OF MACROMOLECULAR SCIENCE PART B-PHYSICS 46 (2): 295-303 2007  
LIU TX  
[A processing-induced clay dispersion and its effect on the structure and properties of polyamide 6](#)  
POLYMER INTERNATIONAL 53 : 392 2004
100. Title: **Degradation of phenol by aerobic granules and isolated yeast Candida tropicalis**  
Author(s): [Adav SS](#) (Adav, Sunil S.), [Chen MY](#) (Chen, Ming-Yuan), [Lee DJ](#) (Lee, Duu-Jong), [Ren NQ](#) (Ren, Nan-Qi)  
Source: BIOTECHNOLOGY AND BIOENGINEERING 96 (5): 844-852 APR 1 2007  
CHUNG TS  
[Development of polysulfone membranes for bacteria immobilization to remove phenol](#)  
JOURNAL OF APPLIED POLYMER SCIENCE 70 : 2585 1998
101. Title: **Nanoparticles of poly(lactide) - Tocopheryl polyethylene glycol succinate (PLA-TPGS) copolymers for protein drug delivery**  
Author(s): [Lee SH](#) (Lee, Sie Huey), [Zhang ZP](#) (Zhang, Zhiping), [Feng SS](#) (Feng, Si-Shen)  
Source: BIOMATERIALS 28 (11): 2041-2050 APR 2007  
YANG YY  
[POE-PEG-POE triblock copolymeric microspheres containing protein - I. Preparation and characterization](#)  
JOURNAL OF CONTROLLED RELEASE 75 : 115 2001
102. Title: **In vitro biocompatibility and bioactivity of microencapsulated heparan sulfate**  
Author(s): [Luong-Van E](#) (Luong-Van, Emma), [Grondahl L](#) (Grondahl, Lisbeth), [Nurcombe V](#) (Nurcombe, Victor), [Cool S](#) (Cool, Simon)  
Source: BIOMATERIALS 28 (12): 2127-2136 APR 2007  
YANG YY  
[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)  
BIOMATERIALS 22 : 231 2001

103. Title: **Processing methods of ultrathin poly(epsilon-caprolactone) films for tissue engineering applications**

Author(s): [Tiaw KS](#) (Tiaw, Kay Siang), [Teoh SH](#) (Teoh, Swee Hin), [Chen R](#) (Chen, Ran), [Hong MH](#) (Hong, Ming Hui)

Source: BIOMACROMOLECULES 8 (3): 807-816 MAR 2007  
NG CS

[Simultaneous biaxial drawing of poly \(epsilon-caprolactone\) films](#)

POLYMER 41 : 5855 2000

104-105. Title: **Preparation and characterization of PVDF-PFSA blend hollow fiber UF membrane**

Author(s): [Lang WZ](#) (Lang, Wan-Zhong), [Xu ZL](#) (Xu, Zhen-Liang), [Yang H](#) (Yang, Hu), [Tong W](#) (Tong, Wei)

Source: JOURNAL OF MEMBRANE SCIENCE 288 (1-2): 123-131 FEB 1 2007  
CHUNG TS

[Asymmetric hollow fiber membranes prepared from miscible polybenzimidazole and polyetherimide blends](#)

JOURNAL OF MEMBRANE SCIENCE 147 : 35 1998

XU ZL

[Effect of polyvinylpyrrolidone molecular weights on morphology, oil/water separation, mechanical and thermal properties of polyetherimide/polyvinylpyrrolidone hollow fiber membranes](#)

JOURNAL OF APPLIED POLYMER SCIENCE 74 : 2220 1999

106-108. Title: **Gas separation of 6FDA-6FpDA membranes - Effect of the solvent on polymer surfaces and permselectivity**

Author(s): [Recio R](#) (Recio, Roberto), [Palacio L](#) (Palacio, Laura), [Pradanos P](#) (Pradanos, Pedro), [Hernandez A](#) (Hernandez, Antonio), [Lozano AE](#) (Lozano, Angel E.), [Marcos A](#) (Marcos, Angel), [de la Campa JG](#) (de la Campa, Jose G.), [de Abajo J](#) (de Abajo, Javier)

Source: JOURNAL OF MEMBRANE SCIENCE 293 (1-2): 22-28 APR 20 2007  
CHUNG TS

[The effects of spinning conditions on asymmetric 6FDA/6FDAM polyimide hollow fibers for air separation](#)

JOURNAL OF APPLIED POLYMER SCIENCE 65 : 1555 1997

CHUNG TS

[FLUORO-CONTAINING POLYIMIDE BLENDS - PREDICTION AND EXPERIMENTS](#)

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY 29 : 1207 1991

WANG R

[A critical review on diffusivity and the characterization of diffusivity of 6FDA-6FpDA polyimide membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 198 : 259 2002

109-110. Title: **On the limits of gas separation in CO<sub>2</sub>/CH<sub>4</sub>, N<sub>2</sub>/CH<sub>4</sub> and CO<sub>2</sub>/N<sub>2</sub> binary mixtures using polyimide membranes**

Author(s): [Cecopieri-Gomez ML](#) (Cecopieri-Gomez, Martha L.), [Palacios-Alquisira J](#) (Palacios-Alquisira, Joaquin), [Dominguez JM](#) (Dominguez, J. M.)

Source: JOURNAL OF MEMBRANE SCIENCE 293 (1-2): 53-65 APR 20 2007  
LIN WH

[Gas permeability, diffusivity, solubility, and aging characteristics of 6FDA-durene polyimide membranes](#)

JOURNAL OF MEMBRANE SCIENCE 186 : 183 2001

WANG R

[Gas transport properties of poly\(1,5-naphthalene-2,2'-bis\(3,4-phthalic\) hexafluoropropane\) diimide \(6FDA-1,5-NDA\) dense membranes](#)

JOURNAL OF MEMBRANE SCIENCE 199 : 191 2002

111. Title: **Surface modification of films of various high temperature resistant thermoplastics**

Author(s): [Seidel C](#) (Seidel, C.), [Damm C](#) (Damm, C.), [Muenstedt H](#) (Muenstedt, H.)  
Source: JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY 21 (5-6): 423-439 APR 2007  
MA KX  
[Investigation of surface energy for organic light emitting polymers and indium tin oxide](#)  
THIN SOLID FILMS 371 : 140 2000

112. Title: **DNA-nanotube-induced alignment of membrane proteins for NMR structure determination**

Author(s): [Douglas SM](#) (Douglas, Shawn M.), [Chou JJ](#) (Chou, James J.), [Shih WM](#) (Shih, William M.)  
Source: PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA 104 (16): 6644-6648 APR 17 2007  
ZHANG XZ  
[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)  
LANGMUIR 17 : 6094 2001

113. Title: **Multicyclic poly(ether sulfone)s derived from tris(4-hydroxyphenyl)ethane**

Author(s): [Garaleh M](#) (Garaleh, Mazen), [Polefka C](#) (Polefka, Claudia), [Schwarz G](#) (Schwarz, Gert), [Kricheldorf HR](#) (Kricheldorf, Hans R.)  
Source: MACROMOLECULAR CHEMISTRY AND PHYSICS 208 (7): 747-755 APR 3 2007  
LIU Y  
[Facile synthesis of hyperbranched polyimides from A\(2\)+BB2' monomers](#)  
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY 40 : 4563 2002

114. Title: **Tissue engineered prefabricated vascularized flaps**

Author(s): [Oo KKK](#) (Oo, Kenneth Klan Kwan), [Ong WC](#) (Ong, Wei Chen), [Ang AHC](#) (Ang, Annette Hui Chi), [Hutmacher DW](#) (Hutmacher, Dietmar W.), [Tan LKS](#) (Tan, Luke Kim Siang)  
Source: HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK 29 (5): 458-464 MAY 2007  
NG CS  
[Simultaneous biaxial drawing of poly \(epsilon-caprolactone\) films](#)

115-117. Title: **Synthesis, characterization and performance of asymmetric polyethersulfone (PES) ultrafiltration membranes with polyethylene glycol of different molecular weights as additives**

Author(s): [Idris A](#) (Idris, Ani), [Zain NM](#) (Zain, Norashikin Mat), [Noordin MY](#) (Noordin, M. Y.)  
Source: DESALINATION 207 (1-3): 324-339 MAR 10 2007  
LIU Y  
[Characterization of morphology controlled polyethersulfone hollow fiber membranes by the addition of polyethylene glycol to the dope and bore liquid solution](#)  
JOURNAL OF MEMBRANE SCIENCE 223 : 187 2003  
SHIEH JJ  
[Gas separation performance of poly\(4-vinylpyridine\)/polyetherimide composite hollow fibers](#)  
JOURNAL OF MEMBRANE SCIENCE 182 : 111 2001  
WANG KY  
[The effects of flow angle and shear rate within the spinneret on the separation performance of poly \(ethersulfone\) \(PES\) ultrafiltration hollow fiber membranes](#)  
JOURNAL OF MEMBRANE SCIENCE 240 : 67 2004

118. Title: **Organic-inorganic membranes for gas separation**

Author(s): [Nunes SP](#) (Nunes, Suzana Pereira)  
Source: ANNALES DE CHIMIE-SCIENCE DES MATERIAUX 32 (2): 119-126 MAR-APR 2007  
CHUNG TS  
[Characterization of permeability and sorption in Matrimid/C-60 mixed matrix membranes](#)  
JOURNAL OF MEMBRANE SCIENCE 211 : 91 2003

119. Title: **Synthesis and characterization of polyimides prepared from optically active (R,R) and (S,S)-1,3-bis(p-N,N '-dimethylaminobenzyl)-perhydrobenzimidazol-2-thion**  
Author(s): [Yigit M](#) (Yigit, Murat), [Seckin T](#) (Seckin, Turgay), [Koytepe S](#) (Koytepe, Suleyman), [Cetinkaya E](#) (Cetinkaya, Engin)

Source: TURKISH JOURNAL OF CHEMISTRY 31 (2): 113-124 2007

VORA RH

[Synthesis and properties of fluoro-polyetherimides](#)

POLYMER ENGINEERING AND SCIENCE 40 : 1318 2000

120. Title: **Low-voltage organic thin film transistors with hydrophobic aluminum nitride film as gate insulator**

Author(s): [Zan HW](#) (Zan, Hsiao-Wen), [Yen KH](#) (Yen, Kuo-Hsi), [Liu PK](#) (Liu, Pu-Kuan), [Ku KH](#) (Ku, Kuo-Hsin), [Chen CH](#) (Chen, Chien-Hsun), [Hwang JC](#) (Hwang, Jennchang)

Source: ORGANIC ELECTRONICS 8 (4): 450-454 AUG 2007

MA KX

[Investigation of surface energy for organic light emitting polymers and indium tin oxide](#)

THIN SOLID FILMS 371 : 140 2000

121-122. Title: **Hybrid-hollow-fiber membrane bioreactor for cometabolic transformation of 4-chlorophenol in the presence of phenol**

Author(s): [Li Y](#) (Li, Yi), [Loh KC](#) (Loh, Kai-Chee)

Source: JOURNAL OF ENVIRONMENTAL ENGINEERING-ASCE 133 (4): 404-410 APR 2007

CHUNG TS

[Development of polysulfone membranes for bacteria immobilization to remove phenol](#)

JOURNAL OF APPLIED POLYMER SCIENCE 70 : 2585 1998

LOH KC

[Immobilized-cell membrane bioreactor for high-strength phenol wastewater](#)

JOURNAL OF ENVIRONMENTAL ENGINEERING-ASCE 126 : 75 2000

123. Title: **Polymer-inorganic nanocomposite membranes for gas separation**

Author(s): [Cong HL](#) (Cong, Hailin), [Radosz M](#) (Radosz, Maciej), [Towler BF](#) (Towler, Brian Francis), [Shen YQ](#) (Shen, Youqing)

Source: SEPARATION AND PURIFICATION TECHNOLOGY 55 (3): 281-291 JUL 1 2007

CHUNG TS

[Characterization of permeability and sorption in Matrimid/C-60 mixed matrix membranes](#)

JOURNAL OF MEMBRANE SCIENCE 211 : 91 2003

124. Title: **In-situ grafting of hyperbranched poly(ether ketone)s onto multiwalled carbon nanotubes via the A(3)+B-2 approach**

Author(s): [Choi JY](#) (Choi, Ja-Young), [Oh SJ](#) (Oh, Se-Jin), [Lee HJ](#) (Lee, Hwa-Jeong), [Wang DH](#) (Wang, David H.), [Tan LS](#) (Tan, Loon-Seng), [Baek JB](#) (Baek, Jong-Beom)

Source: MACROMOLECULES 40 (13): 4474-4480 JUN 26 2007

LIU Y

[Facile synthesis of hyperbranched polyimides from A\(2\)+BB2' monomers](#)

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY 40 : 4563 2002

125. Title: **Electric-field-control led synthesis of HPMA hydrogels containing self-organized arrays of micro-channels**

Author(s): [Campbell TD](#) (Campbell, Tedric D.), [Washington RP](#) (Washington, Randy P.), [Steinbock O](#) (Steinbock, Oliver)

Source: JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY 45 (13): 2593-2600 JUL 1 2007

ZHANG XZ

[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)

LANGMUIR 17 : 6094 2001

126. Title: **Formulation and characterization of chitosan-based hydrogel films having both temperature and pH sensitivity**  
Author(s): [Sun GM](#) (Sun, Guoming), [Zhang XZ](#) (Zhang, Xian-Zheng), [Chu CC](#) (Chu, Chih-Chang)  
Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE 18 (8): 1563-1577 AUG 2007

ZHANG XZ  
[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)  
LANGMUIR 17 : 6094 2001

127. Title: **Surface treatment of aluminum sheets by pulsed microwave plasma discharge at atmospheric pressure**

Author(s): [Cho SC](#) (Cho, Soon Cheon), [Hong YC](#) (Hong, Yong Cheol), [Uhm HS](#) (Uhm, Han Sup)  
Source: JAPANESE JOURNAL OF APPLIED PHYSICS PART 1-REGULAR PAPERS BRIEF COMMUNICATIONS & REVIEW PAPERS 46 (6A): 3583-3588 JUN 2007

MA KX  
[Investigation of surface energy for organic light emitting polymers and indium tin oxide](#)  
THIN SOLID FILMS 371 : 140 2000

128-131. Title: **Molecular dynamics simulations to compute diffusion coefficients of gases into polydimethylsiloxane and poly{(1,5-naphthalene)-co-[1,4-durene-2,2'-bis(3,4-dicarboxyl phenyl)hexafluoropropane diimide]}**

Author(s): [Jawalkar SS](#) (Jawalkar, Sheetal S.), [Aminabhavi TM](#) (Aminabhavi, Tejraj M.)

CHUNG TS  
[DEVELOPMENT OF ASYMMETRIC HOLLOW FIBERS FROM POLYIMIDES FOR AIR SEPARATION](#)  
JOURNAL OF MEMBRANE SCIENCE 75 : 181 1992  
CHUNG TS  
[The effects of spinning conditions on asymmetric 6FDA/6FDAM polyimide hollow fibers for air separation](#)  
JOURNAL OF APPLIED POLYMER SCIENCE 65 : 1555 1997  
SHAO L  
[Transport properties of cross-linked polyimide membranes induced by different generations of diaminobutane \(DAB\) dendrimers](#)  
JOURNAL OF MEMBRANE SCIENCE 238 : 153 2004  
CHAN SS  
[Gas and hydrocarbon\(C-2 and C-3\) transport properties of co-polyimides synthesized from 6FDA and 1,5-NDA \(naphthalene\)/Durene diamines](#)  
JOURNAL OF MEMBRANE SCIENCE 218 : 235 2003

132. Title: **Pore closing and opening in biodegradable polymers and their effect on the controlled release of proteins**

Author(s): [Kang JC](#) (Kang, Jichao), [Schwendeman SP](#) (Schwendeman, Steven P.)  
Source: MOLECULAR PHARMACEUTICS 4 (1): 104-118 JAN-FEB 2007

YANG YY  
[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)  
BIOMATERIALS 22 : 231 2001

133. Title: **Modeling and economic analysis of CO<sub>2</sub> separation process with hollow fiber membrane modules**

Author(s): [Shim HM](#) (Shim, Hyun Min), [Lee JS](#) (Lee, Joon Soo), [Wang HY](#) (Wang, Hong Yue), [Choi SH](#) (Choi, Seung Hak), [Kim JH](#) (Kim, Jeong Hoon), [Kim HT](#) (Kim, Hyung Taek)  
Source: KOREAN JOURNAL OF CHEMICAL ENGINEERING 24 (3): 537-541 MAY 2007

WANG R

[Characterization of hollow fiber membranes in a permeator using binary gas mixtures](#)  
CHEMICAL ENGINEERING SCIENCE 57 : 967 2002

134. Title: **Ag-0 and Co-0 nanocolloids as recyclable quasihomogeneous metal catalysts for the hydrogenation of alpha,beta-unsaturated aldehydes to allylic alcohol fragrances**

Author(s): [Mertens PGN](#) (Mertens, Pascal G. N.), [Cuypers F](#) (Cuypers, Frederic), [Vandezande P](#) (Vandezande, Pieter), [Ye XP](#) (Ye, Xingpu), [Verpoort F](#) (Verpoort, Francis), [Vankelecom IFJ](#) (Vankelecom, Ivo F. J.), [De Vos DE](#) (De Vos, Dirk E.)

Source: APPLIED CATALYSIS A-GENERAL 325 (1): 130-139 MAY 30 2007

TIN PS

[Effects of cross-linking modification on gas separation performance of Matrimid membranes](#)  
JOURNAL OF MEMBRANE SCIENCE 225 : 77 2003

135-153. Title: **Separation of carbon dioxide from natural gas mixtures through polymeric membranes - A review**

Author(s): [Sridhar S](#) (Sridhar, S.), [Smitha B](#) (Smitha, B.), [Aminabhavi TM](#) (Aminabhavi, T. M.)

Source: SEPARATION AND PURIFICATION REVIEWS 36 (2): 113-174 2007

CAO C

[Chemical cross-linking modification of 6FDA-2,6-DAT hollow fiber membranes for natural gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 216 : 257 2003

CAO C

[Formation of high-performance 6FDA-2,6-DAT asymmetric composite hollow fiber membranes for CO<sub>2</sub>/CH<sub>4</sub> separation](#)

JOURNAL OF MEMBRANE SCIENCE 209 : 309 2002

CHAN SS

[Gas and hydrocarbon\(C-2 and C-3\) transport properties of co-polyimides synthesized from 6FDA and 1,5-NDA \(naphthalene\)/Durene diamines](#)

JOURNAL OF MEMBRANE SCIENCE 218 : 235 2003

CHUNG TS

[DEVELOPMENT OF ASYMMETRIC HOLLOW FIBERS FROM POLYIMIDES FOR AIR SEPARATION](#)

JOURNAL OF MEMBRANE SCIENCE 75 : 181 1992

JIANG LY

[Fabrication of Matrimid/polyethersulfone dual-layer hollow fiber membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 240 : 91 2004

LI Y

[Effects of novel silane modification of zeolite surface on polymer chain rigidification and partial pore blockage in polyethersulfone \(PES\)-zeolite A mixed matrix membranes](#)

JOURNAL OF MEMBRANE SCIENCE 275 : 17 2006

LIN WH

[Gas permeability, diffusivity, solubility, and aging characteristics of 6FDA-durene polyimide membranes](#)

JOURNAL OF MEMBRANE SCIENCE 186 : 183 2001

LIU Y

[Chemical cross-linking modification of polyimide/poly\(ether sulfone\) dual-layer hollow-fiber membranes for gas separation](#)

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 42 : 1190 2003

LIU Y

[Effects of amidation on gas permeation properties of polyimide membranes](#)

JOURNAL OF MEMBRANE SCIENCE 214 : 83 2003

QIN JJ

[Effect of temperature on intrinsic permeation properties of 6FDA-Durene/1,3-phenylenediamine \(mPDA\) copolyimide and fabrication of its hollow fiber membranes for CO<sub>2</sub>/CH<sub>4</sub> separation](#)

JOURNAL OF MEMBRANE SCIENCE 250 : 95 2005

SHAO L  
[Polyimide modification by a linear aliphatic diamine to enhance transport performance and plasticization resistance](#)  
JOURNAL OF MEMBRANE SCIENCE 256 : 46 2005

SHAO L  
[The evolution of physicochemical and transport properties of 6FDA-durene toward carbon membranes: from polymer, intermediate to carbon](#)  
MICROPOROUS AND MESOPOROUS MATERIALS 84 : 59 2005

SHIEH JJ  
[Gas separation performance of poly\(4-vinylpyridine\)/polyetherimide composite hollow fibers](#)  
JOURNAL OF MEMBRANE SCIENCE 182 : 111 2001

TIN PS  
[Separation of CO<sub>2</sub>/CH<sub>4</sub> through carbon molecular sieve membranes derived from P84 polyimide](#)  
CARBON 42 : 3123 2004

TIN PS  
[Advanced fabrication of carbon molecular sieve membranes by nonsolvent pretreatment of precursor polymers](#)  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 43 : 6476 2004

TIN PS  
[Effects of cross-linking modification on gas separation performance of Matrimid membranes](#)  
JOURNAL OF MEMBRANE SCIENCE 225 : 77 2003

WANG R  
[Gas transport properties of poly\(1,5-naphthalene-2,2'-bis\(3,4-phthalic\) hexafluoropropane\) diimide \(6FDA-1,5-NDA\) dense membranes](#)  
JOURNAL OF MEMBRANE SCIENCE 199 : 191 2002

XIAO YC  
[Surface characterization, modification chemistry, and separation performance of polyimide and polyamidoamine dendrimer composite films](#)  
LANGMUIR 20 : 8230 2004

ZHOU C  
[The accelerated CO<sub>2</sub> plasticization of ultra-thin polyimide films and the effect of surface chemical cross-linking on plasticization and physical aging](#)  
JOURNAL OF MEMBRANE SCIENCE 225 : 125 2003

154-155. Title: **A new class of high T-g and organosoluble polynaphthalimides**  
Author(s): [Li WM](#) (Li, Wenmu), [Zhang SB](#) (Zhang, Suobo), [Chen G](#) (Chen, Guang), [Zhang QY](#) (Zhang, Quanyuan)

Source: POLYMER 48 (11): 3082-3089 MAY 21 2007

LIN WH  
[Gas transport properties of 6FDA-durene/1,4-phenylenediamine \(pPDA\) copolyimides](#)  
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 2703 2000

TIN PS  
[Effects of cross-linking modification on gas separation performance of Matrimid membranes](#)  
JOURNAL OF MEMBRANE SCIENCE 225 : 77 2003

156. Title: **Structure-gas transport property relationships of hexafluoroisopropylidene based poly(imide-siloxane)s**

Author(s): [Srividhya M](#) (Srividhya, M.), [Reddy BSR](#) (Reddy, B. S. R.)

Source: JOURNAL OF MEMBRANE SCIENCE 296 (1-2): 65-76 JUN 15 2007

LIU SL  
[Effect of diamine composition on the gas transport properties in 6FDA-durene/3,3'-diaminodiphenyl sulfone copolyimides](#)  
JOURNAL OF MEMBRANE SCIENCE 202 : 165 2002

157. Title: **Au-0 nanocolloids as recyclable quasihomogeneous metal catalysts in the chemoselective hydrogenation of alpha,beta-unsaturated aldehydes and ketones to allylic alcohols**

Author(s): [Mertens PGN](#) (Mertens, P. G. N.), [Poelman H](#) (Poelman, H.), [Ye X](#) (Ye, X.), [Vankelecom IFJ](#) (Vankelecom, I. F. J.), [Jacobs PA](#) (Jacobs, P. A.), [De Vos DE](#) (De Vos, D. E.)

Source: CATALYSIS TODAY 122 (3-4): 352-360 APR 30 2007

TIN PS

[Effects of cross-linking modification on gas separation performance of Matrimid membranes](#)

JOURNAL OF MEMBRANE SCIENCE 225 : 77 2003

158-164. Title: **Preparation of poly(phthalazinone ether sulfone ketone) hollow fiber membrane for gas separation**

Author(s): [Fu HT](#) (Fu, Haitao), [Yang DL](#) (Yang, Daling), [Zhang SH](#) (Zhang, Shouhai), [Jian XG](#) (Jian, Xigao)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 105 (2): 405-411 JUL 15 2007

CHUNG TS

[DEVELOPMENT OF A DEFECT-FREE 6FDA-DURENE ASYMMETRIC HOLLOW-FIBER AND ITS COMPOSITE HOLLOW FIBERS](#)

JOURNAL OF MEMBRANE SCIENCE 88 : 21 1994

CHUNG TS

[DEVELOPMENT OF ASYMMETRIC HOLLOW FIBERS FROM POLYIMIDES FOR AIR SEPARATION](#)

JOURNAL OF MEMBRANE SCIENCE 75 : 181 1992

JIANG LY

[Fabrication of Matrimid/polyethersulfone dual-layer hollow fiber membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 240 : 91 2004

LI DF

[Morphological aspects and structure control of dual-layer asymmetric hollow fiber membranes formed by a simultaneous co-extrusion approach](#)

JOURNAL OF MEMBRANE SCIENCE 243 : 155 2004

LI DF

[Fabrication of fluoropolyimide/polyethersulfone \(PES\) dual-layer asymmetric hollow fiber membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 198 : 211 2002

LI Y

[Fabrication of dual-layer polyethersulfone \(PES\) hollow fiber membranes with an ultrathin dense-selective layer for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 245 : 53 2004

SHIEH JJ

[Effect of liquid-liquid demixing on the membrane morphology, gas permeation, thermal and mechanical properties of cellulose acetate hollow fibers](#)

JOURNAL OF MEMBRANE SCIENCE 140 : 67 1998

165. Title: **Surface treatment and characterization of ITO thin films using atmospheric pressure plasma for organic light emitting diodes**

Author(s): [Jung MH](#) (Jung, Mi-Hee), [Choi HS](#) (Choi, Ho-Suk)

Source: JOURNAL OF COLLOID AND INTERFACE SCIENCE 310 (2): 550-558 JUN 15 2007

MA KX

[Investigation of surface energy for organic light emitting polymers and indium tin oxide](#)

THIN SOLID FILMS 371 : 140 2000

166-168. Title: **Application of polyaluminum chloride prepared by a membrane reactor to dyestuff wastewater**

Author(s): [Yang YQ](#) (Yang, Yongqiang), [Yang DL](#) (Yang, Daling), [Zhang SH](#) (Zhang, Shouhai), [Yang FJ](#) (Yang, Fajie), [Jian XG](#) (Jian, Xigao)

Source: DESALINATION 208 (1-3): 49-61 APR 5 2007

CHUNG TS

[Asymmetric hollow fiber membranes prepared from miscible polybenzimidazole and](#)

[polyetherimide blends](#)

JOURNAL OF MEMBRANE SCIENCE 147 : 35 1998

CHUNG TS

[Formation of ultrathin high-performance polyethersulfone hollow-fiber membranes](#)

JOURNAL OF MEMBRANE SCIENCE 133 : 161 1997

XU ZL

[Effect of polyvinylpyrrolidone molecular weights on morphology, oil/water separation, mechanical and thermal properties of polyetherimide/polyvinylpyrrolidone hollow fiber membranes](#)

JOURNAL OF APPLIED POLYMER SCIENCE 74 : 2220 1999

169. Title: **Hydrogen-bonding in cardo copoly(aryl ether ketone)s and its effects on the gas permeation behavior**

Author(s): [Wang ZG](#) (Wang, Zhonggang), [Chen TL](#) (Chen, Tianlu), [Xu JP](#) (Xu, Jiping)

Source: MACROMOLECULES 40 (9): 3238-3245 MAY 1 2007

WANG R

[Gas transport properties of poly\(1,5-naphthalene-2,2'-bis\(3,4-phthalic\) hexafluoropropane\) diimide \(6FDA-1,5-NDA\) dense membranes](#)

JOURNAL OF MEMBRANE SCIENCE 199 : 191 2002

170. Title: **Comparison of He/O-2 and Ar/O-2 atmospheric-pressure plasma for photoresist etching**

Author(s): [Jung MH](#) (Jung, Mi-Hee), [Beaudoin SP](#) (Beaudoin, Stephen P.), [Choi HS](#) (Choi, Ho-Suk)

Source: JOURNAL OF THE ELECTROCHEMICAL SOCIETY 154 (6): H422-H429 2007

MA KX

[Investigation of surface energy for organic light emitting polymers and indium tin oxide](#)

THIN SOLID FILMS 371 : 140 2000

171. Title: **Thrombin receptor agonist peptide entrapped in poly(D,L)-lactide-co-glycolide microparticles: Preparation and characterization**

Author(s): [Stashevskaya K](#) (Stashevskaya, Kira), [Markvicheva E](#) (Markvicheva, Elena), [Strukova S](#) (Strukova, Svetlana), [Prudchenko I](#) (Prudchenko, Igor), [Zubov V](#) (Zubov, Vitaly), [Grandfils C](#) (Grandfils, Christian)

Source: JOURNAL OF MICROENCAPSULATION 24 (2): 129-142 2007

BAI XL

[Effect of polymer compositions on the fabrication of poly\(ortho-ester\) microspheres for controlled release of protein](#)

JOURNAL OF APPLIED POLYMER SCIENCE 80 : 1630 2001

172-173. Title: **Effect of additive contents on the performances and structural properties of asymmetric polyethersulfone (PES) nanofiltration membranes**

Author(s): [Ismail AF](#) (Ismail, A. F.), [Hassan AR](#) (Hassan, A. R.)

Source: SEPARATION AND PURIFICATION TECHNOLOGY 55 (1): 98-109 MAY 15 2007

JIANG LY

[Fabrication of Matrimid/polyethersulfone dual-layer hollow fiber membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 240 : 91 2004

XU ZL

[Effect of polyvinylpyrrolidone molecular weights on morphology, oil/water separation, mechanical and thermal properties of polyetherimide/polyvinylpyrrolidone hollow fiber membranes](#)

JOURNAL OF APPLIED POLYMER SCIENCE 74 : 2220 1999

174. Title: **High performance polyethersulfone UF membrane for manufacturing spiral wound module: preparation, morphology, performance, and chemical cleaning**

Author(s): [Rahimpour A](#) (Rahimpour, A.), [Madaeni SS](#) (Madaeni, S. S.), [Mansourpanah Y](#) (Mansourpanah, Y.)

Source: POLYMERS FOR ADVANCED TECHNOLOGIES 18 (5): 403-410 MAY 2007

XU ZL

[Effect of polyvinylpyrrolidone molecular weights on morphology, oil/water separation, mechanical and thermal properties of polyetherimide/polyvinylpyrrolidone hollow fiber membranes](#)

JOURNAL OF APPLIED POLYMER SCIENCE 74 : 2220 1999

175-177. Title: **Macromolecule release from monodisperse PLG microspheres: Control of release rates and investigation of release mechanism**

Author(s): [Berkland C](#) (Berkland, Cory), [Pollauf E](#) (Pollauf, Emily), [Raman C](#) (Raman, Chandrashekar), [Silverman R](#) (Silverman, Roshelle), [Kim K](#) (Kim, Kyekyoon (Kevin)), [Pack DW](#) (Pack, Daniel W.)

Source: JOURNAL OF PHARMACEUTICAL SCIENCES 96 (5): 1176-1191 MAY 2007

YANG YY

[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

BIOMATERIALS 22 : 231 2001

YANG YY

[POE-PEG-POE triblock copolymeric microspheres containing protein - I. Preparation and characterization](#)

JOURNAL OF CONTROLLED RELEASE 75 : 115 2001

YANG YY

[POE-PEG-POE triblock copolymeric microspheres containing protein - I. Preparation and characterization](#)

JOURNAL OF CONTROLLED RELEASE 75 : 115 2001

178. Title: **Synthesis of macroporous poly(N-isopropylacrylamide) hydrogel with ultrarapid swelling-deswelling properties**

Author(s): [Zhao Q](#) (Zhao, Qian), [Sun JZ](#) (Sun, Jianzhong), [Zhou QY](#) (Zhou, Qiyun)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 104 (6): 4080-4087 JUN 15 2007

ZHANG XZ

[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)

LANGMUIR 17 : 6094 2001

179. Title: **Cell sustainability in a dendrimERICALLY cross-linked collagen scaffold**

Author(s): [Tiong WHC](#) (Tiong, W. H. C.), [Damodaran G](#) (Damodaran, G.), [Kelly JK](#) (Kelly, J. K.), [Pandit A](#) (Pandit, A.)

Source: TISSUE ENGINEERING 13 (7): 1650-1650 47 JUL 2007

CHUNG TS

[PAMAM dendrimer-induced cross-linking modification of polyimide membranes](#)

LANGMUIR 20 : 2966 2004

180. Title: **Isomeric polyimides**

Author(s): [Ding MX](#) (Ding, Mengxian)

Source: PROGRESS IN POLYMER SCIENCE 32 (6): 623-668 JUN 2007

CHUNG TS

[FLUORO-CONTAINING POLYIMIDE BLENDS - PREDICTION AND EXPERIMENTS](#)

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY 29 : 1207 1991

QU WL

[Effect of polyimides with different ratios of para- to meta- analogous fluorinated diamines on relaxation process](#)

POLYMER 42 : 6393 2001

182. Title: **Thermal degradation kinetics of polyimide containing 2,6-benzobisoxazole units**

Author(s): [Meng XL](#) (Meng, Xiangli), [Huang YD](#) (Huang, Yudong), [Yu H](#) (Yu, Hong), [Lv ZS](#) (Lv, Zushun)

Source: POLYMER DEGRADATION AND STABILITY 92 (6): 962-967 JUN 2007  
PRAMODA KP  
[Characterization and thermal degradation of polyimide and polyamide liquid crystalline polymers](#)  
POLYMER DEGRADATION AND STABILITY 67 : 365 2000

183. Title: **Intercalated structure of polypropylene/in situ polymerization-modified talc composites via melt compounding**  
Author(s): [Zhou XP](#) (Zhou, Xing-Ping), [Xie XL](#) (Xie, Xiao-Lin), [Yu ZZ](#) (Yu, Zhong-Zhen), [Mai YW](#) (Mai, Yiu-Wing)  
Source: POLYMER 48 (12): 3555-3564 JUN 4 2007  
LIU SL  
[Crystallization and melting behavior of regioregular poly\(3-dodecylthiophene\)](#)  
POLYMER 41 : 2781 2000

184. Title: **Preparation and in vitro characterization of carrier erythrocytes for vaccine delivery**  
Author(s): [Hamidi M](#) (Hamidi, M.), [Zarei N](#) (Zarei, N.), [Zarrin AH](#) (Zarrin, A. H.), [Mohammadi-Samani S](#) (Mohammadi-Samani, S.)  
Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS 338 (1-2): 70-78 JUN 29 2007  
CHIA HH  
[Auto-catalyzed poly\(ortho ester\) microspheres: a study of their erosion and drug release mechanism](#)  
JOURNAL OF CONTROLLED RELEASE 75 : 11 2001

185. Title: **Morphology of solidified polysulfone structures obtained by wet phase separation**  
Author(s): [Kaiser V](#) (Kaiser, Vladimir), [Stropnik C](#) (Stropnik, Chrtomir), [Musil V](#) (Musil, Voiko), [Brumen M](#) (Brumen, Milan)  
Source: EUROPEAN POLYMER JOURNAL 43 (6): 2515-2524 JUN 2007  
CHUNG TS  
[Fabrication of multi-layer composite hollow fiber membranes for gas separation](#)  
JOURNAL OF MEMBRANE SCIENCE 152 : 211 1999

186. Title: **Design of dispersants for the dispersion of carbon nanotubes in an organic solvent**  
Author(s): [Kim KK](#) (Kim, Ki Kang), [Yoon SM](#) (Yoon, Seon-Mi), [Choi JY](#) (Choi, Jae-Young), [Lee J](#) (Lee, Jeonghee), [Kim BK](#) (Kim, Byung-Ki), [Kim JM](#) (Kim, Jong Min), [Lee JH](#) (Lee, Jin-Hyon), [Paik U](#) (Paik, Ungyu), [Park MH](#) (Park, Min Ho), [Yang CW](#) (Yang, Cheol Woong), [An KH](#) (An, Kay Hyeok), [Chung YS](#) (Chung, Youngsu), [Lee YH](#) (Lee, Young Hee)  
Source: ADVANCED FUNCTIONAL MATERIALS 17 (11): 1775-1783 JUL 23 2007  
XU JM  
[Polymers synthesized from \(3-alkylthio\)thiophenes by the FeCl<sub>3</sub> oxidation method](#)  
SYNTHETIC METALS 132 : 63 2002

187. Title: **Synthesis and properties of novel regioirregular polyimides from easily synthesized asymmetrical dichlorophthalimide monomers**  
Author(s): [Li WM](#) (Li, Wenmu), [Chen G](#) (Chen, Guang), [Zhang SB](#) (Zhang, Suobo), [Wang H](#) (Wang, He), [Yan DH](#) (Yan, Donghang)  
Source: JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY 45 (16): 3550-3561 AUG 15 2007  
LIN WH  
[Gas transport properties of 6FDA-durene/1,4-phenylenediamine \(pPDA\) copolyimides](#)  
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 2703 2000

188. Title: **Growing tissue-like constructs with Hep3B/HepG2 liver cells on PHBV microspheres of different sizes**  
Author(s): [Zhu XH](#) (Zhu, Xin Hao), [Wang CH](#) (Wang, Chi-Hwa), [Tong YW](#) (Tong, Yen Wah)  
Source: JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS 82B (1): 7-16 JUL 2007

YANG YY

[Effect of preparation temperature on the characteristics and release profiles of PLGA microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)  
JOURNAL OF CONTROLLED RELEASE 69 : 81 2000

189. Title: **Comparison of model-fitting kinetics for predicting the cure behavior of commercial phenol-formaldehyde resins**

Author(s): [Wang JW](#) (Wang, Jinwu), [Laborie MPG](#) (Laborie, Marie-Pierre G.), [Wolcott MP](#) (Wolcott, Michael P.)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 105 (3): 1289-1296 AUG 5 2007

CHUNG TS

[CURE MECHANISM OF A MODIFIED NITRILE EPOXY ADHESIVE](#)

JOURNAL OF APPLIED POLYMER SCIENCE 29 : 4403 1984

190. Title: **Synthesis, characterization, and chemical degradation of segmented polyurethanes with butylamine for chemical recycling**

Author(s): [Elidrissi A](#) (Elidrissi, Abderahmane), [Krim O](#) (Krim, Ouassini), [Ouslimane S](#) (Ouslimane, Samir), [Berrabeh M](#) (Berrabeh, Mohamed), [Touzani R](#) (Touzani, Rachid)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 105 (3): 1623-1631 AUG 5 2007

KRISHNAN PSG

[Synthesis, characterization and kinetic study of hydrolysis of polyamic acid derived from ODPAA and m-tolidine and related compounds](#)

POLYMER 42 : 5165 2001

191-194. Title: **Continuous phenol biodegradation at high concentrations in an immobilized-cell hollow fiber membrane bioreactor**

Author(s): [Li Y](#) (Li, Yi), [Loh KC](#) (Loh, Kai-Chee)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 105 (4): 1732-1739 AUG 15 2007

CHUNG TS

[Development of polysulfone membranes for bacteria immobilization to remove phenol](#)

JOURNAL OF APPLIED POLYMER SCIENCE 70 : 2585 1998

CHUNG TS

[Development of cellulose acetate membranes for bacteria immobilization to remove phenol](#)

JOURNAL OF APPLIED POLYMER SCIENCE 68 : 1677 1998

LOH KC

[Immobilized-cell membrane bioreactor for high-strength phenol wastewater](#)

JOURNAL OF ENVIRONMENTAL ENGINEERING-ASCE 126 : 75 2000

ZHU GH

[Activated carbon-filled cellulose acetate hollow-fiber membrane for cell immobilization and phenol degradation](#)

JOURNAL OF APPLIED POLYMER SCIENCE 76 : 695 2000

195-196. Title: **Hyperbranched fluoropolymers and their hybridization into complex amphiphilic crosslinked copolymer networks**

Author(s): [Bartels JW](#) (Bartels, Jeremy W.), [Cheng C](#) (Cheng, Chong), [Powell KT](#) (Powell, Kenya T.), [Xu JQ](#) (Xu, Jinqi), [Wooley KL](#) (Wooley, Karen L.)

Source: MACROMOLECULAR CHEMISTRY AND PHYSICS 208 (15): 1676-1687 AUG 3 2007

CHUNG TS

[PAMAM dendrimer-induced cross-linking modification of polyimide membranes](#)

LANGMUIR 20 : 2966 2004

XIAO YC

[Surface characterization, modification chemistry, and separation performance of polyimide and polyamidoamine dendrimer composite films](#)

LANGMUIR 20 : 8230 2004

197-198. Title: **Effects of carbon dioxide-induced plasticization on the gas transport properties of glassy polyimide membranes**

Author(s): [Kanehashi S](#) (Kanehashi, Shinji), [Nakagawa T](#) (Nakagawa, Tsutomu), [Nagai K](#) (Nagai, Kazukiyo), [Duthie X](#) (Duthie, Xavier), [Kentish S](#) (Kentish, Sandra), [Stevens G](#) (Stevens, Geoff)

Source: JOURNAL OF MEMBRANE SCIENCE 298 (1-2): 147-155 JUL 20 2007

LIN WH

[Gas permeability, diffusivity, solubility, and aging characteristics of 6FDA-durene polyimide membranes](#)

JOURNAL OF MEMBRANE SCIENCE 186 : 183 2001

ZHOU C

[The accelerated CO<sub>2</sub> plasticization of ultra-thin polyimide films and the effect of surface chemical cross-linking on plasticization and physical aging](#)

JOURNAL OF MEMBRANE SCIENCE 225 : 125 2003

199. Title: **Magnetic suspension balance study of carbon dioxide solubility in ammonium-based polymerized ionic liquids: Poly(p-vinylbenzyltrimethyl ammonium tetrafluoroborate) and poly ([2-(methacryloyloxy)ethyl] trimethyl ammonium tetrafluoroborate)**

Author(s): [Blasig A](#) (Blasig, Andre), [Tang JB](#) (Tang, Jianbin), [Hu XD](#) (Hu, Xudong), [Shen YQ](#) (Shen, Youqing), [Radosz M](#) (Radosz, Maciej)

Source: FLUID PHASE EQUILIBRIA 256 (1-2): 75-80 Sp. Iss. SI, AUG 1 2007

LIN WH

[Gas transport properties of 6FDA-durene/1,4-phenylenediamine \(pPDA\) copolyimides](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 2703 2000

200-201. Title: **Incorporation of granular activated carbon in an immobilized membrane bioreactor for the biodegradation of phenol by Pseudomonas putida**

Author(s): [Wang C](#) (Wang, Chao), [Li Y](#) (Li, Yi)

Source: BIOTECHNOLOGY LETTERS 29 (9): 1353-1356 SEP 2007

CHUNG TS

[Development of polysulfone membranes for bacteria immobilization to remove phenol](#)

JOURNAL OF APPLIED POLYMER SCIENCE 70 : 2585 1998

CHUNG TS

[Development of cellulose acetate membranes for bacteria immobilization to remove phenol](#)

JOURNAL OF APPLIED POLYMER SCIENCE 68 : 1677 1998

202. Title: **Injectable matrices and scaffolds for drug delivery in tissue engineering**

Author(s): [Kretlow JD](#) (Kretlow, James D.), [Klouda L](#) (Klouda, Leda), [Mikos AG](#) (Mikos, Antonios G.)

Source: ADVANCED DRUG DELIVERY REVIEWS 59 (4-5): 263-273 MAY 30 2007

ZHANG XZ

[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)

LANGMUIR 17 : 6094 2001

203. Title: **Preparation of porous polyacrylamide hydrogels by frontal polymerization**

Author(s): [Lu GD](#) (Lu, Guo Dong), [Yan QZ](#) (Yan, Qing Zhi), [Ge CC](#) (Ge, Chang Chun)

Source: POLYMER INTERNATIONAL 56 (8): 1016-1020 AUG 2007

ZHANG XZ

[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)

LANGMUIR 17 : 6094 2001

204. Title: **Multiple melting behavior of poly (3-hydroxybutyrate-co-3-hydroxyhexanoate) investigated by differential scanning calorimetry and infrared spectroscopy**

Author(s): [Hu Y](#) (Hu, Yun), [Zhang JM](#) (Zhang, Jianming), [Sato H](#) (Sato, Harumi), [Noda I](#) (Noda, Isao), [Ozaki Y](#) (Ozaki, Yukihiro)

Source: POLYMER 48 (16): 4777-4785 JUL 27 2007

LIU TX

[Transmission electron microscopy observations on lamellar melting of cold-crystallized isotactic polystyrene](#)

MACROMOLECULES 34 : 4305 2001

205-212. Title: **Operating temperature effects on the plasticization of polyimide gas separation membranes**

Author(s): [Duthie X](#) (Duthie, Xavier), [Kentish S](#) (Kentish, Sandra), [Powell C](#) (Powell, Clem), [Nagai K](#) (Nagai, Kazukiyo), [Qiao G](#) (Qiao, Greg), [Stevens G](#) (Stevens, Geoff)

Source: JOURNAL OF MEMBRANE SCIENCE 294 (1-2): 40-49 MAY 15 2007

CHUNG TS

[Gas transport properties of 6FDA-durene/1,3-phenylenediamine \(mPDA\) copolyimides](#)

JOURNAL OF APPLIED POLYMER SCIENCE 81 : 3552 2001

CHUNG TS

[Pressure and temperature dependence of the gas-transport properties of dense poly\[2,6-toluene-2,2-bis\(3,4-dicarboxylphenyl\)hexafluoropropane diimide\] membranes](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 42 : 354 2004

LIN WH

[Gas permeability, diffusivity, solubility, and aging characteristics of 6FDA-durene polyimide membranes](#)

JOURNAL OF MEMBRANE SCIENCE 186 : 183 2001

LIN WH

[Gas transport properties of 6FDA-durene/1,4-phenylenediamine \(pPDA\) copolyimides](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 2703 2000

LIU SL

[Effect of diamine composition on the gas transport properties in 6FDA-durene/3,3'-diaminodiphenyl sulfone copolyimides](#)

JOURNAL OF MEMBRANE SCIENCE 202 : 165 2002

LIU Y

[Effects of amidation on gas permeation properties of polyimide membranes](#)

JOURNAL OF MEMBRANE SCIENCE 214 : 83 2003

LIU Y

[Chemical cross-linking modification of polyimide membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 189 : 231 2001

SHAO L

[The effects of 1,3-cyclohexanebis\(methylamine\) modification on gas transport and plasticization resistance of polyimide membranes](#)

JOURNAL OF MEMBRANE SCIENCE 267 : 78 2005

213-214. Title: **Carbon nanotube composite membranes of brominated poly(2,6-diphenyl-1,4-phenylene oxide) for gas separation**

Author(s): [Cong HL](#) (Cong, Hailin), [Zhang JM](#) (Zhang, Jianmin), [Radosz M](#) (Radosz, Maciej), [Shen YQ](#) (Shen, Youqing)

Source: JOURNAL OF MEMBRANE SCIENCE 294 (1-2): 178-185 MAY 15 2007

CHUNG TS

[Characterization of permeability and sorption in Matrimid/C-60 mixed matrix membranes](#)

JOURNAL OF MEMBRANE SCIENCE 211 : 91 2003

LIN WH

[Gas transport properties of 6FDA-durene/1,4-phenylenediamine \(pPDA\) copolyimides](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 2703 2000

215. Title: **Partially biodegradable temperature-and pH-responsive poly(N-isopropylacrylamide)/dextran-maleic acid hydrogels: formulation and controlled drug delivery of doxorubicin**

Author(s): [Namkung S](#) (Namkung, Sun), [Chu CC](#) (Chu, Chih-Chang)

Source: JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION 18 (7): 901-924 JUL 2007  
ZHANG XZ

[The influence of cold treatment on properties of temperature-sensitive poly\(N-isopropylacrylamide\) hydrogels](#)

JOURNAL OF COLLOID AND INTERFACE SCIENCE 246 : 105 2002

216. Title: **In vivo evaluation of an ultra-thin polycaprolactone film as a wound dressing**

Author(s): [Ng KW](#) (Ng, Kee Woei), [Achuth HN](#) (Achuth, Hosur N.), [Moochhala S](#) (Moochhala, Shabbir), [Lim TC](#) (Lim, Thiam Chye), [Hutmacher DW](#) (Hutmacher, Dietmar W.)

Source: JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION 18 (7): 925-938 JUL 2007

NG CS

[Simultaneous biaxial drawing of poly \(epsilon-caprolactone\) films](#)

POLYMER 41 : 5855 2000

217-218. Title: **Synthesis and properties of hydrogen-bonded poly(amide-imide) hybrid films**

Author(s): [Tsai MH](#) (Tsai, Mei-Hui), [Huan SL](#) (Huan, Shih-Liang), [Lin JCM](#) (Lin, J. C. Muti), [Ko CJ](#) (Ko, Cheng-Jung), [Chen YL](#) (Chen, Ying-Ling), [Lu CM](#) (Lu, Chun-Mei), [Chen CJ](#) (Chen, Chiou-Juy), [Yeni CH](#) (Yeni, Chia-Hui)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 105 (6): 3689-3697 SEP 15 2007

CHUNG TS

[PAMAM dendrimer-induced cross-linking modification of polyimide membranes](#)

LANGMUIR 20 : 2966 2004

LIU Y

[Chemical cross-linking modification of polyimide membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 189 : 231 2001

219. Title: **Effect of PVP additive on PVDF/TPU blend hollow fibre membranes by phase inversion**

Author(s): [Yuan Z](#) (Yuan, Zhou), [Xi DL](#) (Xi, Dan-Li)

Source: IRANIAN POLYMER JOURNAL 16 (4): 241-250 APR 2007

XU ZL

[Effect of polyvinylpyrrolidone molecular weights on morphology, oil/water separation, mechanical and thermal properties of polyetherimide/polyvinylpyrrolidone hollow fiber membranes](#)

220. JOURNAL OF APPLIED POLYMER SCIENCE 74 : 2220 1999

Title: **Synthesis and characterization of thermosensitive hydrogels with both supramolecular and hyperbranched structures**

Author(s): [Zhang P](#) (Zhang, Ping), [Liu QF](#) (Liu, Qunfeng), [Lan YX](#) (Lan, Yanxun), [Shi JB](#) (Shi, Jianbo), [Lu MG](#) (Lu, Mangeng)

Source: E-POLYMERS Art. No. 078 AUG 3 2007

ZHANG XZ

[Dynamic properties of temperature-sensitive poly\(N-isopropylacrylamide\) gel cross-linked through siloxane linkage](#)

LANGMUIR 17 : 12 2001

221. Title: **Encapsulation of proteins in biodegradable polymeric microparticles using electrospray in the Taylor Cone-Jet mode**

Author(s): [Xie JW](#) (Xie, Jingwei), [Wang CH](#) (Wang, Chi-Hwa)

Source: BIOTECHNOLOGY AND BIOENGINEERING 97 (5): 1278-1290 AUG 1 2007

YANG YY

[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

BIOMATERIALS 22 : 231 2001

222. Title: **PEGylated rosin derivatives: Novel microencapsulating materials for sustained drug delivery**

Author(s): [Morkhade DM](#) (Morkhade, Dinesh M.), [Nande VS](#) (Nande, Vishwanath S.), [Barabde UV](#) (Barabde, Umesh V.), [Patil AT](#) (Patil, Arun T.), [Joshi SB](#) (Joshi, Siddheshwar B.)

Source: AAPS PHARMSCITECH 8 (2): Art. No. 47 2007

YANG YY

[Effect of preparation conditions on morphology and release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion method](#)

CHEMICAL ENGINEERING SCIENCE 55 : 2223 2000

223. Title: **Microfluidic consecutive flow-focusing droplet generators**

Author(s): [Seo M](#) (Seo, Minseok), [Paquet C](#) (Paquet, Chantal), [Nie ZH](#) (Nie, Zhihong), [Xu SQ](#) (Xu, Shengqing), [Kumacheva E](#) (Kumacheva, Eugenia)

Source: SOFT MATTER 3 (8): 986-992 2007

YANG YY

[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

BIOMATERIALS 22 : 231 2001

224. Title: **Preparation, characterization and applications of ultrathin cellulose acetate Langmuir-Blodgett films**

Author(s): [Cohen-Atiya M](#) (Cohen-Atiya, Meirav), [Vadgama P](#) (Vadgama, Pankaj), [Mandler D](#) (Mandler, Daniel)

Source: SOFT MATTER 3 (8): 1053-1063 2007

CHUNG TS

[Development of cellulose acetate membranes for bacteria immobilization to remove phenol](#)

JOURNAL OF APPLIED POLYMER SCIENCE 68 : 1677 1998

225. Title: **Effect of the cross-linking degree on the morphology of poly(NIPAAm-co-AAc) hydrogels**

Author(s): [da Silva R](#) (da Silva, Regiane), [de Oliveira MG](#) (de Oliveira, Marcelo Ganzarolli)

Source: POLYMER 48 (14): 4114-4122 JUN 29 2007

ZHANG XZ

[Thermosensitive poly\(N-isopropylacrylamide-co-acrylic acid\) hydrogels with expanded network structures and improved oscillating swelling-deswelling properties](#)

LANGMUIR 18 : 2013 2002

226-227. Title: **Synthesis and structure-property relationships of fluorinated poly(ether imide)s as electret materials**

Author(s): [Erhard DP](#) (Erhard, Dominik P.), [Giesa R](#) (Giesa, Reiner), [Altstadt V](#) (Altstaedt, Volker), [Schmidt HW](#) (Schmidt, Hans-Werner)

Source: MACROMOLECULAR CHEMISTRY AND PHYSICS 208 (14): 1522-1529 JUL 19 2007

VORA RH

[Synthesis and properties of fluoro-polyetherimides](#)

POLYMER ENGINEERING AND SCIENCE 40 : 1318 2000

VORA RH

[Synthesis and properties of designed low-k fluoro-copolyetherimides. Part 1](#)

ADVANCED FUNCTIONAL MATERIALS 11 : 361 2001

228-229. Title: **Gas permeability and selectivity of benzophenone aromatic isophthalic copolyamides**

Author(s): [Carrera-Figueiras C](#) (Carrera-Figueiras, Cristian), [Aguilar-Vega M](#) (Aguilar-Vega, Manuel)

Source: JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 45 (15): 2083-2096 AUG 1 2007

LIN WH

[Gas transport properties of 6FDA-durene/1,4-phenylenediamine \(pPDA\) copolyimides](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 2703 2000

- LIU SL  
[The physical and gas permeation properties of 6FDA-durene/2,6-diaminotoluene copolyimides](#)  
POLYMER 42 : 8847 2001
230. Title: **Sodium fusidate-poly(D,L-lactide-co-glycolide) microspheres: Preparation, characterisation and in vivo evaluation of their effectiveness in the treatment of chronic osteomyelitis**  
Author(s): [Cevher E](#) (Cevher, Erdal), [Orhan Z](#) (Orhan, Zafer), [Sensoy D](#) (Sensoy, Demet), [Ahiskali R](#) (Ahiskali, Rengin), [Kan PL](#) (Kan, Pei Lee), [Sagirli O](#) (Sagirli, Olcay), [Mulazimoglu L](#) (Mulazimoglu, Lutfiye)  
Source: JOURNAL OF MICROENCAPSULATION 24 (6): 577-595 2007  
YANG YY  
[POE-PEG-POE triblock copolymeric microspheres containing protein - I. Preparation and characterization](#)  
JOURNAL OF CONTROLLED RELEASE 75 : 115 2001
231. Title: **Highly gas permselective polyetherketone hollow fibre membranes using aqueous sulfuric acid solution as coagulant**  
Author(s): [Yang J](#) (Yang, Jiping), [Brown PJ](#) (Brown, Philip J.)  
Source: E-POLYMERS Art. No. 076 JUL 30 2007  
SHIEH JJ  
[Effect of liquid-liquid demixing on the membrane morphology, gas permeation, thermal and mechanical properties of cellulose acetate hollow fibers](#)  
JOURNAL OF MEMBRANE SCIENCE 140 : 67 1998
232. Title: **Zirconia hollow fiber: Preparation, characterization, and microextraction application**  
Author(s): [Xu L](#) (Xu, Li), [Lee HK](#) (Lee, Hian Kee)  
Source: ANALYTICAL CHEMISTRY 79 (14): 5241-5248 JUL 15 2007  
QIN JJ  
[Effect of dope flow rate on the morphology, separation performance, thermal and mechanical properties of ultrafiltration hollow fibre membranes](#)  
JOURNAL OF MEMBRANE SCIENCE 157 : 35 1999
- 233-234. Title: **Effect of pressure on the aging of dense (PPO) membranes**  
Author(s): [Alsari A](#) (Alsari, Alsdeg), [Kruczek B](#) (Kruczek, B.), [Matsuura T](#) (Matsuura, T.)  
Source: SEPARATION SCIENCE AND TECHNOLOGY 42 (12): 2567-2582 2007  
Document Type: Article  
CHUNG TS  
[The ageing phenomenon of polyethersulphone hollow fibre membranes for gas separation and their characteristics](#)  
JOURNAL OF MEMBRANE SCIENCE 152 : 175 1999  
ZHOU C  
[A governing equation for physical aging of thick and thin fluoropolyimide films](#)  
JOURNAL OF APPLIED POLYMER SCIENCE 92 : 1758 2004
235. Title: **Microstructure and nematic transition in thermotropic liquid crystalline fibers and their single polymer composites**  
Author(s): [Kalfon-Cohen E](#) (Kalfon-Cohen, Estelle), [Marom G](#) (Marom, Gad), [Weinberg A](#) (Weinberg, Amotz), [Wachtel E](#) (Wachtel, Ellen), [Migliaresi C](#) (Migliaresi, Claudio), [Pegoretti A](#) (Pegoretti, Alessandro)  
Source: POLYMERS FOR ADVANCED TECHNOLOGIES 18 (9): 771-779 SEP 2007  
CHUNG TS  
[THE RECENT DEVELOPMENTS OF THERMOTROPIC LIQUID-CRYSTALLINE POLYMERS](#)  
POLYMER ENGINEERING AND SCIENCE 26 : 901 1986

236. Title: **Blending chitosan with polycaprolactone: Porous scaffolds and toxicity**  
Author(s): [Sarasam AR](#) (Sarasam, Aparna R.), [Samli AI](#) (Samli, Afshan I.), [Hess L](#) (Hess, Linda), [Ihnat MA](#) (Ihnat, Michael A.), [Madihally SV](#) (Madihally, Sundararajan V.)  
Source: MACROMOLECULAR BIOSCIENCE 7 (9-10): 1160-1167 SEP 11 2007  
NG CS  
[Simultaneous biaxial drawing of poly \(epsilon-caprolactone\) films](#)  
POLYMER 41 : 5855 2000
237. Title: **Statistical analysis of data from accelerated ageing tests of PES UF membranes**  
Author(s): [Zondervan E](#) (Zondervan, Edwin), [Zwijnenburg A](#) (Zwijnenburg, Arie), [Roffel B](#) (Roffel, Brian)  
Source: JOURNAL OF MEMBRANE SCIENCE 300 (1-2): 111-116 AUG 15 2007  
CHUNG TS  
[The ageing phenomenon of polyethersulphone hollow fibre membranes for gas separation and their characteristics](#)  
JOURNAL OF MEMBRANE SCIENCE 152 : 175 1999
238. Title: **Near infrared spectroscopy: A novel technique for classifying and characterizing polysulfone membranes**  
Author(s): [Conesa A](#) (Conesa, A.), [Gumi T](#) (Gumi, T.), [Coello J](#) (Coello, J.), [Palet C](#) (Palet, C.)  
Source: JOURNAL OF MEMBRANE SCIENCE 300 (1-2): 122-130 AUG 15 2007  
LI DF  
[Thickness dependence of macrovoid evolution in wet phase-inversion asymmetric membranes](#)  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 43 : 1553 2004
239. Title: **Nano-ferrosporges for controlled drug release**  
Author(s): [Hu SH](#) (Hu, Shang-Hsiu), [Liu TY](#) (Liu, Ting-Yu), [Liu DM](#) (Liu, Dean-Mo), [Chen SY](#) (Chen, San-Yuan)  
Source: JOURNAL OF CONTROLLED RELEASE 121 (3): 181-189 AUG 28 2007  
ZHANG XZ  
[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)  
LANGMUIR 17 : 6094 2001
240. Title: **Vitamin-loaded electrospun cellulose acetate nanofiber mats as transdermal and dermal therapeutic agents. of vitamin A acid and vitamin E**  
Author(s): [Taepaiboon P](#) (Taepaiboon, Pattama), [Rungsardthong U](#) (Rungsardthong, Uracha), [Supaphol P](#) (Supaphol, Pitt)  
Source: EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS 67 (2): 387-397 SEP 2007  
WANG FJ  
[Cellulose acetate membranes for transdermal delivery of scopolamine base](#)  
MATERIALS SCIENCE & ENGINEERING C-BIOMIMETIC AND SUPRAMOLECULAR SYSTEMS 20 : 93 2002
241. Title: **High-performance functional copolymers based on flora and fauna**  
Author(s): [Kaneko T](#) (Kaneko, Tatsuo)  
Source: CHEMICAL RECORD 7 (4): 210-219 2007  
CHUNG TS  
[THE RECENT DEVELOPMENTS OF THERMOTROPIC LIQUID-CRYSTALLINE POLYMERS](#)  
POLYMER ENGINEERING AND SCIENCE 26 : 901 1986
242. Title: **Mechanical reinforcement of polyethylene using polyethylene-grafted multiwalled carbon nanotubes**  
Author(s): [Yang BX](#) (Yang, Bing-Xing), [Pramoda KP](#) (Pramoda, Kumari Pallathadka), [Xu GQ](#) (Xu, Guo Qin), [Goh SH](#) (Goh, Suat Hong)

Source: ADVANCED FUNCTIONAL MATERIALS 17 (13): 2062-2069 SEP 3 2007  
VORA RH  
[Synthesis and properties of designed low-k fluoro-copolyetherimides. Part 1](#)  
ADVANCED FUNCTIONAL MATERIALS 11 : 361 2001

243-6. Title: **Polymeric membranes for nanofiltration in polar aprotic solvents**

Author(s): [Toh YHS](#) (Toh, Y. H. See), [Lim FW](#) (Lim, F. W.), [Livingston AG](#)  
(Livingston, A. G.)

Source: JOURNAL OF MEMBRANE SCIENCE 301 (1-2): 3-10 SEP 1 2007

CHUNG TS

RAPID COMMUN 27 : 998 2006

LIU Y

[Chemical cross-linking modification of polyimide membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 189 : 231 2001

QIAO XY

[Fabrication and characterization of BTDA-TDI/MDI \(P84\) co-polyimide membranes for the pervaporation dehydration of isopropanol](#)

JOURNAL OF MEMBRANE SCIENCE 264 : 176 2005

TIN PS

[Effects of cross-linking modification on gas separation performance of Matrimid membranes](#)

JOURNAL OF MEMBRANE SCIENCE 225 : 77 2003

247-248. Title: **Tuning of hollow fiber membrane properties using different bore fluids**

Author(s): [Tasselli F](#) (Tasselli, F.), [Drioli E](#) (Drioli, E.)

Source: JOURNAL OF MEMBRANE SCIENCE 301 (1-2): 11-18 SEP 1 2007

CHUNG TS

[Effect of air-gap distance on the morphology and thermal properties of polyethersulfone hollow fibers](#)

JOURNAL OF APPLIED POLYMER SCIENCE 66 : 1067 1997

XU ZL

[Effect of polyvinylpyrrolidone molecular weights on morphology, oil/water separation, mechanical and thermal properties of polyetherimide/polyvinylpyrrolidone hollow fiber membranes](#)

JOURNAL OF APPLIED POLYMER SCIENCE 74 : 2220 1999

249. Title: **Preparation and characterization of biodegradable antibiotic-containing poly (epsilon-caprolactone) microcapsules**

Author(s): [Jin FL](#) (Jin, Fan-Long), [Park SJ](#) (Park, Soo-Jin)

Source: JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY 13 (4): 608-613 JUL 2007

YANG YY

[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

BIOMATERIALS 22 : 231 2001

250-255. Title: **Matrimid polyimide membranes for the separation of carbon dioxide from methane**

Author(s): [Sridhar S](#) (Sridhar, S.), [Veerapur RS](#) (Veerapur, R. S.), [Patil MB](#) (Patil, M. B.), [Gudasi KB](#)  
(Gudasi, K. B.), [Aminabhavi TM](#) (Aminabhavi, T. M.)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 106 (3): 1585-1594 NOV 5 2007  
CHUNG TS  
[Characterization of permeability and sorption in Matrimid/C-60 mixed matrix membranes](#)  
JOURNAL OF MEMBRANE SCIENCE 211 : 91 2003  
JIANG LY  
[Fabrication of Matrimid/polyethersulfone dual-layer hollow fiber membranes for gas separation](#)  
JOURNAL OF MEMBRANE SCIENCE 240 : 91 2004  
TIN PS  
[Separation of CO<sub>2</sub>/CH<sub>4</sub> through carbon molecular sieve membranes derived from P84 polyimide](#)  
CARBON 42 : 3123 2004  
TIN PS  
[Effects of cross-linking modification on gas separation performance of Matrimid membranes](#)  
JOURNAL OF MEMBRANE SCIENCE 225 : 77 2003  
TIN PS  
MICROPOR MESOPOR MAT 73 : 151 2004  
WANG R  
[Characterization of hollow fiber membranes in a permeator using binary gas mixtures](#)  
CHEMICAL ENGINEERING SCIENCE 57 : 967 2002

256. Title: **Multi-step dip-spin coating manufacturing system for silicone cardiovascular membrane fabrication with prescribed compliance**

Author(s): [Cortez MA](#) (Cortez, Miguel A.), [Quintana R](#) (Quintana, Rolando), [Wicker RB](#) (Wicker, Ryan B.)

Source: INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY 34 (7-8): 667-679 OCT 2007

CHUNG TS

[Fabrication of multi-layer composite hollow fiber membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 152 : 211 1999

257. Title: **Shear-enhanced crystallization of a thermoplastic polyimide derived from 3,3',4,4'-oxydiphthalic dianhydride and 4,4'-oxydianiline**

Author(s): [Zhao GY](#) (Zhao, Guiyan), [Zhang M](#) (Zhang, Min), [Men YF](#) (Men, Yongfeng), [Ding MX](#) (Ding, Mengxian), [Jiang W](#) (Jiang, Wei)

Source: JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 45 (17): 2344-2349 SEP 1 2007

LIU SL

[Crystallization kinetics of a thermotropic liquid crystalline polyimide derived from 1,3-bis\[4-\(4'-aminophenoxy\) cumyl\] benzene](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 36 : 1679 1998

258. Title: **Fabrication, fouling and foulant analyses of asymmetric polysulfone (PSF) ultrafiltration membrane fouled with natural organic matter (NOM) source waters**

Author(s): [Zularisam AW](#) (Zularisam, A. W.), [Ismail AF](#) (Ismail, A. F.), [Salim MR](#) (Salim, M. R.), [Sakinah M](#) (Sakinah, Mimi), [Hiroaki O](#) (Hiroaki, O.)

Source: JOURNAL OF MEMBRANE SCIENCE 299 (1-2): 97-113 AUG 1 2007

QIN JJ

[Effect of dope flow rate on the morphology, separation performance, thermal and mechanical properties of ultrafiltration hollow fibre membranes](#)

JOURNAL OF MEMBRANE SCIENCE 157 : 35 1999

259. Title: **Contact measurement of internal fluid flow within poly(n-isopropylacrylamide) gels**

Author(s): [Lin WC](#) (Lin, Wei-Chun), [Shull KR](#) (Shull, Kenneth R.), [Hui CY](#) (Hui, Chung-Yuen), [Lin YY](#) (Lin, Yu-Yun)

Source: JOURNAL OF CHEMICAL PHYSICS 127 (9): Art. No. 094906 SEP 7 2007

ZHANG XZ

[Thermosensitive poly\(N-isopropylacrylamide-co-acrylic acid\) hydrogels with expanded network](#)

[structures and improved oscillating swelling-deswelling properties](#)  
LANGMUIR 18 : 2013 2002

260. Title: **Water flux, DSC, and cytotoxicity characterization of membranes of cellulose acetate produced from sugar cane bagasse, using PEG 600**

Author(s): [Rodrigues G](#) (Rodrigues Filho, Guimes), [Toledo LC](#) (Toledo, Leandra Cardoso), [Cerqueira DA](#) (Cerqueira, Daniel Alves), [de Assuncao RMN](#) (de Assuncao, Rosana Maria Nascimento), [Meireles CD](#) (Meireles, Carla da Silva), [Otaguro H](#) (Otaguro, Harumi), [Rogerio SO](#) (Rogerio, Sizue Ota), [Lugao AB](#) (Lugao, Ademar Benevolo)

Source: POLYMER BULLETIN 59 (1): 73-81 JUN 2007

WANG FJ

[Cellulose acetate membranes for transdermal delivery of scopolamine base](#)

MATERIALS SCIENCE & ENGINEERING C-BIOMIMETIC AND SUPRAMOLECULAR SYSTEMS 20 : 93 2002

261. Title: **Release characteristics of four model drugs from drug-loaded electrospun cellulose acetate fiber mats**

Author(s): [Tungprapa S](#) (Tungprapa, Santi), [Jangchud I](#) (Jangchud, Ittipol), [Supaphol P](#) (Supaphol, Pitt)

Source: POLYMER 48 (17): 5030-5041 AUG 10 2007

WANG FJ

[Cellulose acetate membranes for transdermal delivery of scopolamine base](#)

MATERIALS SCIENCE & ENGINEERING C-BIOMIMETIC AND SUPRAMOLECULAR SYSTEMS 20 : 93 2002

262. Title: **Hypochlorite cleaning causes degradation of polymer membranes**

Author(s): [Arkhangelsky E](#) (Arkhangelsky, Elizabeth), [Kuzmenko D](#) (Kuzmenko, Denis), [Gitis NV](#) (Gitis, Norm V.), [Vinogradov M](#) (Vinogradov, Michael), [Kuiry S](#) (Kuiry, Suresh), [Gitis V](#) (Gitis, Vitaly)

Source: TRIBOLOGY LETTERS 28 (2): 109-116 NOV 2007

CHUNG TS

[Effect of shear rate within the spinneret on morphology, separation performance and mechanical properties of ultrafiltration polyethersulfone hollow fiber membranes](#)

CHEMICAL ENGINEERING SCIENCE 55 : 1077 2000

263: Title: **Ultrafiltration of kiwifruit juice using modified poly(ether ether ketone) hollow fibre membranes**

Author(s): [Tasselli F](#) (Tasselli, F.), [Cassano A](#) (Cassano, A.), [Drioli E](#) (Drioli, E.)

Source: SEPARATION AND PURIFICATION TECHNOLOGY 57 (1): 94-102 OCT 1 2007

CHUNG TS

[Effect of shear rate within the spinneret on morphology, separation performance and mechanical properties of ultrafiltration polyethersulfone hollow fiber membranes](#)

CHEMICAL ENGINEERING SCIENCE 55 : 1077 2000

264. Title: **Controlled release of recombinant human nerve growth factor (rhNGF) from poly[(lactic acid)-co-(glycolic acid)] microspheres for the treatment of neurodegenerative disorders**

Author(s): [Gu H](#) (Gu, Haigang), [Song C](#) (Song, Cunxian), [Long D](#) (Long, Dahong), [Mei L](#) (Mei, Lin), [Sun H](#) (Sun, Hongfan)

Source: POLYMER INTERNATIONAL 56 (10): 1272-1280 OCT 2007

YANG YY

[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

BIOMATERIALS 22 : 231 2001

265. Title: **Dual mode model for mixed gas permeation of CO<sub>2</sub>, H<sub>2</sub>, and N<sub>2</sub> through a dry chitosan membrane**

Author(s): [El-Azzami LA](#) (El-Azzami, Louei A.), [Gulke EA](#) (Gulke, Eric A.)

Source: JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 45 (18): 2620-2631 SEP 15 2007

SHIEH JJ

[Gas permeability, diffusivity, and solubility of poly\(4-vinylpyridine\) film](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 37 : 2851 1999

266. Title: **Multiple melting behavior of poly(butylene succinate)**

Author(s): [Wang XH](#) (Wang, Xiaohong), [Zhou JJ](#) (Zhou, Jianjun), [Li L](#) (Li, Lin)

Source: EUROPEAN POLYMER JOURNAL 43 (8): 3163-3170 AUG 2007

LIU TX

[Transmission electron microscopy observations on lamellar melting of cold-crystallized isotactic polystyrene](#)

MACROMOLECULES 34 : 4305 2001

267. Title: **Polycondensation of 'a-b(n)' or 'a(2)+b(n)' Monomers - A comparison**

Author(s): [Kricheldorf HR](#) (Kricheldorf, Hans R.)

Source: MACROMOLECULAR RAPID COMMUNICATIONS 28 (18-19): 1839-1870 SEP 18 2007

LIU Y

[Facile synthesis of hyperbranched polyimides from A\(2\)+BB2 ' monomers](#)

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY 40 : 4563 2002

268. Title: **Effect of organoclay on the orientation and thermal properties of liquid-crystalline polymers**

Author(s): [Bandyopadhyay J](#) (Bandyopadhyay, Jayita), [Ray SS](#) (Ray, Suprakas Sinha), [Bousmina M](#) (Bousmina, Mosto)

Source: MACROMOLECULAR CHEMISTRY AND PHYSICS 208 (18): 1979-1991 SEP 20 2007

CHUNG TS

[Thermal analysis of Vectra B950 liquid crystal polymer](#)

POLYMER ENGINEERING AND SCIENCE 39 : 953 1999

269-270. Title: **Effects of the addition of small amounts of a thermotropic liquid crystalline polymer on the processing characteristics of polyphenylene oxide-polyamide alloys**

Author(s): [Ruggiero V](#) (Ruggiero, Vera), [Acierno D](#) (Acierno, Domenico)

Source: ADVANCES IN POLYMER TECHNOLOGY 26 (2): 109-120 SUM 2007

CHUNG TS

THERMOTROPIC LIQUID : 2001

WANG HM

[Rheological behavior and prediction for blending conditions of a thermotropic liquid crystalline polyester with nylon](#)

POLYMERS FOR ADVANCED TECHNOLOGIES 11 : 153 2000

271. Title: **An integrin-specific collagen-mimetic peptide approach for optimizing Hep3B liver cell adhesion, proliferation, and cellular functions**

Author(s): [Khew ST](#) (Khew, Shih Tak), [Zhu XH](#) (Zhu, Xin Hao), [Tong YW](#) (Tong, Yen Wah)

Source: TISSUE ENGINEERING 13 (10): 2451-2463 OCT 2007

YANG YY

[Effect of preparation temperature on the characteristics and release profiles of PLGA microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

JOURNAL OF CONTROLLED RELEASE 69 : 81 2000

272. Title: **Effect of physical aging on the gas transport properties of poly(methyl methacrylate) membranes**

Author(s): [Hu CC](#) (Hu, Chien-Chieh), [Fu YJ](#) (Fu, Ywu-Jang), [Hsiao SW](#) (Hsiao, Sheng-Wen), [Lee KR](#) (Lee, Kueir-Rarn), [Lai JY](#) (Lai, Juin-Yih)

Source: JOURNAL OF MEMBRANE SCIENCE 303 (1-2): 29-36 OCT 15 2007

CHUNG TS

[Aging phenomenon of 6FDA-polyimide/polyacrylonitrile composite hollow fibers](#)

JOURNAL OF APPLIED POLYMER SCIENCE 59 : 77 1996

273-275. Title: **Separation of CO<sub>2</sub> from CH<sub>4</sub> by using gas-liquid membrane contacting process**

Author(s): [Atchariyawut S](#) (Atchariyawut, Supakorn), [Jiratananon R](#) (Jiratananon, Ratana), [Wang R](#) (Wang, Rong)

Source: JOURNAL OF MEMBRANE SCIENCE 304 (1-2): 163-172 NOV 1 2007

CAO C

[Chemical cross-linking modification of 6FDA-2,6-DAT hollow fiber membranes for natural gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 216 : 257 2003

CHUNG TS

[Development of asymmetric 6FDA-2,6DAT hollow fiber membranes for CO\(2\)/CH<sub>4</sub> separation Part 2. Suppression of plasticization](#)

JOURNAL OF MEMBRANE SCIENCE 214 : 57 2003

WANG R

[Modeling of CO<sub>2</sub> capture by three typical amine solutions in hollow fiber membrane contactors](#)

CHEMICAL ENGINEERING AND PROCESSING 43 : 849 2004

276-282. Title: **Effect of molecular weight and concentration of PEG additives on morphology and permeation performance of cellulose acetate hollow fibers**

Author(s): [Chou WL](#) (Chou, Wen-Li), [Yu DG](#) (Yu, Da-Guang), [Yang MC](#) (Yang, Ming-Chien), [Jou CH](#) (Jou, Chi-Hsiung)

Source: SEPARATION AND PURIFICATION TECHNOLOGY 57 (2): 209-219 OCT 15 2007

CHUNG TS

[The effects of spinning conditions on asymmetric 6FDA/6FDAM polyimide hollow fibers for air separation](#)

JOURNAL OF APPLIED POLYMER SCIENCE 65 : 1555 1997

CHUNG TS

[Formation of ultrathin high-performance polyethersulfone hollow-fiber membranes](#)

JOURNAL OF MEMBRANE SCIENCE 133 : 161 1997

CHUNG TS

[DEVELOPMENT OF A DEFECT-FREE 6FDA-DURENE ASYMMETRIC HOLLOW-FIBER AND ITS COMPOSITE HOLLOW FIBERS](#)

JOURNAL OF MEMBRANE SCIENCE 88 : 21 1994

CHUNG TS

[DEVELOPMENT OF ASYMMETRIC HOLLOW FIBERS FROM POLYIMIDES FOR AIR SEPARATION](#)

JOURNAL OF MEMBRANE SCIENCE 75 : 181 1992

LI DF

[Morphological aspects and structure control of dual-layer asymmetric hollow fiber membranes formed by a simultaneous co-extrusion approach](#)

JOURNAL OF MEMBRANE SCIENCE 243 : 155 2004

QIN JJ

[Effect of dope flow rate on the morphology, separation performance, thermal and mechanical properties of ultrafiltration hollow fibre membranes](#)

JOURNAL OF MEMBRANE SCIENCE 157 : 35 1999

XU ZL

[Effect of polyvinylpyrrolidone molecular weights on morphology, oil/water separation, mechanical and thermal properties of polyetherimide/polyvinylpyrrolidone hollow fiber membranes](#)

JOURNAL OF APPLIED POLYMER SCIENCE 74 : 2220 1999

283. Title: **Gas permeation in amine functionalized silicon rubber membranes**

Author(s): [Achalpurkar MP](#) (Achalpurkar, Manoj P.), [Kharul UK](#) (Kharul, Ulhas K.), [Lohokare HR](#) (Lohokare, Harshada R.), [Karadkar PB](#) (Karadkar, Prasad B.)

Source: SEPARATION AND PURIFICATION TECHNOLOGY 57 (2): 304-313 OCT 15 2007  
CHUNG TS

[A review of microporous composite polymeric membrane technology for air-separation](#)  
POLYMERS & POLYMER COMPOSITES 4 : 269 1996

284. Title: **Structure and mechanical properties of directly injection-molded blends of poly(ether imide) and polysulfone of bisphenol A**

Author(s): [Ramiro J](#) (Ramiro, Jorge), [Eguiazabal JI](#) (Eguiazabal, Jose Ignacio), [Nazabal J](#) (Nazabal, Jon)  
Source: MACROMOLECULAR MATERIALS AND ENGINEERING 292 (10-11): 1059-1066 OCT 22 2007

CHUNG TS

[POLYBENZIMIDAZOLE AND POLYSULFONE BLENDS](#)  
POLYMER ENGINEERING AND SCIENCE 33 : 1042 1993

285. Title: **Interpenetrating thermo and pH stimuli-responsive polymer networks of PAAc/PNIPAAm grafted onto PP**

Author(s): [Ruiz JC](#) (Ruiz, Juan-Carlos), [Burillo G](#) (Burillo, Guillermina), [Bucio E](#) (Bucio, Emilio)  
Source: MACROMOLECULAR MATERIALS AND ENGINEERING 292 (10-11): 1176-1188 OCT 22 2007

ZHANG XZ

[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)  
LANGMUIR 17 : 6094 2001

286. Title: **Novel synthesis of macroporous Poly(N-isopropylacrylamide) hydrogels using oil-in-water emulsions**

Author(s): [Tokuyama H](#) (Tokuyama, Hideaki), [Kanehara A](#) (Kanehara, Akifumi)  
Source: LANGMUIR 23 (22): 11246-11251 OCT 23 2007

ZHANG XZ

[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)  
LANGMUIR 17 : 6094 2001

287. Title: **Alkyl chain length dependent hydrogelation of L-tryptophan-based amphiphile**

Author(s): [Roy S](#) (Roy, Sangita), [Dasgupta A](#) (Dasgupta, Antara), [Das PK](#) (Das, Prasanta Kumar)  
Source: LANGMUIR 23 (23): 11769-11776 NOV 6 2007

ZHANG XZ

[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)  
LANGMUIR 17 : 6094 2001

288. Title: **Synthesis and characterization of colorless polyimide nanocomposite films**

Author(s): [Ju CH](#) (Ju, Chul Ha), [Kim JC](#) (Kim, Jeong-Cheol), [Chang JH](#) (Chang, Jin-Hae)  
Source: JOURNAL OF APPLIED POLYMER SCIENCE 106 (6): 4192-4201 DEC 15 2007

QU WL

[Effect of polyimides with different ratios of para- to meta- analogous fluorinated diamines on relaxation process](#)  
POLYMER 42 : 6393 2001

289-290. Title: **Improvement of a bovine serum albumin microencapsulation process by screening design**

Author(s): [Al Haushey L](#) (Al haushey, L.), [Bolzinger MA](#) (Bolzinger, M. A.), [Bordes C](#) (Bordes, C.), [Gauvrit JY](#) (Gauvrit, J. Y.), [Briancon S](#) (Briancon, S.)

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS 344 (1-2): 16-25 NOV 1 2007

YANG YY

[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

BIOMATERIALS 22 : 231 2001

YANG YY

[Effect of preparation conditions on morphology and release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion method](#)

CHEMICAL ENGINEERING SCIENCE 55 : 2223 2000

291. Title: **Application of different processes for the biodegradation of 1,3-dichloro-2-propanol by the bacterium Pseudomonas putida DSM 437**

Author(s): [Kalogeris E](#) (Kalogeris, E.), [Antzoulatos O](#) (Antzoulatos, O.), [Mamma D](#) (Mamma, D.), [Hatzinikolaou DG](#) (Hatzinikolaou, D. G.), [Christakopoulos P](#) (Christakopoulos, P.), [Kekos D](#) (Kekos, D.)

Source: CHEMICAL AND BIOCHEMICAL ENGINEERING QUARTERLY 21 (3): 297-305 SEP 2007  
LOH KC

[Immobilized-cell membrane bioreactor for high-strength phenol wastewater](#)

JOURNAL OF ENVIRONMENTAL ENGINEERING-ASCE 126 : 75 2000

292. Title: **Poly(epsilon-caprolactone) microparticles formed by the emulsion-evaporation method: effect of the variables of the different steps of the process on their size**

Author(s): [Gutierrez-Pauls L](#) (Gutierrez-Pauls, L.), [Gonzalez-Alvarez I](#) (Gonzalez-Alvarez, I.), [Barone ML](#) (Barone, M. Lareo), [Gil-Alegre ME](#) (Gil-Alegre, M. E.), [Torres-Suarez AI](#) (Torres-Suarez, A. I.)

Source: PHARMAZIE 62 (11): 864-868 NOV 2007

YANG YY

[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

BIOMATERIALS 22 : 231 2001

293. Title: **Synthesis and characterization of hyperbranched polyfluorenes containing triarylpyrazoline cores towards efficient blue light-emitting diodes**

Author(s): [Peng Q](#) (Peng, Qiang), [Yan LS](#) (Yan, Liushui), [Chen DZ](#) (Chen, Dezhi), [Wang FZ](#) (Wang, Fuzhi), [Wang P](#) (Wang, Ping), [Zou DC](#) (Zou, Dechun)

Source: JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY 45 (22): 5296-5307  
NOV 15 2007

LIU Y

[Facile synthesis of hyperbranched polyimides from A\(2\)+BB2 ' monomers](#)

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY 40 : 4563 2002

294. Title: **Proteins combination on PHBV microsphere scaffold to regulate Hep3B cells activity and functionality: A model of liver tissue engineering system**

Author(s): [Zhu XH](#) (Zhu, Xin Hao), [Gan SK](#) (Gan, Seng Keat), [Wang CH](#) (Wang, Chi-Hwa), [Tong YW](#) (Tong, Yen Wah)

Source: JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A 83A (3): 606-616 DEC 1  
2007

YANG YY

[Effect of preparation temperature on the characteristics and release profiles of PLGA microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

JOURNAL OF CONTROLLED RELEASE 69 : 81 2000

295. Title: **Well-defined ladder polymers synthesized via supramolecular architecture and their applications**

Author(s): [Zhou QL](#) (Zhou Qilong), [Yan SK](#) (Yan Shouke), [Xie P](#) (Xie Ping), [Zhang RB](#) (Zhang Rongben)

Source: ACTA POLYMERICA SINICA (10): 918-930 OCT 2007

CAO M

[Novel microencapsulated curing accelerator for prolonging shelf life of epoxy resin composition](#)  
JOURNAL OF APPLIED POLYMER SCIENCE 85 : 873 2002

296. Title: **High optical transparency, low dielectric constant and light color of novel organosoluble polyamides with bulky alicyclic pendent group**

Author(s): [Liaw DJ](#) (Liaw, Der-Jang), [Chen WH](#) (Chen, Wen-Hsiang), [Hu CK](#) (Hu, Chi-Kuang), [Lee KR](#) (Lee, Kueir-Rarn), [Lai JY](#) (Lai, Juin-Yih)

Source: POLYMER 48 (22): 6571-6580 OCT 19 2007

VORA RH

[Synthesis and properties of fluoro-polyetherimides](#)

POLYMER ENGINEERING AND SCIENCE 40 : 1318 2000

297. Title: **Two methods for morphological characterization of internal microcapsule structures**

Author(s): [Torras C](#) (Torras, Carles), [Pitol L](#) (Pitol-Filho, Luizildo), [Garcia-Valls R](#) (Garcia-Valls, Ricard)

Source: JOURNAL OF MEMBRANE SCIENCE 305 (1-2): 1-4 NOV 15 2007

YANG YY

[POE-PEG-POE triblock copolymeric microspheres containing protein - I. Preparation and characterization](#)

JOURNAL OF CONTROLLED RELEASE 75 : 115 2001

298-300. Title: **Fabrication of poly(vinylidene fluoride-co-hexafluoropropylene) (PVDF-HFP) asymmetric microporous hollow fiber membranes**

Author(s): [Shi L](#) (Shi, Lei), [Wang R](#) (Wang, Rong), [Cao YM](#) (Cao, Yiming), [Feng CS](#) (Feng, Chunsheng), [Liang DT](#) (Liang, David Tee), [Tay JH](#) (Tay, Joo Hwa)

Source: JOURNAL OF MEMBRANE SCIENCE 305 (1-2): 215-225 NOV 15 2007

REN JZ

[Development of asymmetric 6FDA-2,6 DAT hollow fiber membranes for CO<sub>2</sub>/CH<sub>4</sub> separation - 1. The influence of dope composition and rheology on membrane morphology and separation performance](#)

JOURNAL OF MEMBRANE SCIENCE 207 : 227 2002

LIU RX

[The development of high performance P84 co-polyimide hollow fibers for pervaporation dehydration of isopropanol](#)

CHEMICAL ENGINEERING SCIENCE 60 : 6674 2005

QIN JJ

[Effects of orientation relaxation and bore fluid chemistry on morphology and performance of polyethersulfone hollow fibers for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 229 : 1 2004

301-302. Title: **Polyethersulfone (PES)/cellulose acetate phthalate (CAP) blend ultrafiltration membranes: Preparation, morphology, performance and antifouling properties**

Author(s): [Rahimpour A](#) (Rahimpour, A.), [Madaeni SS](#) (Madaeni, S. S.)

Source: JOURNAL OF MEMBRANE SCIENCE 305 (1-2): 299-312 NOV 15 2007

XU ZL

[Effect of polyvinylpyrrolidone molecular weights on morphology, oil/water separation, mechanical and thermal properties of polyetherimide/polyvinylpyrrolidone hollow fiber membranes](#)

JOURNAL OF APPLIED POLYMER SCIENCE 74 : 2220 1999

XU ZL

[Polymeric asymmetric membranes made from polyetherimide/polybenzimidazole/poly\(ethylene glycol\) \(PEI/PBI/PEG\) for oil-surfactant-water separation](#)

JOURNAL OF MEMBRANE SCIENCE 158 : 41 1999

303-311. Title: **Novel copolyimide membranes for gas separation**

Author(s): [Wang L](#) (Wang, Lina), [Cao YM](#) (Cao, Yiming), [Zhou MQ](#) (Zhou, Meiqing), [Zhou SJ](#) (Zhou, Shaojun James), [Yuan Q](#) (Yuan, Quan)

Source: JOURNAL OF MEMBRANE SCIENCE 305 (1-2): 338-346 NOV 15 2007

CHUNG TS

[Gas transport properties of 6FDA-durene/1,3-phenylenediamine \(mPDA\) copolyimides](#)

JOURNAL OF APPLIED POLYMER SCIENCE 81 : 3552 2001

CHUNG TS

[The effect of shear rates on gas separation performance of 6FDA-durene polyimide hollow fibers](#)

JOURNAL OF MEMBRANE SCIENCE 167 : 55 2000

CHUNG TS

[DEVELOPMENT OF A DEFECT-FREE 6FDA-DURENE ASYMMETRIC HOLLOW-FIBER AND ITS COMPOSITE HOLLOW FIBERS](#)

JOURNAL OF MEMBRANE SCIENCE 88 : 21 1994

CHUNG TS

[DEVELOPMENT OF ASYMMETRIC HOLLOW FIBERS FROM POLYIMIDES FOR AIR SEPARATION](#)

JOURNAL OF MEMBRANE SCIENCE 75 : 181 1992

LIN WH

[Gas transport properties of 6FDA-durene/1,4-phenylenediamine \(pPDA\) copolyimides](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 2703 2000

LI DF

[Fabrication of fluoropolyimide/polyethersulfone \(PES\) dual-layer asymmetric hollow fiber membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 198 : 211 2002

LIU SL

[Effect of diamine composition on the gas transport properties in 6FDA-durene/3,3'-diaminodiphenyl sulfone copolyimides](#)

JOURNAL OF MEMBRANE SCIENCE 202 : 165 2002

LIU SL

[The physical and gas permeation properties of 6FDA-durene/2,6-diaminotoluene copolyimides](#)

POLYMER 42 : 8847 2001

WANG R

[A critical review on diffusivity and the characterization of diffusivity of 6FDA-6FpDA polyimide membranes for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 198 : 259 2002

312. Title: **Ethylenediamino bridged bis(beta-cyclodextrin)/poly(DL-lactic-co-glycolic acid) nanoparticles prepared by modified double emulsion method: Effect of polyvinyl alcohol on nanoparticle properties**

Author(s): [Gao H](#) (Gao, Hui), [Wang YN](#) (Wang, Yinong), [Fan YG](#) (Fan, Yunge), [Ma JB](#) (Ma, Jianbiao)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 107 (1): 571-576 JAN 5 2008

YANG YY

[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

BIOMATERIALS 22 : 231 2001

313. Title: **Preparation of poly(ether sulfone) nanofibers by gas-jet/electrospinning**

Author(s): [Lin Y](#) (Lin, Yi), [Yao YY](#) (Yao, Yongyi), [Yang XZ](#) (Yang, Xiaozhan), [Wei N](#) (Wei, Na), [Li XQ](#) (Li, Xuqing), [Gong P](#) (Gong, Ping), [Li RX](#) (Li, Ruixia), [Wu DC](#) (Wu, Dacheng)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 107 (2): 909-917 JAN 15 2008

LI Y

[Fabrication of dual-layer polyethersulfone \(PES\) hollow fiber membranes with an ultrathin dense-selective layer for gas separation](#)

JOURNAL OF MEMBRANE SCIENCE 245 : 53 2004

314. Title: **Mechanical and thermal properties of Polyimide/Silica hybrids with imide-modified silica network structures**

Author(s): [Khalil M](#) (Khalil, Muhammad), [Saeed S](#) (Saeed, Shaukat), [Ahmad Z](#) (Ahmad, Zahoor)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 107 (2): 1257-1268 JAN 15 2008

PRAMODA KP

[Characterization and thermal degradation of polyimide and polyamide liquid crystalline polymers](#)

POLYMER DEGRADATION AND STABILITY 67 : 365 2000

315-319. Title: **Plasticization suppression in grafted polyimide-epoxy network membranes**

Author(s): [Duthie XJ](#) (Duthie, Xavier J.), [Kentish SE](#) (Kentish, Sandra E.), [Powell CE](#) (Powell, Clem E.),

[Qiao GG](#) (Qiao, Greg G.), [Nagai K](#) (Nagai, Kazukiyo), [Stevens GW](#) (Stevens, Geoff W.)

Source: INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 46 (24): 8183-8192 NOV 21 2007

CHUNG TS

[Gas transport properties of 6FDA-durene/1,3-phenylenediamine \(mPDA\) copolyimides](#)

JOURNAL OF APPLIED POLYMER SCIENCE 81 : 3552 2001

LIN WH

[Gas transport properties of 6FDA-durene/1,4-phenylenediamine \(pPDA\) copolyimides](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 2703 2000

SHAO L

[The effects of 1,3-cyclohexanebis\(methylamine\) modification on gas transport and plasticization resistance of polyimide membranes](#)

JOURNAL OF MEMBRANE SCIENCE 267 : 78 2005

SHAO L

[Polyimide modification by a linear aliphatic diamine to enhance transport performance and plasticization resistance](#)

JOURNAL OF MEMBRANE SCIENCE 256 : 46 2005

320. Title: **Processing and mechanical performance of liquid crystalline polymer/nanofiber monofilaments**

Author(s): [Rohatgi A](#) (Rohatgi, Aashish), [Thomas JP](#) (Thomas, James P.), [Baucom JN](#) (Baucom, Jared N.),

[Pogue WR](#) (Pogue, William R., III), [Cerully LB](#) (Cerully, Laura B.), [Ebenstein DM](#) (Ebenstein, Donna M.),

[Wahl KJ](#) (Wahl, Kathryn J.)

Source: SCRIPTA MATERIALIA 58 (1): 25-28 JAN 2008

CHUNG TS

[FLUID BEHAVIOR AND ORIENTATION DEVELOPMENTS DURING EXTRUSION OF LIQUID-CRYSTAL POLYMERIC RODS](#)

JOURNAL OF POLYMER SCIENCE PART C-POLYMER LETTERS 24 : 299 1986

321. Title: **Synthesis and characterization of side-chain liquid-crystalline poly(ethyleneimine)s with cyanobiphenyl groups**

Author(s): [Xie ML](#) (Xie, Minli), [Zhang CC](#) (Zhang, Chaocan)

Source: LIQUID CRYSTALS 34 (11): 1275-1283 2007

ZHAO L

[Synthesis and characterization of rigid-chain liquid-crystalline polymers containing laterally attached side rods](#)

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY 39 : 1288 2001

322. Title: **Influence of polyelectrolyte on the thermosensitive property of PNIPAAm-based copolymer hydrogels**

Author(s): [Zhang XZ](#) (Zhang, Xian-Zheng), [Chu CC](#) (Chu, Chih-Chang)

Source: JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE 18 (9): 1771-1779 SEP 2007

ZHANG XZ

[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)

LANGMUIR 17 : 6094 2001

323. Title: **The relation between the electrical, chemical, and morphological properties of indium-tin oxide layers and double-layer light-emitting diode performance**  
Author(s): [Vacca P](#) (Vacca, Paolo), [Petrosino M](#) (Petrosino, Mario), [Guerra A](#) (Guerra, Alfredo), [Chierchia R](#) (Chierchia, Rosa), [Minarini C](#) (Minarini, Carla), [Della Sala D](#) (Della Sala, Dario), [Rubino A](#) (Rubino, Alfredo)  
Source: JOURNAL OF PHYSICAL CHEMISTRY C 111 (46): 17404-17408 NOV 22 2007  
MA KX  
[Investigation of surface energy for organic light emitting polymers and indium tin oxide](#)  
THIN SOLID FILMS 371 : 140 2000
324. Title: **Preparation and characterization of radioactive dirhenium decacarbonyl-loaded PLLA nanoparticles for radionuclide intra-tumoral therapy**  
Author(s): [Hamoudeh M](#) (Hamoudeh, Misara), [Salim H](#) (Salim, Hani), [Barbos D](#) (Barbos, Dumitru), [Paunolu C](#) (Paunolu, Coustantin), [Fessi H](#) (Fessi, Hatem)  
Source: EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS 67 (3): 597-611 NOV 2007  
YANG YY  
[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)  
BIOMATERIALS 22 : 231 2001
325. Title: **A new technology for producing hydrogen and adjustable ratio syngas from coke oven gas**  
Author(s): [Shen J](#) (Shen, Jun), [Wang ZZ](#) (Wang, Zhi-Zhong)  
Source: ENERGY & FUELS 21 (6): 3588-3592 NOV-DEC 2007  
WANG R  
[A critical review on diffusivity and the characterization of diffusivity of 6FDA-6FpDA polyimide membranes for gas separation](#)  
JOURNAL OF MEMBRANE SCIENCE 198 : 259 2002
326. Title: **Multifunctional nanocomposites with reduced viscosity**  
Author(s): [Tuteja A](#) (Tuteja, Anish), [Duxbury PM](#) (Duxbury, Phillip M.), [Mackay ME](#) (Mackay, Michael E.)  
Source: MACROMOLECULES 40 (26): 9427-9434 DEC 25 2007  
LU Z  
[Composites of multifunctional benzylaminofullerene with low-density polyethylene](#)  
POLYMER 42 : 5233 2001
327. Title: **Preparation and characterization of poly(phthalazinone ether sulfone ketone) hollow fiber ultrafiltration membrane with high-molecular weight cut-off**  
Author(s): [Jin Z](#) (Jin, Zhao), [Yang DL](#) (Yang, Da Ling), [Zhang SH](#) (Zhang, Shou Hai), [Han XG](#) (Han, Xi Gao)  
Source: JOURNAL OF MEMBRANE SCIENCE 306 (1-2): 253-260 DEC 1 2007  
CHUNG TS  
[Effect of air-gap distance on the morphology and thermal properties of polyethersulfone hollow fibers](#)  
JOURNAL OF APPLIED POLYMER SCIENCE 66 : 1067 1997
328. 1. Title: **Side chain disorder and phase transitions in alkyl-substituted, conjugated oligomers. relation to side-chain melting in P3ATs**  
Author(s): [Curtis MD](#) (Curtis, M. David), [Nanos JI](#) (Nanos, John I.), [Moon H](#) (Moon, Hyunsik), [Jahng WS](#) (Jahng, Woong Sang)  
Source: JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 129 (48): 15072-15084 DEC 5 2007  
LIU SL  
[Crystallization and melting behavior of regioregular poly\(3-dodecylthiophene\)](#)  
POLYMER 41 : 2781 2000

329. Title: **Adhesion modeling on rough low linear density polyethylene**

Author(s): [Meiron TS](#) (Meiron, T. S.), [Saguy IS](#) (Saguy, I. S.)

Source: JOURNAL OF FOOD SCIENCE 72 (9): E485-E491 NOV-DEC 2007

MA KX

[Surface energy of thermotropic liquid crystalline polyesters and polyesteramide](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 36 : 2327 1998

330. Title: **Anomalous release of hydrophilic drugs from poly(epsilon-caprolactone) matrices**

Author(s): [Rosenberg R](#) (Rosenberg, R.), [Devenney W](#) (Devenney, W.), [Siegel S](#) (Siegel, S.), [Dan N](#) (Dan, N.)

Source: MOLECULAR PHARMACEUTICS 4 (6): 943-948 NOV-DEC 2007

YANG YY

[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

BIOMATERIALS 22 : 231 2001

331. Title: **Preparation of biodegradable PLGA nanospheres employing a fast solvent evaporation method**

Author(s): [Jang JY](#) (Jang, Jung Yoon), [Kwon BS](#) (Kwon, Byung Soo), [Lee HE](#) (Lee, Hea Eun), [Kim DH](#) (Kim, Dong Hwan), [Kang HK](#) (Kang, Ho Kyung), [Kang JS](#) (Kang, Jae Seon), [Lee S](#) (Lee, Sangkil), [Choi GJ](#) (Choi, Guang Jin)

Source: JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY 13 (6): 1043-1046 NOV 2007

YANG YY

[Morphology, drug distribution, and in vitro release profiles of biodegradable polymeric microspheres containing protein fabricated by double-emulsion solvent extraction/evaporation method](#)

BIOMATERIALS 22 : 231 2001