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Advising Theses

AKBULUT U, TOPPARE L. K. , Immobilization of saccharomyces cerevisiae in graft copolymers of pyrrole, Postgraduate, Z.BALCI(Student), 2001

AKBULUT U, Electrochemically prepared conducting polymer grafts of pyrrole, Doctorate, N.BALCI(Student), 1997

AKBULUT U, Electrochemically prepared conducting polymer grafts of pyrrole, Doctorate, N.Balci(Student), 1997

AKBULUT U, Conducting polymer blends of polythiophene, Doctorate, S.Yiğit(Student), 1996

TOPPARE L. K. , AKBULUT U, Electrochemically obtained insulating and conducting polymers and composites of acrylonitrile., Doctorate, B.YURTTAŞ(Student), 1996

AKBULUT U, Conduction polymer blends of polythiophene, Doctorate, S.YİĞİT(Student), 1996

AKBULUT U, TOPPARE L. K. , Synthesis of polythiophene conducting polymer composites, Postgraduate, F.VATANSEVER(Student), 1995

AKBULUT U, Immobilization of invertase and a-amylase using different support systems by chemical crosslinking, Postgraduate, E.Emregül(Aysu)(Student), 1993

AKBULUT U, Immobilization of invertase and alpha-amilase using different support systems, Postgraduate, E.(AYSU)(Student), 1993

AKBULUT U, Isolation and immobilization of NADH-cytochrome b5 reductase from rabbit liver, Postgraduate, Ö.ESEN(Student), 1992

AKBULUT U, Conductivity and kinetic studies in the electroinitiated polymerization of N-vinylcarbazole, Postgraduate, H.ELİBOL(Student), 1991

AKBULUT U, Electrochemical synthesis of conducting polyaniline blends and their use as sensors, Postgraduate, S.DOĞAN(Student), 1991

AKBULUT U, Immobilization of alfa-amylase into photographic gelatin by chemical cross-linking, Postgraduate, Z.BAYRAMOĞLU(Student), 1990

AKBULUT U, Immobilization of a-amylase into photographic gelatin by chemical cross-linking, Postgraduate, Z.Bayramoğlu(Student), 1990

AKBULUT U, Electroinitiated polymerization of butadiene sulfone, Postgraduate, S.PINAR(Student), 1989

AKBULUT U, Electroinitiated copolymerization of indene with isoprene and b-methoxystyrene, Doctorate, A.Khurshid(Student), 1988

AKBULUT U, Electroinitiated copolymerization of indene with isoprene and B-methoxystyrere, Doctorate, K.ALİ(Student), 1988

AKBULUT U, Electroinitated cationic homo and copolymerization of indene, styrene and some styrene derivations., Doctorate, S.Eren(Student), 1984

AKBULUT U, The cathodic cleavage of aryl tetrazole ethers., Doctorate, L.K(Student), 1982

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

- Multi-authoring and its impact on university rankings: a case study of CERN effect on Turkish universities**

ÇAKIR M. P. , ACARTÜRK C., Alkan S., Akbulut U.

STUDIES IN HIGHER EDUCATION, vol.44, no.6, pp.1052-1068, 2019 (Journal Indexed in SSCI)

- II. **URAP-TR: a national ranking for Turkish universities based on academic performance**
Alasehir O., ÇAKIR M. P. , ACARTÜRK C., BAYKAL N., AKBULUT U.
SCIENTOMETRICS, vol.101, no.1, pp.159-178, 2014 (Journal Indexed in SCI)
- III. **The conductive polyaniline/poly(ethylene terephthalate) composite fabrics**
Kutunis S., Karakisla M., Akbulut U., Sacak M.
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, vol.38, no.2, pp.609-614, 2007 (Journal Indexed in SCI)
- IV. **Polyacrylamide-gelatine carrier system used for invertase immobilization**
Emregul E., Sungur S., Akbulut U.
FOOD CHEMISTRY, vol.97, no.4, pp.591-597, 2006 (Journal Indexed in SCI)
- V. **Immobilization of glucose oxidase onto gelatin for biosensor construction**
Emregul E., Sungur S., Akbulut U.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.16, no.4, pp.505-519, 2005 (Journal Indexed in SCI)
- VI. **Immobilization of yeast cells in several conducting polymer matrices**
Balci Z., Akbulut U., Toppare L., Alkan S., Bakir U., Yagci Y.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, vol.39, no.3, pp.183-197, 2002 (Journal Indexed in SCI)
- VII. **Immobilization of invertase in conducting polypyrrole polytetrahydrofuran graft polymer matrices**
Kizilyar N., Akbulut U., Toppare L., Ozden M., Yagci Y.
SYNTHETIC METALS, vol.104, no.1, pp.45-50, 1999 (Journal Indexed in SCI)
- VIII. **Conducting polymer composites of polypyrrole and a poly(arylene ether ketone)**
Selampinar F., Akbulut U., Toppare L.
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.37, no.3, pp.295-302, 1998 (Journal Indexed in SCI)
- IX. **Electrically conductive polymer grafts prepared by electrochemical polymerization of pyrrole onto poly[(methyl methacrylate)-co-(2-(N-pyrrolyl) ethyl methacrylate)] electrodes**
Balci N., Akbulut U., Toppare L., Stanke D., Hallensleben M.
TURKISH JOURNAL OF CHEMISTRY, vol.22, no.1, pp.73-80, 1998 (Journal Indexed in SCI)
- X. **Electrochemically obtained insulating and conducting polymers and composites of acrylonitrile**
Yilmaz B., Akbulut U., Toppare L.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, no.2, pp.261-291, 1998 (Journal Indexed in SCI)
- XI. **Polypyrrole grafts synthesized via electrochemical polymerization**
Balci N., Toppare L., Akbulut U., Stanke D., Hallensleben M.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, no.10, pp.1727-1739, 1998 (Journal Indexed in SCI)
- XII. **Spontaneous copolymerization of maleic anhydride and N-vinylimidazole in 1,4-dioxane .1. Charge transfer complexation and kinetics of the copolymerization**
Goksel C., Hacioglu B., Akbulut U.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.35, no.17, pp.3735-3743, 1997 (Journal Indexed in SCI)
- XIII. **Synthesis of a hexafluoropropylidene-bis(phthalic anhydride)-based polyimide and its conducting polymer composites with polypyrrole**
Selampinar F., Akbulut U., Yilmaz T., Gungor A., Toppare L.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.35, no.14, pp.3009-3016, 1997 (Journal Indexed in SCI)
- XIV. **Polypyrrole grafts with poly[(methyl methacrylate)-co-(2-(N-pyrrolyl) ethyl methacrylate)]**
Balci N., Akbulut U., Toppare L., Stanke D., Hallensleben M.
MATERIALS RESEARCH BULLETIN, vol.32, no.10, pp.1449-1458, 1997 (Journal Indexed in SCI)
- XV. **Immobilization of invertase in conducting polymer matrices**
Selampinar F., Akbulut U., Ozden M., Toppare L.

- BIOMATERIALS, vol.18, no.17, pp.1163-1168, 1997 (Journal Indexed in SCI)
- XVI. **Synthesis of a novel poly(arylene ether ketone) and its conducting composites with polypyrrole**
Selampinar F., Akbulut U., Yildiz E., Gungor A., Toppare L.
SYNTHETIC METALS, vol.89, no.2, pp.111-117, 1997 (Journal Indexed in SCI)
- XVII. **Conducting polymer composites of polypyrrole and polyimide**
Selampinar F., Akbulut U., Toppare L.
SYNTHETIC METALS, vol.84, pp.185-186, 1997 (Journal Indexed in SCI)
- XVIII. **A pyrolysis mass spectrometry study of polythiophene - Natural rubber and polythiophene - Synthetic rubber conducting polymer composites**
Yigit S., HACALOĞLU J., AKBULUT U., Toppare L.
Synthetic Metals, vol.84, pp.205-206, 1997 (Journal Indexed in SCI)
- XIX. **Thermal degradation of polythiophene-natural rubber and polythiophene-synthetic rubber conducting polymer composites**
HACALOĞLU J., Yiğit S., AKBULUT U., Toppare L.
Polymer, vol.38, no.20, pp.5119-5124, 1997 (Journal Indexed in SCI)
- XX. **Conducting polymer composites of polypyrrole and polyindene**
Bozkurt A., Akbulut U., Toppare L.
SYNTHETIC METALS, vol.82, no.1, pp.41-46, 1996 (Journal Indexed in SCI)
- XXI. **Conducting composites of polypyrrole with polytetramethylbisphenol A carbonate**
Kalaycioglu E., Akbulut U., Toppare L.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.61, no.7, pp.1067-1075, 1996 (Journal Indexed in SCI)
- XXII. **Effect of chromium salts on invertase immobilization onto carboxymethylcellulose-gelatine carrier system**
Emregul E., Sungur S., Akbulut U.
BIOMATERIALS, vol.17, no.14, pp.1423-1427, 1996 (Journal Indexed in SCI)
- XXIII. **Conducting polymer composites of polythiophene with natural and synthetic rubbers**
Yigit S., HACALOĞLU J., AKBULUT U., Toppare L.
Synthetic Metals, vol.79, no.1, pp.11-16, 1996 (Journal Indexed in SCI)
- XXIV. **Conductive polyaniline poly(methyl methacrylate) films obtained by electropolymerization**
Karakisla M., Sacak M., Akbulut U.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.59, no.9, pp.1347-1354, 1996 (Journal Indexed in SCI)
- XXV. **A pyrolysis mass spectrometry study of polythiophene-polyamide composites**
Vatansever F., AKBULUT U., TOPPARE L. K., HACALOĞLU J.
Polymer, vol.37, no.7, pp.1103-1107, 1996 (Journal Indexed in SCI)
- XXVI. **A conducting composite of polythiophene: Synthesis and characterization**
Vatansever F., Hacaloglu J., Akbulut U., Toppare L.
Polymer International, vol.41, no.3, pp.237-244, 1996 (Journal Indexed in SCI)
- XXVII. **STABILITY AND STORAGE-CONDITIONS OF NADH-CYTOCHROME B5 REDUCTASE CROSS-LINKED INTO GELATIN BY CHROMIUM(III) ACETATE**
YILDIRIM O., AKBULUT U., ARINC E., SUNGUR S.
BIOMATERIALS, vol.15, no.8, pp.587-592, 1994 (Journal Indexed in SCI)
- XXVIII. **RELATIONSHIP BETWEEN CATHODIC PEAK POTENTIALS AND THEORETICALLY CALCULATED LUMO ENERGIES OF SOME 2-PHENYL BENZOXAZOLE DERIVATIVES**
GULLU M., YALCIN I., SENER E., TURKER L., CELEBI N., AKBULUT U.
BULLETIN DES SOCIETES CHIMIQUES BELGES, vol.103, no.3, pp.87-90, 1994 (Journal Indexed in SCI)
- XXIX. **IMMOBILIZATION OF BETA-GALACTOSIDASE ONTO GELATIN BY GLUTARALDEHYDE AND CHROMIUM(III) ACETATE**
SUNGUR S., AKBULUT U.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.59, no.3, pp.303-306, 1994 (Journal Indexed in SCI)
- XXX. **A CONDUCTING COMPOSITE OF POLYPYRROLE .1. SYNTHESIS AND CHARACTERIZATION**

- SELAMPINAR F., AKBULUT U., YALCIN T., SUZER S., TOPPARE L.
SYNTHETIC METALS, vol.62, no.3, pp.201-206, 1994 (Journal Indexed in SCI)
- XXXI. **IMMOBILIZATION OF NADH-CYTOCHROME B5 REDUCTASE INTO GELATIN BY CROSS-LINKING**
YILDIRIM O., AKBULUT U., ARINC E., SUNGUR S.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, pp.19-28, 1994 (Journal Indexed in SCI)
- XXXII. **KINETIC-STUDIES IN THE ELECTROINITIATED POLYMERIZATION OF N-VINYLCARBAZOLE AND RELATED CONDUCTING POLYMER COMPOSITES**
ELIBOL H., HACIOGLU B., AKBULUT U., TOPPARE L.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, no.5, pp.593-611, 1994 (Journal Indexed in SCI)
- XXXIII. **CONDUCTING POLYMERS OF ANILINE .2. A COMPOSITE AS A GAS SENSOR**
DOGAN S., AKBULUT U., YALCIN T., SUZER S., TOPPARE L.
SYNTHETIC METALS, vol.60, no.1, pp.27-30, 1993 (Journal Indexed in SCI)
- XXXIV. **COMBINED IR AND MASS-SPECTROMETRIC ANALYSIS OF EVOLVED GASES DURING PYROLYSIS OF POLYMERS**
YALCIN T., AKBULUT U., SUZER S.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, pp.55-59, 1993 (Journal Indexed in SCI)
- XXXV. **GLUCOSE-OXIDASE IMMOBILIZED ON GELATIN BY VARIOUS CROSS-LINKERS**
ELCIN Y., SUNGUR S., AKBULUT U.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, pp.137-147, 1993 (Journal Indexed in SCI)
- XXXVI. **CONDUCTING POLYMERS OF ANILINE .1. ELECTROCHEMICAL SYNTHESIS OF A CONDUCTING COMPOSITE**
DOGAN S., AKBULUT U., TOPPARE L.
SYNTHETIC METALS, vol.53, no.1, pp.29-35, 1992 (Journal Indexed in SCI)
- XXXVII. **IMMOBILIZATION OF ALPHA-AMYLASE INTO GELATIN FILMS WITH VARIOUS CROSS-LINKERS**
BAYRAMOGLU Z., AKBULUT U., SUNGUR S.
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.2, no.5, pp.427-432, 1992 (Journal Indexed in SCI)
- XXXVIII. **STUDIES ON IMMOBILIZATION OF UREASE IN GELATIN BY CROSS-LINKING**
SUNGUR S., ELCIN Y., AKBULUT U.
BIOMATERIALS, vol.13, no.11, pp.795-800, 1992 (Journal Indexed in SCI)
- XXXIX. **IMMOBILIZATION OF UREASE INTO CARBOXYMETHYLCELLULOSE - GELATIN SYSTEM**
SUNGUR S., ELCIN Y., AKBULUT U.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, vol.29, pp.251-265, 1992 (Journal Indexed in SCI)
- XL. **POLYESTER FILM STRIPS COATED WITH PHOTOGRAPHIC GELATIN CONTAINING IMMOBILIZED GLUCOSE-OXIDASE HARDENED BY CHROMIUM(III) SULFATE**
ELCIN Y., AKBULUT U.
BIOMATERIALS, vol.13, no.3, pp.156-161, 1992 (Journal Indexed in SCI)
- XLI. **IMMOBILIZATION OF ALPHA-AMYLASE INTO PHOTOGRAPHIC GELATIN BY CHEMICAL CROSS-LINKING**
BAYRAMOGLU Z., AKBULUT U., SUNGUR S.
BIOMATERIALS, vol.13, no.10, pp.704-708, 1992 (Journal Indexed in SCI)
- XLII. **ELECTROINITIATED POLYMERIZATION OF BUTADIENE SULFONE**
AYBAR S., HACIOGLU B., AKBULUT U.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.29, no.13, pp.1971-1976, 1991 (Journal Indexed in SCI)
- XLIII. **ELECTROINITIATED POLYMERIZATION OF MALEIC-ANHYDRIDE BY DIRECT ELECTRON-TRANSFER**
AKBULUT U., HACIOGLU B.

JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.29, no.2, pp.219-224, 1991 (Journal Indexed in SCI)

- XLIV. **CHARACTERIZATION OF ELECTROINITIATED AND RADIATION POLYMERIZED POLY(BUTADIENE SULFONE)**
HACIOGLU B., SUZER S., AKBULUT U., TOPPARE L., AYBAR P., UTLEY J.
JOURNAL OF MACROMOLECULAR SCIENCE-CHEMISTRY, pp.329-345, 1991 (Journal Indexed in SCI)
- XLV. **POLYMERIZATION OF MALEIC-ANHYDRIDE INITIATED BY IMIDAZOLE**
HACIOGLU B., AKBULUT U.
JOURNAL OF MACROMOLECULAR SCIENCE-CHEMISTRY, pp.53-58, 1991 (Journal Indexed in SCI)
- XLVI. **POLYESTER FILM STRIPS COATED WITH PHOTOGRAPHIC GELATIN CONTAINING IMMOBILIZED INVERTASE**
AKBULUT U., SUNGUR S., PEKYARDIMCI S.
JOURNAL OF MACROMOLECULAR SCIENCE-CHEMISTRY, pp.239-247, 1991 (Journal Indexed in SCI)
- XLVII. **ELECTROINITIATED COPOLYMERIZATION OF INDENE WITH BETA-METHOXYSTYRENE**
AKBULUT U., KHURSHID A., HACIOGLU B., TOPPARE L.
POLYMER, vol.31, no.7, pp.1343-1346, 1990 (Journal Indexed in SCI)
- XLVIII. **ELECTRO-INITIATED POLYMERIZATION OF BIS-(2,4,6-TRIBROMOPHENOXY) ETHYLENEDIAMINE COPPER(II) COMPLEX IN DMF AND ITS KINETIC-STUDY BY CYCLIC VOLTAMMETRY**
TOPPARE L., TUKER L., YIGIT S., KISAKUREK D., AKBULUT U.
EUROPEAN POLYMER JOURNAL, vol.26, no.3, pp.255-259, 1990 (Journal Indexed in SCI)
- XLIX. **ELECTROINITIATED POLYMERIZATION OF BIS(TRIBROMOPHENOXY)-N,N,N',N'-TETRAMETHYLETHYLENEDIAMINE COPPER(II) COMPLEX**
AKBULUT U., SACAK M., KISAKUREK D., TOPPARE L.
BRITISH POLYMER JOURNAL, vol.22, no.1, pp.65-71, 1990 (Journal Indexed in SCI)
- L. **ELECTROINITIATED POLYMERIZATION OF N-VINYLCARBAZOLE BY DIRECT ELECTRON-TRANSFER**
SACAK M., AKBULUT U., HACIOGLU B.
JOURNAL OF MACROMOLECULAR SCIENCE-CHEMISTRY, no.8, pp.1041-1052, 1990 (Journal Indexed in SCI)
- LI. **ELECTROINITIATED POLYMERIZATION OF ACRROLEIN BY DIRECT AND INDIRECT ELECTRON-TRANSFER VIA CONTROLLED POTENTIAL ELECTROLYSIS**
TOPPARE L., HACIOGLU B., AKBULUT U.
JOURNAL OF MACROMOLECULAR SCIENCE-CHEMISTRY, no.3, pp.317-330, 1990 (Journal Indexed in SCI)
- LII. **ELECTROINITIATED POLYMERIZATION OF ACRYLAMIDE BY DIRECT ELECTRON-TRANSFER**
HACIOGLU B., AKBULUT U., TOPPARE L.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.27, no.11, pp.3875-3880, 1989 (Journal Indexed in SCI)
- LIII. **ELECTROINITIATED POLYMERIZATION OF BIS(4-BROMO-2,6-DICHLOROPHENOXY)N,N,N',N'-TETRAMETHYLETHYLENEDIAMINE COPPER(II) COMPLEX**
SACAK M., AKBULUT U., KISAKUREK D., TOPPARE L.
POLYMER, vol.30, no.5, pp.928-932, 1989 (Journal Indexed in SCI)
- LIV. **ELECTROINITIATED POLYMERIZATION OF BIS(TRICHLOROPHENOXY)-TETRAMETHYLETHYLENE DIAMINE COPPER(II)**
SACAK M., AKBULUT U., KISAKUREK D., TURKER L., TOPPARE L.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.27, no.5, pp.1599-1608, 1989 (Journal Indexed in SCI)
- LV. **POLYMERIZATION OF BIS(TRICHLOROPHENOXY) ETHYLENEDIAMINE COPPER (II) COMPLEX BY ELECTRO-OXIDATION**
YIGIT S., KISAKUREK D., TURKER L., TOPPARE L., AKBULUT U.
POLYMER, vol.30, no.2, pp.348-352, 1989 (Journal Indexed in SCI)
- LVI. **ELECTROINITIATED POLYMERIZATION OF THE BIS(2,6-DIBROMO-4-CHLOROPHENOXY)-N,N,N',N'-TETRAMETHYLETHYLENEDIAMINE COPPER (II) COMPLEX**
AKBULUT U., SACAK M., KISAKUREK D., TOPPARE L.

- JOURNAL OF MACROMOLECULAR SCIENCE-CHEMISTRY, no.12, pp.1623-1635, 1989 (Journal Indexed in SCI)
- LVII. **ELECTROINITIATED POLYMERIZATION OF HALOPHENOLS - ELECTROINITIATION POTENTIAL LUMO RELATIONS**
TURKER L., KISAKUREK D., SEN S., TOPPARE L., AKBULUT U.
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS, vol.26, no.12, pp.2485-2498, 1988 (Journal Indexed in SCI)
- LVIII. **ELECTROINITIATED POLYMERIZATION OF ACRYLONITRILE**
YURTTAS B., TOPPARE L., AKBULUT U.
JOURNAL OF MACROMOLECULAR SCIENCE-CHEMISTRY, no.2, pp.219-230, 1988 (Journal Indexed in SCI)
- LIX. **ELECTROINITIATED COPOLYMERIZATION OF ISOPRENE WITH INDENE**
KHURSHID A., TOPPARE L., AKBULUT U.
POLYMER COMMUNICATIONS, vol.28, no.9, pp.269-271, 1987 (Journal Indexed in SCI)
- LX. **ELECTROINITIATED CATIONIC COPOLYMERIZATION OF 4-BROMOSTYRENE AND ALPHA-METHYLSTYRENE IN THE PRESENCE OF ULTRASONIC VIBRATION**
EREN S., TOPPARE L., AKBULUT U.
POLYMER COMMUNICATIONS, vol.28, no.1, pp.36-38, 1987 (Journal Indexed in SCI)
- LXI. **The redox behaviour of square-planar trans-dicyanodihalogenoaurate(III) complexes in acetonitrile**
HACALOĞLU J., Tunali N. K. , AKBULUT U.
Journal of the Chemical Society, Dalton Transactions, no.4, pp.715-717, 1984 (Journal Indexed in SCI)

Citations

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