

Prof. LEVENT YILMAZ

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Education Information

Doctorate, University of Illinois at Urbana-Champaign, Kimyasal Bilimler Okulu, Kimya Mühendisliği, United States Of America 1982 - 1987

Post Graduate, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, Turkey 1980 - 1982

Under Graduate, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, Turkey 1975 - 1980

Research Areas

Chemical Engineering and Technology, Basic Operations and Thermodynamics, Separation Operations, Mass Transfer, Transport Events, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty Of Engineering, Department Of Chemical Engineering, 1989 - 1995

Professional Experience

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Middle East Technical University, Faculty Of Engineering, Department Of Chemical Engineering, 2019 - Continues

Enstitü Yönetim Kurulu Üyesi, Middle East Technical University, Graduate School Of Natural And Applied Sciences, 2017 - Continues

Advising Theses

Kalıpçılar H., Yılmaz L., Gas permeation and sorption properties of ZIF-8 filled polymeric membranes prepared by infrared and incandescent light induced liquid and vapor phase inversion, Doctorate, B.TÜZÜN(Student), 2017
YILMAZ L., KALIPÇILAR H., Preparation of ZIF-8 loaded PVA and PES mixed matrix membranes for dehydration of ethanol solutions, Post Graduate, E.İREM(Student), 2015

KALIPÇILAR H., YILMAZ L., Polymer blend based mixed matrix gas separation membranes, Post Graduate, M.KARĞILI(Student), 2015

KALIPÇILAR H., YILMAZ L., Effect of the particle size of ZIF-8 on the separation performance of ZIF-8/pNA/PES membranes, Post Graduate, İ.AYAS(Student), 2014

KALIPÇILAR H., YILMAZ L., Synthesis of ethyl citrate by membrane reactors and reactive adsorption, Post Graduate,

F.OZANIRK(Student), 2014
KALIPÇILAR H., YILMAZ L., Development of PBI based membranes for H₂/CO₂ separation, Post Graduate,
M.BAŞDEMİR(Student), 2013
YILMAZ L., Boron removal from aqueous solutions via polymer enhanced ultrafiltration using novel imino-bis-propane diol functional polymers, Doctorate, H.ZERZE(Student), 2012
KALIPÇILAR H., YILMAZ L., Dehydration of aqueous aprotic solvent mixtures by pervaporation, Post Graduate,
G.SARIALP(Student), 2012
KALIPÇILAR H., YILMAZ L., Production and performance evaluation of ZIF-8 based binary and ternary mixed matrix gas separation membranes, Post Graduate, N.KESER(Student), 2012
ÇALIK P., YILMAZ L., Enzyme enhanced ultrafiltration for the resolution of racemic mandelic acid, Post Graduate,
Ü.BADE(Student), 2011
KALIPÇILAR H., YILMAZ L., Effect of operating parameters on performance of additive/zeolite/polymer mixed matrix membrane, Post Graduate, E.EDA(Student), 2011
KALIPÇILAR H., YILMAZ L., Dehydration of alcohol solutions obtained from a solvent recovery process by pervaporation, Post Graduate, E.BÜKÜŞOĞLU(Student), 2010
KALIPÇILAR H., YILMAZ L., Effect of preparation and operation parameters on performance of polyethersulfone based mixed matrix gas separation membranes, Post Graduate, E.KARATAY(Student), 2009
KALIPÇILAR H., YILMAZ L., Natural gas purification by zeolite filled polyethersulfone based mixed matrix membranes, Post Graduate, Ü.ÇAKAL(Student), 2009
KALIPÇILAR H., YILMAZ L., Polycarbonate based zeolite 4A filled mixed matrix membranes: Preparation, characterization and gas separation performances, Doctorate, D.ŞEN(Student), 2008
YILMAZ L., YETİŞ Ü., Recovery and reuse of indigo dyeing wastewater using membrane technology, Doctorate, N.UZAL(Student), 2007
YILMAZ L., Effect of ionic strength on the performance of polymer enhanced ultrafiltration in heavy metal removal from aqueous solutions, Doctorate, S.İSLAMOĞLU(Student), 2006
ÇALIK P., YILMAZ L., Chiral separations by enzyme enhanced ultrafiltration: Fractionation of racemic benzoin, Post Graduate, A.HANDE(Student), 2006
YILMAZ L., YETİŞ Ü., Development of a membrane based treatment scheme for water recovery from textile effluents, Doctorate, G.ÇAPAR(Student), 2005
YILMAZ L., KARAKAŞ G., Screening and characterization of catalytic composite membranes for ethyllactate production, Post Graduate, Ö.OĞUZER(Student), 2004
YILMAZ L., Development and evaluation on performance of new ligands for removal of boron by polymer enhanced ultrafiltration, Post Graduate, A.YÜRÜM(Student), 2003
YILMAZ L., KARAKAŞ G., Ethyl lactate production by hybrid processes: Determination of phase diagrams and evaluation of performance of organophilic pervaporation membranes, Post Graduate, M.İNAL(Student), 2003
TOPPARE L. K. , YILMAZ L., Gas permeation properties of poly (arylene ether ketone) and its mixed matrix membranes with polypyrrole, Post Graduate, G.MERGEN(Student), 2003
KALIPÇILAR H., YILMAZ L., Effect of compatibilizers on the gas separation performance of polycarbonate membranes, Post Graduate, D.ŞEN(Student), 2003
YILMAZ L., Removal of heavy metals from industrial wastewaters by means of hybrid precipitation and polymer enhanced ultrafiltration, Post Graduate, S.İSLAMOĞLU(Student), 2002
YILMAZ L., ŞAHİN S., Separation and identification of aroma compounds from thyme by using steam distillation and supercritical fluid extraction, Post Graduate, S.SONSUZER(Student), 2002
YILMAZ L., Aqueous two-phase separation of xylanases produced by a bacillus sp., Post Graduate, S.BİRAN(Student), 2001
TOPPARE L. K. , YILMAZ L., Effect of preparation parameters on performance of dense homogeneous polycarbonate and polypyrrole-polycarbonate mixed matrix membranes, Post Graduate, P.HACARLIOĞLU(Student), 2001
YILMAZ L., Removal of boron from aqueous solutions by continuous polymer enhanced ultrafiltration with polyvinyl alcohol, Post Graduate, Ç.DİLEK(Student), 2001
YILMAZ L., The Effect of the support and solvent type on the performance of composite membranes, Post Graduate, T.ŞENER(Student), 2001

YILMAZ L., KARAKAŞ G., Ethyl lactate production by hybrid processes: Evaluation of performance of hydrophilic pervaporation membranes for ethyl lactate-water-ethanol mixtures, Post Graduate, S.KORKUT(Student), 2001

YILMAZ L., Decolorization of wastewater of a bakers yeast plant by membrane processes, Post Graduate, S.MUTLU(Student), 1999

YILMAZ L., Effect of preparation parameters on performance of conductive composite gas separation membranes, Post Graduate, D.GÜLŞEN(Student), 1999

YILMAZ L., Analysis and prediction of filter cake washing, Post Graduate, Y.GÜÇBİLMEZ(Student), 1999

YILMAZ L., Thermal characterization of GAP and GAP based binders, Post Graduate, K.SELİM(Student), 1998

YILMAZ L., Application of polymer enhanced ultrafiltration to multicomponent systems, Post Graduate, J.MÜSLEHİDDİNOĞLU(Student), 1997

YILMAZ L., Study for the invertase partitioning in polyethylene glycol-potassium phosphate water aqueous two phase system, Post Graduate, N.COŞKUN(Student), 1997

YILMAZ L., Effect of temperature on gas permeation properties of polymeric membranes, Post Graduate, S.AÇIKALIN(Student), 1996

YILMAZ L., Waste minimization by reverse osmosis treatment of bleed stream for continuous alcohol fermentation process, Post Graduate, N.AYDOĞAN(Student), 1996

YILMAZ L., Removal and recovery of heavy metals from waste streams via polymer enhanced ultrafiltration, Post Graduate, Y.ULUDAĞ(Student), 1995

YILMAZ L., Tertiary recovery polyethyleneterephthalate, Post Graduate, M.AGH DAMPOUR(Student), 1993

YILMAZ L., Development of a novel mixed matrix-membrane for pervaporation of ethanol-water mixtures, Post Graduate, K.CİCİOĞLU(Student), 1993

YILMAZ L., Gelation studies in ternary polymer solutions, Post Graduate, M.H.(Student), 1992

YILMAZ L., Liquid-liquid equilibrium studies for hydrocarbon-alcohol-water systems, Post Graduate, B.ABDULGHANI(Student), 1991

YILMAZ L., Modelling of mass transfer aspects of asymmetric membrane formation, Post Graduate, E.AKSOY(Student), 1990

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Preparation and characterization of supported PES membranes**
 TOPUZ B., YILMAZ L., KALIPÇILAR H.
 JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, pp.155-164, 2019 (Journal Indexed in SCI)
- **The Gas Permeation Characteristics of Ternary Component Mixed Matrix Membranes Prepared Using ZIF-8 with a Large Range of Average Particle Size**
 Ayas I., YILMAZ L., KALIPÇILAR H.
 INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.57, pp.16041-16050, 2018 (Journal Indexed in SCI)
- **Dehydration of Industrial Byproduct Solutions for Recycling via Pervaporation-Adsorption Hybrid Process**
 BÜKÜŞOĞLU E., KALIPÇILAR H., YILMAZ L.
 INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.57, pp.2277-2286, 2018 (Journal Indexed in SCI)
- **Brackish water recovery from reactive dyeing wastewater via ultrafiltration**
 Erkanlı M., Yılmaz L., Çulfaz Emecen P. Z. , Yetiş Ü.
 JOURNAL OF CLEANER PRODUCTION, vol.165, pp.1204-1214, 2017 (Journal Indexed in SCI)
- **Removal of hexavalent chromium anions via polymer enhanced ultrafiltration using a fully ionized polyelectrolyte**
 HAKTANIR C., Ozbelge H. O. , Bıçak N., YILMAZ L.
 SEPARATION SCIENCE AND TECHNOLOGY, vol.52, pp.2487-2497, 2017 (Journal Indexed in SCI)
- **Evaluation of cotton stalk hydrolysate for xylitol production**
 Sapci B., AKPINAR Ö., Bolukbasi U., YILMAZ L.

- PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.46, pp.474-482, 2016 (Journal Indexed in SCI)
Triclosan removal by NF from a real drinking water source - Effect of natural organic matter
OGUTVERİCİ A., YILMAZ L., YETİŞ Ü., DİLEK F. B.
- CHEMICAL ENGINEERING JOURNAL, vol.283, pp.330-337, 2016 (Journal Indexed in SCI)
Employing Imino-Bis-Propane Diol Functional Polymers for Boron Removal from Geothermal Waters via Polymer Enhanced Ultrafiltration
Zerze H., Ozbelge H. O. , Bicak N., YILMAZ L.
- SEPARATION SCIENCE AND TECHNOLOGY, vol.50, pp.2004-2014, 2015 (Journal Indexed in SCI)
Is adsorption an artifact in experimentation with Triclosan?
Koc A., Orhon K. B. , Ogutverici A., YILMAZ L., Furi L., Oggioni M. R. , DİLEK F. B. , YETİŞ Ü.
- DESALINATION AND WATER TREATMENT, vol.52, pp.7101-7107, 2014 (Journal Indexed in SCI)
Synthesis of ZIF-8 from recycled mother liquors
Demir N. K. , Topuz B., YILMAZ L., KALIPÇILAR H.
- MICROPOROUS AND MESOPOROUS MATERIALS, vol.198, pp.291-300, 2014 (Journal Indexed in SCI)
Effect of Gas Permeation Temperature and Annealing Procedure on the Performance of Binary and Ternary Mixed Matrix Membranes of Polyethersulfone, SAPO-34, and 2-Hydroxy 5-Methyl Aniline
Oral E. E. , YILMAZ L., KALIPÇILAR H.
- JOURNAL OF APPLIED POLYMER SCIENCE, vol.131, 2014 (Journal Indexed in SCI)
Purification and Concentration of Caustic Mercerization Wastewater by Membrane Processes and Evaporation for Reuse
Tunç M. S. , Yılmaz L., Yetiş Ü., Çulfaz Emecen P. Z.
- SEPARATION SCIENCE AND TECHNOLOGY, vol.49, pp.1968-1977, 2014 (Journal Indexed in SCI)
High performance ligands for the removal of aqueous boron species by continuous polymer enhanced ultrafiltration
YÜRÜM A., TARALP A., Bicak N., Ozbelge H. O. , YILMAZ L.
- DESALINATION, vol.320, pp.33-39, 2013 (Journal Indexed in SCI)
Effect of Feed Composition on the Gas Separation Performance of Binary and Ternary Mixed Matrix Membranes
Sen D., YILMAZ L., KALIPÇILAR H.
- SEPARATION SCIENCE AND TECHNOLOGY, vol.48, pp.859-866, 2013 (Journal Indexed in SCI)
Imino-bis-propane diol functional polymer for efficient boron removal from aqueous solutions via continuous PEUF process
Zerze H., Karagöz B., Ozbelge H. O. , Bicak N., AYDOĞAN N., YILMAZ L.
- DESALINATION, vol.310, pp.158-168, 2013 (Journal Indexed in SCI)
Novel boron specific copolymers with quaternary amine segments for efficient boron removal via PEUF
Zerze H., Ozbelge H. O. , Bicak N., AYDOĞAN N., YILMAZ L.
- DESALINATION, vol.310, pp.169-179, 2013 (Journal Indexed in SCI)
Effect of feed gas composition on the separation of CO₂/CH₄ mixtures by PES-SAPO 34-HMA mixed matrix membranes
Cakal U., YILMAZ L., KALIPÇILAR H.
- JOURNAL OF MEMBRANE SCIENCE, vol.417, pp.45-51, 2012 (Journal Indexed in SCI)
Development of alumina supported ternary mixed matrix membranes for separation of H₂/light-alkane mixtures
Topuz B., YILMAZ L., KALIPÇILAR H.
- JOURNAL OF MEMBRANE SCIENCE, vol.415, pp.725-733, 2012 (Journal Indexed in SCI)
The Optimization of Dilute Acid Hydrolysis of Cotton Stalk in Xylose Production
AKPINAR Ö., Levent O., Bostanci S., Bakir U., YILMAZ L.
- APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.163, pp.313-325, 2011 (Journal Indexed in SCI)
Use of Specifically Tailored Chelating Polymers for Boron Removal from Aqueous Solutions by Polymer Enhanced Ultrafiltration

Doganay C. O. , Ozbelge H. O. , Bicak N., AYDOĞAN N., YILMAZ L.

SEPARATION SCIENCE AND TECHNOLOGY, vol.46, pp.581-591, 2011 (Journal Indexed in SCI)

Preparation and performance assessment of binary and ternary PES-SAPO 34-HMA based gas separation membranes

Karatay E., KALIPÇILAR H., YILMAZ L.

JOURNAL OF MEMBRANE SCIENCE, vol.364, pp.75-81, 2010 (Journal Indexed in SCI)

The effect of different solvents on the performance of zeolite-filled composite pervaporation membranes

Sener T., Okumus E., Gurkan T., YILMAZ L.

DESALINATION, vol.261, pp.181-185, 2010 (Journal Indexed in SCI)

Nanofiltration and Reverse Osmosis for Reuse of Indigo Dye Rinsing Waters

Uzal N., YILMAZ L., YETİŞ Ü.

SEPARATION SCIENCE AND TECHNOLOGY, vol.45, pp.331-338, 2010 (Journal Indexed in SCI)

Comparison of acid and enzymatic hydrolysis of tobacco stalk xylan for preparation of xylooligosaccharides

AKPINAR Ö., Erdogan K., Bakir U., YILMAZ L.

LWT-FOOD SCIENCE AND TECHNOLOGY, vol.43, pp.119-125, 2010 (Journal Indexed in SCI)

Removal of Heavy Metals from Multicomponent Metal Mixtures by Polymer Enhanced Ultrafiltration: Effects of pH, Ionic Strength and Conformational Changes in Polymer Structure

Kadioglu S. I. , YILMAZ L., AYDOĞAN N., Ozbelge H. O.

SEPARATION SCIENCE AND TECHNOLOGY, vol.45, pp.1363-1373, 2010 (Journal Indexed in SCI)

Microfiltration/ultrafiltration as pretreatment for reclamation of rinsing waters of indigo dyeing

Uzal N., YILMAZ L., YETİŞ Ü.

DESALINATION, vol.240, pp.198-208, 2009 (Journal Indexed in SCI)

Removal of disinfection by-product precursors by UF and NF membranes in low-SUVA waters

Ates N., YILMAZ L., KİTİŞ M., YETİŞ Ü.

JOURNAL OF MEMBRANE SCIENCE, vol.328, pp.104-112, 2009 (Journal Indexed in SCI)

Estimation of Binding Constants of Cd(II), Ni(II) and Zn(II) with Polyethyleneimine (PEI) by Polymer Enhanced Ultrafiltration (PEUF) Technique

Kadioglu S. I. , YILMAZ L., Ozbelge H. O.

SEPARATION SCIENCE AND TECHNOLOGY, vol.44, pp.2559-2581, 2009 (Journal Indexed in SCI)

Development of enhanced ultrafiltration methodologies for the resolution of racemic benzoin

Olceroglu A. H. , ÇALIK P., YILMAZ L.

JOURNAL OF MEMBRANE SCIENCE, vol.322, pp.446-452, 2008 (Journal Indexed in SCI)

Selective mercury uptake by polymer supported hydroxyethyl sulfonamides

Oktar C., YILMAZ L., Ozbelge H. O. , Bicak N.

REACTIVE & FUNCTIONAL POLYMERS, vol.68, pp.842-850, 2008 (Journal Indexed in SCI)

A membrane-based co-treatment strategy for the recovery of print- and beck-dyeing textile effluents

Capar G., YILMAZ L., YETİŞ Ü.

JOURNAL OF HAZARDOUS MATERIALS, vol.152, pp.316-323, 2008 (Journal Indexed in SCI)

Production and characterization of films from cotton stalk xylan

Goksu E. I. , Karamanlioglu M., Bakir U., YILMAZ L., YILMAZER Ü.

JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.55, pp.10685-10691, 2007 (Journal Indexed in SCI)

Effect of temperature and membrane preparation parameters on gas permeation properties of polymethacrylates

Guelmues S. A. , Yilmaz L.

JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS, vol.45, pp.3025-3033, 2007 (Journal Indexed in SCI)

Development of polycarbonate based zeolite 4A filled mixed matrix gas separation membranes

SEN D., Kalipcilar H., Yilmaz L.

JOURNAL OF MEMBRANE SCIENCE, vol.303, pp.194-203, 2007 (Journal Indexed in SCI)

Enzymatic production of xylooligosaccharides from cotton stalks

Akpinar O., Ak O., Kavas A., Bakir U., Yilmaz L.

JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.55, pp.5544-5551, 2007 (Journal Indexed in SCI)

● **Most effective pre-treatment to nanofiltration for the recovery of print dyeing wastewaters**

Capar G., Yetis U., Yilmaz L.

● DESALINATION, vol.212, pp.103-113, 2007 (Journal Indexed in SCI)

● **Chiral separation of racemic benzoin via enzyme enhanced ultrafiltration**

Olceroglu A. H. , Calik P., Yilmaz L.

● DESALINATION, vol.200, pp.464-465, 2006 (Journal Indexed in SCI)

● **Development of zeolite filled polycarbonate mixed matrix gas separation membranes**

Sen D., Kalipcilar H., Yilmaz L.

● DESALINATION, vol.200, pp.222-224, 2006 (Journal Indexed in SCI)

● **Effect of ionic strength on the complexation of polyethyleneimine (PEI) with Cd²⁺ and Ni²⁺ in polymer enhanced ultrafiltration (PEUF)**

Islamoglu S., Yilmaz L.

● DESALINATION, vol.200, pp.288-289, 2006 (Journal Indexed in SCI)

● **Removal and recovery of metal anions via functional polymer based PEUF**

Doganay C. O. , Ozbelge H. O. , Yilmaz L., Bicak N.

● DESALINATION, vol.200, pp.286-287, 2006 (Journal Indexed in SCI)

● **Micro filtration: a pretreatment alternative for indigo dyeing textile wastewater**

Uzal N., Yilmaz L., Yetis U.

● DESALINATION, vol.199, pp.515-517, 2006 (Journal Indexed in SCI)

● **Reclamation of acid dye bath wastewater: Effect of pH on nanofiltration performance**

Capar G., Yilmaz L., Yetis U.

● JOURNAL OF MEMBRANE SCIENCE, vol.281, pp.560-569, 2006 (Journal Indexed in SCI)

● **Membrane based strategies for the pre-treatment of acid dye bath wastewaters**

Capar G., Yetis U., Yilmaz L.

● JOURNAL OF HAZARDOUS MATERIALS, vol.135, pp.423-430, 2006 (Journal Indexed in SCI)

● **Reclamation of printing effluents of a carpet manufacturing industry by membrane processes**

Capar G., Yetis U., Yilmaz L.

● JOURNAL OF MEMBRANE SCIENCE, vol.277, pp.120-128, 2006 (Journal Indexed in SCI)

● **Development of a precipitation based separation scheme for selective removal and recovery of heavy metals from cadmium rich electroplating industry effluents**

Islamoglu S., Yilmaz L., Ozbelge H. O.

● SEPARATION SCIENCE AND TECHNOLOGY, vol.41, pp.3367-3385, 2006 (Journal Indexed in SCI)

● **Gas separation performance of polycarbonate membranes modified with multifunctional low molecular-weight additives**

Sen D., Kalipcilar H., Yilmaz L.

● SEPARATION SCIENCE AND TECHNOLOGY, vol.41, pp.1813-1828, 2006 (Journal Indexed in SCI)

● **Optimization of supercritical CO₂ extraction of Thymbra spicata oil**

Sonsuzer S., Sahin S., Yilmaz L.

● JOURNAL OF SUPERCRITICAL FLUIDS, vol.30, pp.189-199, 2004 (Journal Indexed in SCI)

● **Treatment by nanofiltration of the bleed stream of a continuous alcohol fermentor**

Aydogan N., Gurkan T., Yilmaz L.

● SEPARATION SCIENCE AND TECHNOLOGY, vol.39, pp.1059-1072, 2004 (Journal Indexed in SCI)

● **Polycarbonate-polypyrrole mixed matrix gas separation membranes**

Hacarlioglu P., Toppare L., Yilmaz L.

● JOURNAL OF MEMBRANE SCIENCE, vol.225, pp.51-62, 2003 (Journal Indexed in SCI)

● **Effect of preparation parameters on performance of dense homogeneous polycarbonate gas separation membranes**

Hacarlioglu P., Toppare L., Yilmaz L.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.90, pp.776-785, 2003 (Journal Indexed in SCI)

- **Effect of fabrication and process parameters on the morphology and performance of a PAN-based zeolite-filled pervaporation membrane**
Okumus E., Gurkan T., Yilmaz L.
JOURNAL OF MEMBRANE SCIENCE, vol.223, pp.23-38, 2003 (Journal Indexed in SCI)
- **Isolation of volatile oil from thyme (*Thymbra spicata*) by steam distillation**
Hanci S., Sahin S., Yilmaz L.
NAHRUNG-FOOD, vol.47, pp.252-255, 2003 (Journal Indexed in SCI)
- **Use of xylan, an agricultural by-product, in wheat gluten based biodegradable films: mechanical, solubility and water vapor transfer rate properties**
Kayserilioglu B., Bakir U., Yilmaz L., Akkas N.
BIORESOURCE TECHNOLOGY, vol.87, pp.239-246, 2003 (Journal Indexed in SCI)
- **Drying temperature and relative humidity effects on wheat gluten film properties**
Kayserilioglu B., Bakir U., Yilmaz L., Akkas N.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.51, pp.964-968, 2003 (Journal Indexed in SCI)
- **Decolorization of wastewater of a baker's yeast plant by membrane processes**
Mutlu S., Yetis U., Gurkan T., Yilmaz L.
WATER RESEARCH, vol.36, pp.609-616, 2002 (Journal Indexed in SCI)
- **Removal of boron from aqueous solutions by continuous polymer-enhanced ultrafiltration with polyvinyl alcohol**
Dilek C., Ozbelge H., Bicak N., Yilmaz L.
SEPARATION SCIENCE AND TECHNOLOGY, vol.37, pp.1257-1271, 2002 (Journal Indexed in SCI)
- **Removal of Boron from Aqueous Solutions by Continuous Polymer Enhanced Ultrafiltration with Polyvinyl Alcohol**
DİLEK Ç., Hilmi Önder Ö., BIÇAK N., YILMAZ L.
Separation Science and Technology, vol.37, pp.1257-1271, 2002 (Journal Indexed in SCI)
- **Effect of preparation parameters on the performance of conductive composite gas separation membranes**
Gulsen D., Hacarloglu P., Toppare L., Yilmaz L.
JOURNAL OF MEMBRANE SCIENCE, vol.182, pp.29-39, 2001 (Journal Indexed in SCI)
- **Thermal characterization of glycidyl azide polymer (GAP) and GAP-based binders for composite propellants**
Selim K., Ozkar S., Yilmaz L.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.77, pp.538-546, 2000 (Journal Indexed in SCI)
- **Crosslinked polymer gels for boron extraction derived from N-glucidol-N-methyl-2-hydroxypropyl methacrylate**
Bicak N., Ozbelge H., Yilmaz L., Senkal B.
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.201, pp.577-584, 2000 (Journal Indexed in SCI)
- **Optimization of the locations of side streams in a filter cake washing process**
Gucbilmez Y., Tosun I., Yilmaz L.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.182, pp.49-67, 2000 (Journal Indexed in SCI)
- **Determination of heavy metal concentration in feed and permeate streams of polymer enhanced ultrafiltration process**
Muslehiddinoglu J., Uludag Y., Ozbelge H., Yilmaz L.
TALANTA, vol.46, pp.1557-1565, 1998 (Journal Indexed in SCI)
- **Effect of operating parameters on selective separation of heavy metals from binary mixtures via polymer enhanced ultrafiltration**
Muslehiddinoglu J., Uludag Y., Ozbelge H., Yilmaz L.
JOURNAL OF MEMBRANE SCIENCE, vol.140, pp.251-266, 1998 (Journal Indexed in SCI)
- **Effect of operating parameters on the separation of sugars by nanofiltration**
Aydogan N., Gurkan T., Yilmaz L.
SEPARATION SCIENCE AND TECHNOLOGY, vol.33, pp.1767-1785, 1998 (Journal Indexed in SCI)

- **Removal of mercury from aqueous solutions via polymer-enhanced ultrafiltration**
Uludag Y., Ozbelge H., Yilmaz L.
JOURNAL OF MEMBRANE SCIENCE, vol.129, pp.93-99, 1997 (Journal Indexed in SCI)
- **EFFECT OF FEED COMPOSITION ON THE PERFORMANCE OF POLYMER-ZEOLITE MIXED MATRIX GAS SEPARATION MEMBRANES**
BATTAL T., BAC N., YILMAZ L.
SEPARATION SCIENCE AND TECHNOLOGY, vol.30, pp.2365-2384, 1995 (Journal Indexed in SCI)
- **GAS PERMEATION CHARACTERISTICS OF POLYMER-ZEOLITE MIXED MATRIX MEMBRANES**
SUER M., BAC N., YILMAZ L.
JOURNAL OF MEMBRANE SCIENCE, vol.91, pp.77-86, 1994 (Journal Indexed in SCI)
- **DEVELOPMENT OF A MIXED-MATRIX MEMBRANE FOR PERVAPORATION**
OKUMUS E., GURKAN T., YILMAZ L.
SEPARATION SCIENCE AND TECHNOLOGY, vol.29, pp.2451-2473, 1994 (Journal Indexed in SCI)
- **Further comments on the diffusion equations for membrane formation**
McHugh A., YILMAZ L.
Journal of Membrane Science, vol.43, pp.319-323, 1989 (Journal Indexed in SCI)
- **MODELING OF ASYMMETRIC MEMBRANE FORMATION .2. THE EFFECTS OF SURFACE BOUNDARY-CONDITIONS**
YILMAZ L., MCHUGH A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.35, pp.1967-1979, 1988 (Journal Indexed in SCI)
- **GLASS-TRANSITION, CRYSTALLIZATION AND THERMOREVERSIBLE GELATION IN TERNARY PPO SOLUTIONS - RELATIONSHIP TO ASYMMETRIC MEMBRANE FORMATION**
BURGHARDT W., YILMAZ L., MCHUGH A.
POLYMER, vol.28, pp.2085-2092, 1987 (Journal Indexed in SCI)
- **MODELING OF ASYMMETRIC MEMBRANE FORMATION .1. CRITIQUE OF EVAPORATION MODELS AND DEVELOPMENT OF A DIFFUSION EQUATION FORMALISM FOR THE QUENCH PERIOD**
YILMAZ L., MCHUGH A.
JOURNAL OF MEMBRANE SCIENCE, vol.28, pp.287-310, 1986 (Journal Indexed in SCI)
- **MODELING OF ASYMMETRIC MEMBRANE FORMATION**
YILMAZ L., MCHUGH A.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.192, pp.192-191, 1986 (Journal Indexed in SCI)
- **ANALYSIS OF NONSOLVENT SOLVENT POLYMER PHASE-DIAGRAMS AND THEIR RELEVANCE TO MEMBRANE FORMATION MODELING**
YILMAZ L., MCHUGH A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.31, pp.997-1018, 1986 (Journal Indexed in SCI)
- **DIFFUSION EQUATIONS FOR POLYMER MEMBRANE FORMATION IN TERNARY SYSTEMS.**
McHugh A., Yilmaz L.
Journal of polymer science. Part A-2, Polymer physics, vol.23, pp.1271-1274, 1985 (Journal Indexed in SCI)
- **ANOMALOUS DIFFUSION OF LIQUIDS IN GLASSY-POLYMERS**
YILMAZ L., TOSUN I., GURKAN T., GULCAT U.
MATHEMATICAL MODELLING, vol.4, pp.535-543, 1983 (Journal Indexed in SCI)
- **A NOTE ON PETERLINS FORMULATION OF CASE-II DIFFUSION**
YILMAZ L., TOSUN I.
JOURNAL OF POLYMER SCIENCE PART C-POLYMER LETTERS, vol.20, pp.569-571, 1982 (Journal Indexed in SCI)
- **ON THE FICKIAN DIFFUSION OF ORGANIC PENETRANTS IN GLASSY-POLYMERS**
TOSUN I., YILMAZ L.
POLYMER ENGINEERING AND SCIENCE, vol.22, pp.1043-1045, 1982 (Journal Indexed in SCI)

Books & Book Chapters

- **Iminobis-Alkylene Diol Function as Alternative Boron-Chelating Group:Its Incorporation into Various Polymer Topologies for Removalof Trace Boron Via Direct Sorption and Polymer-Enhanced Ultrafiltration**
hasan z., YILMAZ L., önder ö., BIÇAK N.
in: Boron Separation Processes, Kabay Nalan,Bryjak Marek, Hilal Nidal, Editor, Elsevier, pp.169-197, 2015

Refereed Congress / Symposium Publications in Proceedings

- **Fouling Analysis for Different UF Membranes in Reactive Dyeing Wastewater Treatment**
ZAF R. D. , Oruc B. K. , ERKANLI M., YILMAZ L., YETİŞ Ü., Culfaz-Emecen Z.
Frontiers International Conference on Wastewater Treatment (FICWTM), Palermo, Italy, 21 - 24 May 2017, vol.4, pp.650-655
- **Recovery and reuse of reactive dyeing wastewater using a sequential ultrafiltration process**
ERKANLI M., YILMAZ L., ÇULFAZ EMECEN P. Z. , koçer b., YETİŞ Ü., ZAF R. D.
International Workshop Reuse of Recovered Wastewater Treated by Membrane Separation Methods in Process Water Production, Cultivation of Energy Plant and Landscpe Activitie, 6 - 08 February 2017
- **Recovery of brackish water from reactive dyeing wastewater by ultrafiltration**
ERKANLI M., BURCU K., ZAF R. D. , YILMAZ L., ÇULFAZ EMECEN P. Z. , YETİŞ Ü.
Conference on Membranes in Drinking and Industrial Water Production, 6 - 08 February 2017
- **Asimetrik Poliimid Gaz Ayırım Membranlarının Hazırlanması ve Karakterizasyonu**
KALIPÇILAR H., YILMAZ L., TÜZÜN ANTEPLİ B.
Ulusal Kimya Mühendisliği Kongresi 2016, Turkey, 23 - 26 August 2016
- **Nanofiltration for the Removal of Sulfate in Drinking Water Resources**
KARABACAK A., DİLEK F. B. , YILMAZ L., KİTİŞ M., YETİŞ Ü.
2nd South East European Conference on Sustainable Development of Energy, Water and Environment Systems, Piran, Slovenia, 15 - 18 June 2016
- **Process Optimization on Water Recovery From Real Reactive Dyeing Effluents**
Koçer B., ERKANLI M., ZAF R. D. , YILMAZ L., YETİŞ Ü., ÇULFAZ EMECEN P. Z.
PERMEA, 15 - 19 May 2016
- **Recovery and reuse of reactive dyeing wastewater by ultrafiltration**
ERKANLI M., Kocer B., Zaf R., YILMAZ L., Culfaz-Emecen Z., YETİŞ Ü.
26th Annual Meeting of the North American Membrane Society, NAMS 2016, Washington, United States Of America, 21 - 25 May 2016, pp.160-161
- **Asymmetric Mixed Matrix PES ZIF 8 Membrane for CO2 Removal from CH4**
YILMAZ L., KALIPÇILAR H., TÜZÜN ANTEPLİ B.
Euromembrane 2015, Aachen, Germany, 6 - 10 September 2015
- **Elif İrem SENYURT Levent YILMAZ Halil KALIPÇILAR**
ŞENYURT E. İ. , YILMAZ L., KALIPÇILAR H.
Euromembrane 2015, 7 - 10 September 2015
- **Preparation And Characterization of Polymer Blend Based Mixed Matrix Membranes**
YILMAZ L., KALIPÇILAR H., Melis K.
EuroMembrane2015, Aachen, Germany, 6 - 10 September 2015
- **Development of ZIF 8 PVA Mixed Matrix Pervaporation Membranes**
YILMAZ L., KALIPÇILAR H., ŞENYURT E. İ.
Euromembrane 2015, Aachen, Germany, 6 - 10 September 2015
- **Production of xylooligosaccharides from cotton and tobacco stalk**
Akpınar O., Erdogan K., Ak O., Bakir U., Yilmaz L.
13th European Congress on Biotechnology (ECB 13), Barcelona, Spain, 16 - 19 September 2007, vol.131

● **Removal and recovery of heavy metals from industrial waste streams by means of a hybrid-precipitation and polymer enhanced ultrafiltration**

Islamoglu S., YILMAZ L., Özbelge H. Ö.

2006 AIChE Spring National Meeting, Orlando, FL, United States Of America, 23 - 27 April 2006

● **MODELLING OF ASYMMETRIC MEMBRANE FORMATION.**

McHugh A., Yilmaz L.

Polymer Preprints. Papers Presented at the Anaheim, California Meeting,, Anaheim, CA, USA, vol.27, pp.378-379

Supported Projects

ÇULFAZ EMECEN P. Z. , YILMAZ L., ÇAĞLAR T., Project Supported by Higher Education Institutions, Misel Destekli Ultrafiltrasyon ile Aseton-Bütanol-Etanol-Su Karışımlarından Bütanol Eldesi, 2020 - Continues

KALIPÇILAR H., ÇOLPANKAN M. O. , YILMAZ L., ORUÇ D., Project Supported by Higher Education Institutions, ZIF Katkılı PEBAX ve PES Karışık Matrisli Membranlar ile Gaz Ayırımı, 2018 - 2019

YILMAZ L., KARĞILI M., Project Supported by Higher Education Institutions, POLİMER HARMANLAMA YÖNTEMİYLE GAZ AYIRMA MEMBRANI GELİŞTİRİLMESİ VE KARAKTERİZASYONU, 2014 - 2015

YILMAZ L., Project Supported by Higher Education Institutions, FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, 2014 - 2014

YILMAZ L., Project Supported by Higher Education Institutions, Organik - İnorganik Karışık Matrisli Membranların Üretimi Ve Karakterizasyonu, 2011 - 2011

YILMAZ L., Project Supported by Higher Education Institutions, Polimer/zeolit Kompozit Membranlarının Gaz Ayırım Performanslarına Süreç Değişkenlerinin Etkisinin Araştırılması, 2010 - 2010

YILMAZ L., Project Supported by Higher Education Institutions, Baskı Ve Ambalaj Sanayii Orijinli Çözücü Karışımlarının Pervaporasyon Yöntemi İle Susuzlaştırılması Ve Geri Kazanımı, 2009 - 2009

Activities in Scientific Journals

Separation Science And Technology, Committee Member, 2009 - Continues

Memberships / Tasks in Scientific Organizations

Çağrılı Projeler Danışma Kurulu, Member, 2017 - 2018

Scientific Refereeing

SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, November 2019

JOURNAL OF MEMBRANE SCIENCE, SCI Journal, October 2019

JOURNAL OF MEMBRANE SCIENCE, SCI Journal, October 2019

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, October 2019

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, October 2019

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, October 2019

JOURNAL OF MEMBRANE SCIENCE, SCI Journal, August 2019

TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, August 2019

TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Middle East Technical University, Turkey, July 2019

JOURNAL OF MEMBRANE SCIENCE, SCI Journal, June 2019
JOURNAL OF MEMBRANE SCIENCE, SCI Journal, May 2019
SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, April 2019
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Middle East Technical University, Turkey, April 2019
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, April 2019
JOURNAL OF MEMBRANE SCIENCE, SCI Journal, March 2019
JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, SCI Journal, February 2019
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, February 2019
INTERNATIONAL JOURNAL OF INDUSTRIAL CHEMISTRY, Journal Indexed in SCI-E, January 2019
TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey, January 2019
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, December 2018
CHEMICAL ENGINEERING & TECHNOLOGY, SCI Journal, November 2018
JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, SCI Journal, November 2018
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, November 2018
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, November 2018
SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, September 2018
JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, SCI Journal, September 2018
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, August 2018
JOURNAL OF MEMBRANE SCIENCE, SCI Journal, July 2018
JOURNAL OF MEMBRANE SCIENCE, SCI Journal, July 2018
JOURNAL OF MEMBRANE SCIENCE, SCI Journal, July 2018
SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, May 2018
JOURNAL OF MEMBRANE SCIENCE, SCI Journal, May 2018
SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal, May 2018
JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, SCI Journal, January 2018

Citations

Total Citations (WOS):2690

h-index (WOS):31

Awards

Yılmaz L., TÜBİTAK Teşvik Ödülü, Tübitak, May 1995