

A List of Citations on Prof. (Neal) T. S. Chung's Papers in Year 2006 (Dec 31, 2006)

1. Title: **Synthesis and characterization of a series of thermotropic liquid crystalline copolyester nanocomposites**
Author(s): [Chang JH](#), [Ju CH](#), [Kim SH](#)
Source: JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 44 (2): 387-397 JAN 15 2006
[CHUNG TS](#)
[PLAST ENG 43: 39 1987](#)
2. Title: **Gas transport and thermal characterization of mono- and di-polyethylene films used for food packaging**
Author(s): [Mrkic S](#), [Galic K](#), [Ivankovic M](#), [Hamin S](#), [Cikovic N](#)
Source: JOURNAL OF APPLIED POLYMER SCIENCE 99 (4): 1590-1599 FEB 15 2006
[SHIEH JJ](#)
[Gas permeability, diffusivity, and solubility of poly\(4-vinylpyridine\) film](#)
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 37 : 2851 1999
3. Title: **Design of dense membrane separation units: Computational inconsistencies for variable permeability conditions**
Author(s): [Mauviel G](#), [Vallieres C](#), [Favre E](#)
Source: CHEMICAL ENGINEERING AND PROCESSING 45 (4): 323-328 APR 2006
[WANG R](#)
[Characterization of hollow fiber membranes in a permeator using binary gas mixtures](#)
CHEMICAL ENGINEERING SCIENCE 57 : 967 2002
4. Title: **Crystallization and melting behavior of multi-walled carbon nanotube-reinforced nylon-6 composites**
Author(s): [Phang IY](#), [Ma JH](#), [Shen L](#), [Liu TX](#), [Zhang WD](#)
Source: POLYMER INTERNATIONAL 55 (1): 71-79 JAN 2006
[LIU TX](#)
[A processing-induced clay dispersion and its effect on the structure and properties of polyamide 6](#)
POLYMER INTERNATIONAL 53 : 392 2004
5. Title: **High clay content nanocomposite hydrogels with surprising mechanical strength and interesting deswelling kinetics**
Author(s): [Liu Y](#), [Zhu ME](#), [Liu XL](#), [Zhang W](#), [Sun B](#), [Chen YM](#), [Adler HJP](#)
Source: POLYMER 47 (1): 1-5 JAN 2006
[ZHANG XZ](#)
[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)
LANGMUIR 17 : 6094 2001
6. Title: **Control of the lower critical solution temperature-type consolvency properties of poly(N-isopropylacrylamide) in water-dioxane mixtures through copolymerisation with acrylamide**
Author(s): [Dalkas G](#), [Pagonis K](#), [Bokias G](#)
Source: POLYMER 47 (1): 243-248 JAN 2006
[ZHANG XZ](#)
[Effect of mixed solvents on characteristics of poly\(N-isopropylacrylamide\) gels](#)
LANGMUIR 18 : 2538 2002
7. Title: **Inhibited transesterification and enhanced fibrillation of TLCP by nano-SiO₂ in polycarbonate matrix**
Author(s): [Wu LC](#), [Chen P](#), [Zhang J](#), [He JS](#)

Source: POLYMER 47 (1): 448-456 JAN 2006

MA KX

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

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

8. Title: **A novel positively charged asymmetry membranes from poly (2,6-dimethyl-1,4-phenylene oxide) by benzyl bromination and in situ amination - Part II: Effect of charged group species on membrane performance and morphologies**

Author(s): [Tang BB](#), [Xu TW](#), [Yang WH](#)

Source: JOURNAL OF MEMBRANE SCIENCE 268 (2): 123-131 JAN 15 2006

LI DF

[Thickness dependence of macrovoid evolution in wet phase-inversion asymmetric membranes](#)

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 43 : 1553 2004

9-10. Title: **Influence of post-emulsification drying processes on the microencapsulation of Human Serum Albumin**

Author(s): [Lane ME](#), [Brennan FS](#), [Corrigan OI](#)

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS 307 (1): 16-22 JAN 3 2006

CHEN XQ

[Effects of inner water volume on the peculiar surface morphology of microspheres fabricated by double emulsion technique](#)

JOURNAL OF MICROENCAPSULATION 18 : 637 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

11. Title: **Synthesis and characterization of novel low-k polyimides from aromatic dianhydrides and aromatic diamine containing phenylene ether and perfluorobiphenyl units**

Author(s): [Watanabe Y](#), [Shibasaki Y](#), [Ando S](#), [Ueda M](#)

Source: POLYMER JOURNAL 38 (1): 79-84 2006

VORA RH

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

12-13. Title: **Polyetherimide membrane formation by the cononsolvent system and its biocompatibility of MG63 cell line**

Author(s): [Tao CT](#), [Young TH](#)

Source: JOURNAL OF MEMBRANE SCIENCE 269 (1-2): 66-74 FEB 1 2006

CHUNG TS

[Halo formation in asymmetric polyetherimide and polybenzimidazole blend hollow fiber membranes](#)

SHIEH JJ

[Phase-inversion poly\(ether imide\) membranes prepared from water-miscible/immiscible mixture solvents](#)

INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 38 : 2650 1999

14. Title: **A novel nanofiltration membrane prepared with PAMAM and TMC by in situ interfacial polymerization on PEK-C ultrafiltration membrane**

Author(s): [Li LC](#), [Wang BG](#), [Tan HM](#), [Chen TL](#), [Xu JP](#)

Source: JOURNAL OF MEMBRANE SCIENCE 269 (1-2): 84-93 FEB 1 2006

CHUNG TS

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

LANGMUIR 20 : 2966 2004

15. Title: **Gas separation properties of aromatic poly(amide-imide) membranes**

Author(s): [Huang SH](#), [Hu CC](#), [Lee KR](#), [Liaw DJ](#), [Lai JY](#)

Source: EUROPEAN POLYMER JOURNAL 42 (1): 140-148 JAN 2006

LIU Y

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

16-17. Title: **Electrochemical immunoassay for CA 125 based on cellulose acetate stabilized antigen/colloidal gold nanoparticles membrane**

Author(s): [Wu LN](#), [Chen J](#), [Du D](#), [Ju HX](#)

Source: ELECTROCHIMICA ACTA 51 (7): 1208-1214 JAN 5 2006

CHUNG TS

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

JOURNAL OF APPLIED POLYMER SCIENCE 68 : 1677 1998

ZHU GH

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

JOURNAL OF APPLIED POLYMER SCIENCE 76 : 695 2000

18-19. Title: **PEI-g-chitosan, a novel gene delivery system with transfection efficiency comparable to polyethylenimine in vitro and after liver administration in vivo**

Author(s): [Wong K](#), [Sun GB](#), [Zhang XQ](#), [Dai H](#), [Liu Y](#), [He CB](#), [Leong KW](#)

Source: BIOCONJUGATE CHEMISTRY 17 (1): 152-158 JAN-FEB 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

LIU Y

[Polyethylenimine-grafted multiwalled carbon nanotubes for secure noncovalent immobilization and efficient delivery of DNA](#)

ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 44 : 4782 2005

19-21. Title: **Poly (phthalazinone ether sulfone ketone) (PPESK) hollow fiber asymmetric nanofiltration membranes: Preparation, morphologies and properties**

Author(s): [Yang YQ](#), [Jian XG](#), [Yang DL](#), [Zhang SH](#), [Zou LJ](#)

Source: JOURNAL OF MEMBRANE SCIENCE 270 (1-2): 1-12 FEB 15 2006

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

21-23. Title: **Formation and characterization of asymmetric nanofiltration membrane: Effect of shear rate and polymer concentration**

Author(s): [Ismail AF](#), [Hassan AR](#)

Source: JOURNAL OF MEMBRANE SCIENCE 270 (1-2): 57-72 FEB 15 2006

CHUNG TS

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

JOURNAL OF MEMBRANE SCIENCE 167 : 55 2000

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
WANG KY
[The characterization of flat composite nanofiltration membranes and their applications in the separation of Cephalexin](#)
JOURNAL OF MEMBRANE SCIENCE 247 : 37 2005
24. Title: **Thermal stability and dielectric relaxation of natural rubber/soda lignin and natural rubber/thiolignin composites**
Author(s): [Botros SH](#), [Eid MAM](#), [Nageeb ZA](#)
Source: JOURNAL OF APPLIED POLYMER SCIENCE 99 (5): 2504-2511 MAR 5 2006
XU JW
[Low relative dielectric permittivities of polyimides and copolyimides derived from non-coplanar diamines and 4,4'-\(hexafluoroisopropyl\)diphthalic anhydride](#)
PLASTICS RUBBER AND COMPOSITES 31 : 295 2002
25. Title: **Epoxy-silica mesocomposites with enhanced tensile properties and oxygen permeability**
Author(s): [Park I](#), [Peng HG](#), [Gidley DW](#), [Xue SQ](#), [Pinnavaia TJ](#)
Source: CHEMISTRY OF MATERIALS 18 (3): 650-656 FEB 7 2006
CHUNG TS
[PAMAM dendrimer-induced cross-linking modification of polyimide membranes](#)
LANGMUIR 20 : 2966 2004
26. Title: **Synthesis and properties of soluble sulfonated polybenzimidazoles**
Author(s): [Qing SB](#), [Huang W](#), [Yan DY](#)
Source: REACTIVE & FUNCTIONAL POLYMERS 66 (2): 219-227 FEB 2006
CHUNG TS
[Halo formation in asymmetric polyetherimide and polybenzimidazole blend hollow fiber membranes](#)
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 37 : 1575 1999
27. Title: **Investigation of pit formation in laser-irradiated multilayer thin films by using optical coherence tomography**
Author(s): [Shin YI](#), [Kim HJ](#), [Kim YS](#), [Park SH](#), [Jung WG](#), [Chen ZP](#), [Nelson JS](#)
Source: JOURNAL OF THE KOREAN PHYSICAL SOCIETY 48 (2): L184-L187 FEB 2006
CHUNG TS
PIT FORMATION DURING LASER MARKING OF THIN ORGANIC FILMS
JOURNAL OF APPLIED PHYSICS 60 : 55 1986
- 28-29. Title: **Asymmetric membranes of modified poly(ether ether ketone) with an ultra-thin skin for gas and vapour separations**
Author(s): [Jansen JC](#), [Buonomenna MG](#), [Figoli A](#), [Drioli E](#)
Source: JOURNAL OF MEMBRANE SCIENCE 272 (1-2): 188-197 MAR 15 2006
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
TIN PS
[Effects of cross-linking modification on gas separation performance of Matrimid membranes](#)
JOURNAL OF MEMBRANE SCIENCE 225 : 77 2003
30. Title: **Synthesis and thermal properties of liquid crystalline thermoset containing rigid-rod epoxy**
Author(s): [Cho SH](#), [Lee JY](#), [Douglas EP](#), [Lee JY](#)
Source: HIGH PERFORMANCE POLYMERS 18 (1): 83-99 FEB 2006

PRAMODA KP

[Characterization and thermal degradation of polyimide and polyamide liquid crystalline polymers](#)
POLYMER DEGRADATION AND STABILITY 67 : 365 2000

31. Title: **Microemulsion and diafiltration approaches: An attempt to maximize the global yield of DNA-loaded nanospheres**

Author(s): [Hammady T](#), [Nadeau V](#), [Hildgen P](#)

Source: EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS 62 (2): 143-154
FEB 2006

YANG YY

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

32. Title: **Anaerobic treatment of phenol in wastewater under thermophilic condition**

Author(s): [Fang HHP](#), [Liang DW](#), [Zhang T](#), [Liu Y](#)

Source: WATER RESEARCH 40 (3): 427-434 FEB 2006

LOH KC

[Immobilized-cell membrane bioreactor for high-strength phenol wastewater](#)
JOURNAL OF ENVIRONMENTAL ENGINEERING-ASCE 126 : 75 2000

33. Title: **Polysulfones tethered with benzimidazole**

Author(s): [Persson JC](#), [Josefsson K](#), [Jannasch P](#)

Source: POLYMER 47 (4): 991-998 FEB 8 2006

CHUNG TS

[A critical review of polybenzimidazoles: Historical development and future R&D](#)
JOURNAL OF MACROMOLECULAR SCIENCE-REVIEWS IN MACROMOLECULAR
CHEMISTRY AND PHYSICS 37 : 277 1997

34. Title: **Characterization of crosslinked hollow fiber membranes**

Author(s): [Wallace DW](#), [Williams J](#), [Staudt-Bickel C](#), [Koros WJ](#)

Source: POLYMER 47 (4): 1207-1216 FEB 8 2006

LIU Y

[Chemical cross-linking modification of polyimide membranes for gas separation](#)
JOURNAL OF MEMBRANE SCIENCE 189 : 231 2001

35-36. Title: **Continuous cometabolic transformation of 4-chlorophenol in the presence of phenol in a hollow fiber membrane bioreactor**

Author(s): [Li Y](#), [Loh KC](#)

Source: JOURNAL OF ENVIRONMENTAL ENGINEERING-ASCE 132 (3): 309-314 MAR 2006

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

37. Title: **Main-chain liquid crystalline poly(ester-amide)s containing lithocholic acid units**

Author(s): [Shaikh VAE](#), [Ubale VP](#), [Maldar NN](#), [Lonikar SV](#), [Rajan CR](#), [Ponrathnam S](#)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 100 (1): 73-80 APR 5 2006

CHUNG TS

THE RECENT DEVELOPMENTS OF THERMOTROPIC LIQUID-CRYSTALLINE
POLYMERS

POLYMER ENGINEERING AND SCIENCE 26 : 901 1986

38. Title: **Synthesis and swelling behavior of thermosensitive poly(N-isopropyl acrylamide-co-sodium-2-acrylamido-2-methyl propane sulfonate) and poly(N-isopropyl acrylamide-co-sodium-2-acrylamido-2-methyl propane sulfonate-co-glycidyl methacrylate) hydrogels**

Author(s): [Emik S](#), [Gurdag G](#)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 100 (1): 428-438 APR 5 2006

ZHANG XZ

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

LANGMUIR 17 : 6094 2001

39-40. Title: **Synthetic preparations and physical and electrical properties of main chain type thermotropic liquid crystalline polyimide/SiO₂ nanocomposites**

Author(s): [Ho CY](#), [Lee JY](#)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 100 (2): 1688-1704 APR 15 2006

LIU SL

[The double melting behavior of a liquid crystalline polyimide derived from PMDA and 1,3-bis\[4-\(4'-aminophenoxy\) cumyl\] benzene](#)

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 3018 2000

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

41-42. Title: **Stabilization and encapsulation of a staphylokinase variant (K35R) into poly(lactic-co-glycolic acid) microspheres**

Author(s): [He JT](#), [Su HB](#), [Li GP](#), [Tao XM](#), [Mo W](#), [Song HY](#)

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS 309 (1-2): 101-108 FEB 17 2006

WANG J

[Characterization of the initial burst release of a model peptide from poly\(D,L-lactide-co-glycolide\) microspheres](#)

JOURNAL OF CONTROLLED RELEASE 82 : 289 2002

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

43. Title: **Pore size distributions of biodegradable polymer microparticles in aqueous environments measured by NMR cryoporometry**

Author(s): [Petrov O](#), [Furo I](#), [Schuleit M](#), [Domanig R](#), [Plunkett M](#), [Daicic J](#)

Source: INTERNATIONAL JOURNAL OF PHARMACEUTICS 309 (1-2): 157-162 FEB 17 2006

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

44. Title: **A concerted H-bonding self-assembly-based approach to ladder poly (silsesquioxane)**

Author(s): [Deng KL](#), [Zhang TY](#), [Zhang XI](#), [Zhang AQ](#), [Xie P](#), [Zhang RB](#)

Source: MACROMOLECULAR CHEMISTRY AND PHYSICS 207 (4): 404-411 FEB 24 2006

CAO M

[Novel microencapsulated curing accelerator for prolonging shelf life of epoxy resin composition](#)

45. JOURNAL OF APPLIED POLYMER SCIENCE 85 : 873 2002

Title: **Optically transparency and light color of novel highly organosoluble alicyclic polyimides with 4-tert-butylcyclohexyl group**

Author(s): [Liaw DJ](#), [Huang CC](#), [Chen WH](#)

- Source: MACROMOLECULAR CHEMISTRY AND PHYSICS 207 (4): 434-443 FEB 24 2006
VORA RH
[Synthesis and properties of fluoro-polyetherimides](#)
POLYMER ENGINEERING AND SCIENCE 40 : 1318 2000
46. Title: **Pervaporation using hollow-fiber membranes for dehydrating acetic acid and water mixtures**
Author(s): [Zhou FB](#), [Koros WJ](#)
Source: INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH 45 (5): 1787-1796 MAR 1 2006
TIN PS
[Effects of cross-linking modification on gas separation performance of Matrimid membranes](#)
JOURNAL OF MEMBRANE SCIENCE 225 : 77 2003
47. Title: **Synthesis and properties of thermotropic liquid crystalline copolyesters containing p-hydroxyphenylacetic acid and m-hydroxybenzoic acid units**
Author(s): [Yerlikaya Z](#), [Aksoy S](#), [Bayramli E](#)
Source: JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY A43 (3): 433-447 MAR 2006
HE C
[Synthesis and structure of wholly aromatic liquid-crystalline polyesters containing meta- and ortholinkages](#)
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY 39 : 1242 2001
48. Title: **Transport study of pure and mixed gases through PDMS membrane**
Author(s): [Wu FW](#), [Li L](#), [Xu ZH](#), [Tan SJ](#), [Zhang ZB](#)
Source: CHEMICAL ENGINEERING JOURNAL 117 (1): 51-59 MAR 15 2006
WANG R
[Characterization of hollow fiber membranes in a permeator using binary gas mixtures](#)
CHEMICAL ENGINEERING SCIENCE 57: 967 2002
- 49-50. Title: **Gas separation properties in cyclic olefin copolymer membrane studied by positron annihilation, sorption, and gas permeation**
Author(s): [Hu CC](#), [Lee KR](#), [Ruaan RC](#), [Jean YC](#), [Lai JY](#)
Source: JOURNAL OF MEMBRANE SCIENCE 274 (1-2): 192-199 APR 5 2006
LIU Y
[Effects of amidation on gas permeation properties of polyimide membranes](#)
JOURNAL OF MEMBRANE SCIENCE 214 : 83 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
51. Title: **Fabrication of membranes for the liquid separation Part 2: Microfiltration membranes prepared from immiscible blends containing polysulfone and poly(1-vinylpyrrolidone-co-acrylonitrile) copolymers**
Author(s): [Moon EJ](#), [Kim JW](#), [Kim CK](#)
Source: JOURNAL OF MEMBRANE SCIENCE 274 (1-2): 244-251 APR 5 2006
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
52. Title: **Two-dimensional simulation of hollow fiber membrane fabricated by phase inversion method**
Author(s): [Yang XT](#), [Xu ZL](#), [Wei YM](#)

- Source: JOURNAL OF APPLIED POLYMER SCIENCE 100 (3): 2067-2074 MAY 5 2006
CHUNG TS
[Fundamental understanding of the effect of air-gap distance on the fabrication of hollow fiber membranes](#)
JOURNAL OF APPLIED POLYMER SCIENCE 72 : 379 1999
- 53-54. Title: **Preparation of novel fluorinated block copolyimide membranes for gas separation**
Author(s): [Niwa M](#), [Nagaoka S](#), [Kawakami H](#)
Source: JOURNAL OF APPLIED POLYMER SCIENCE 100 (3): 2436-2442 MAY 5 2006
LIN WH
[Gas transport properties of 6FDA-durene/1,4-phenylenediamine \(pPDA\) copolyimides](#)
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS 38 : 2703 2000
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
55. Title: **Microwave-assisted preparation of temperature sensitive poly(N-isopropylacrylamide) hydrogel with improved responsive properties**
Author(s): [Shi SH](#), [Liu LJ](#)
Source: CHINESE CHEMICAL LETTERS 17 (3): 361-364 MAR 2006
ZHANG XZ
[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)
LANGMUIR 17 : 6094 2001
56. Title: **pH- and temperature-responsive hydrogels from crosslinked triblock copolymers prepared via consecutive atom transfer radical polymerizations**
Author(s): [Xu FJ](#), [Kang ET](#), [Neoh KG](#)
Source: BIOMATERIALS 27 (14): 2787-2797 MAY 2006
ZHANG XZ
[Preparation and characterization of fast response macroporous poly\(N-isopropylacrylamide\) hydrogels](#)
LANGMUIR 17 : 6094 2001
57. Title: **Thermal stability of shear-induced shish-kebab precursor structure from high molecular weight polyethylene chains**
Author(s): [Zuo F](#), [Keum JK](#), [Yang L](#), [Somani RH](#), [Hsiao BS](#)
Source: MACROMOLECULES 39 (6): 2209-2218 MAR 21 2006
LIU TX
[Transmission electron microscopy observations on lamellar melting of cold-crystallized isotactic polystyrene](#)
MACROMOLECULES 34 : 4305 2001
58. Title: **Multicyclic poly(ether ester)s by polycondensation of oligo(ethylene glycol)s and trimesoyl chloride**
Author(s): [Kricheldorf HR](#), [Lomadze N](#), [Polefka C](#), [Schwarz G](#)
Source: MACROMOLECULES 39 (6): 2107-2112 MAR 21 2006
LIU Y
[Facile synthesis of hyperbranched polyimides from A\(2\)+BB2 ' monomers](#)
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY 40 : 4563 2002
- 59-64. Title: **Performance of treated and untreated asymmetric polysulfone hollow fiber membrane in series and cascade module configurations for CO₂/CH₄ gas separation system**
Author(s): [Ismail AF](#), [Yaacob N](#)
Source: JOURNAL OF MEMBRANE SCIENCE 275 (1-2): 151-165 APR 20 2006

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

CHUNG TS
[Development of asymmetric 6FDA-2,6DAT hollow fiber membranes forCO\(2\)/CH4 separation Part 2. Suppression of plasticization](#)
JOURNAL OF MEMBRANE SCIENCE 214 : 57 2003

CHUNG TS
[The effect of shear rates on gas separation performance of 6FDA-durene polyimide hollow fibers](#)
JOURNAL OF MEMBRANE SCIENCE 167 : 55 2000

REN JZ
[Development of asymmetric 6FDA-2,6 DAT hollow fiber membranes for CO2/CH4 separation - 1. The influence of dope composition and rheology on membrane morphology and separation performance](#)
JOURNAL OF MEMBRANE SCIENCE 207 : 227 2002

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

65. Title: **Linear and networked blends and copolymers of polyimide**

Author(s): [Xia JQ](#), [Wang JW](#), [Srinivasan MP](#)

Source: JOURNAL OF APPLIED POLYMER SCIENCE 100 (4): 3000-3008 MAY 15 2006

CHUNG TS

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

POLYMER ENGINEERING AND SCIENCE 31 : 1520 1991

66. Title: **Optical control of recovery speed of photoinduced third-harmonic generation in azo-copolymer thin films**

Author(s): [Lin JH](#), [Lai ND](#), [Hsu CC](#)

Source: APPLIED PHYSICS LETTERS 88 (13): Art. No. 131111 MAR 27 2006

CHUNG TS

[PIT FORMATION DURING LASER MARKING OF THIN ORGANIC FILMS](#)

JOURNAL OF APPLIED PHYSICS 60 : 55 1986

67. Title: **Low-surface-free-energy materials based on polybenzoxazines**

Author(s): [Wang CF](#), [Su YC](#), [Kuo SW](#), [Huang CF](#), [Sheen YC](#), [Chang FC](#)

Source: ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 45 (14): 2248-2251 2006

MA KX

[Effect of -C\(CF3\)2- on the surface energy of main-chain liquid crystalline and crystalline polymers](#)

JOURNAL OF PHYSICAL CHEMISTRY B 105 : 4145 2001

68. Title: **Methods to assess in vitro drug release from injectable polymeric particulate systems**

Author(s): [D'Souza SS](#), [DeLuca PP](#)

Source: PHARMACEUTICAL RESEARCH 23 (3): 460-474 MAR 2006

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

69. Title: **Thermosensitive magnetic polymer particles as contactless controllable drug carriers**

Author(s): [Muller-Schulte D](#), [Schmitz-Rode T](#)

Source: JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS 302 (1): 267-271 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

70. Title: **Crystallization of amorphous tris(8-hydroxyquinoline)aluminum nanoparticles and transformation to nanowires**

Author(s): [Cho CP](#), [Wu CA](#), [Perng TP](#)

Source: ADVANCED FUNCTIONAL MATERIALS 16 (6): 819-823 APR 4 2006

LIU SL

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

POLYMER 41 : 2781 2000

71. Title: **Voltage-switchable artificial muscles actuating at near neutral pH**

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Author(s): [Sun GB](#) (Sun, G. B.), [Hidajat K](#) (Hidajat, K.), [Kawi S](#) (Kawi, S.)

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Author(s): [Wang GJ](#) (Wang, Guang-Jin), [Chu LY](#) (Chu, Liang-Yin), [Zhou MY](#) (Zhou, Ming-Yu), [Chen WM](#) (Chen, Wen-Mei)

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Author(s): [Juang RS](#) (Juang, Ruey-Shin), [Tsai SY](#) (Tsai, Shang-Yuan)

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Author(s): [Huang ZQ](#) (Huang, Zheng-Qing), [Chen ZY](#) (Chen, Zhen-Yu), [Guo XP](#) (Guo, Xing-Peng), [Zhang Z](#) (Zhang, Zhi), [Guo CL](#) (Guo, Chun-Liang)

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