

Prof. BURCU AKATA KURÇ

Personal Information

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Education Information

Doctorate, Northeastern University, Kimya Mühendisliği Bölümü, United States Of America 1998 - 2004

Under Graduate, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, Turkey
1994 - 1998

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Characterization of Acidity in Zeolite Beta, Northeastern University, Kimya Mühendisliği Bölümü, 2004

Research Areas

Chemical Engineering and Technology, Metallurgical and Materials Engineering

Academic Titles / Tasks

Associate Professor, Middle East Technical University, Graduate School of Natural and Applied Sciences, 2011 -
Continues

Professional Experience

Head of Department, Middle East Technical University, Graduate School of Natural and Applied Sciences, Mikro Ve
Nanoteknoloji (YI) (Tezli), 2016 - Continues

Deputy Head of Department, Middle East Technical University, Graduate School of Natural and Applied Sciences, 2012 -
2016

Advising Theses

AKATA KURÇ B., Modification of zeolites for biosensor applications, Doctorate, B.OZANSOY(Student), 2018

ÖZENBAŞ A. M. , AKATA KURÇ B., Production of inorganic charge selective layers for mesoscopic perovskite solar cells,
Doctorate, K.ÇAĞATAY(Student), 2018

TOFFOLÍ H., AKATA KURÇ B., Covalent and non-covalent functionalization of graphene for application in catalysis and

device technology: A first principles computational study, Doctorate, T.İRFAN(Student), 2017

ÖZENBAŞ A. M. , AKATA KURÇ B., Characterization and enhancement of IR optical and tribological properties of DLC films synthesized by RF-PECVD, Post Graduate, V.EREN(Student), 2017

ÖZENBAŞ A. M. , AKATA KURÇ B., Optical and electrical characterization of titanosilicate ets-10 thin films: Photochromism and ionic conductivity, Doctorate, S.GALİOĞLU(Student), 2015

AKATA KURÇ B., ÖZENBAŞ A. M. , Optical and electrical characterization of titanosilicate ETS-10 thin films: photochromism and ionic conductivity, Doctorate, S.Galioğlu(Student), 2015

TURAN R., AKATA KURÇ B., Synthesis and modification of titanosilicate ETS-10: Its role as host in host-guest systems, Post Graduate, M.İŞLER(Student), 2014

KAYNAK C., AKATA KURÇ B., Effects of oxidative functionalized and aminosilanized carbon nanotubes on the behaviours of polyamide-6 nanocomposites, Post Graduate, S.ŞANKAL(Student), 2013

TOFFOLİ H., AKATA KURÇ B., Modelling and experimental study of titanosilicate ETS-10: application for solar cells, Post Graduate, M.KOÇ(Student), 2013

TURAN R., AKATA KURÇ B., Preparation of functional surfaces using zeolite nanocrystals for biosensor and biomedical applications, Post Graduate, S.KAAN(Student), 2012

ÖZEN C., AKATA KURÇ B., Immobilization of proteins on zeolite and zeo-type materials for biosensor applications based on conductometric biosensors and ion sensitive field effect transistors, Post Graduate, E.SOY(Student), 2011

TURAN R., AKATA KURÇ B., Thickness determination of thin films by energy dispersive x-ray spectroscopy, Post Graduate, S.CANLI(Student), 2010

TURAN R., AKATA KURÇ B., Thickness analysis of thin films by energy dispersive x-ray spectroscopy, Post Graduate, S.Canlı(Student), 2010

TURAN R., AKATA KURÇ B., Immobilization of zeolite crystals on solid substrates for biosensor applications, Post Graduate, S.ÖZTÜRK(Student), 2010

PARLAK M., AKATA KURÇ B., Synthesis and characterization of titanosilicate ETS-10 for potential photovoltaic applications, Post Graduate, S.GALİOĞLU(Student), 2010

AKATA KURÇ B., Synthesis of Zeolite Beta for Composite Membranes, Post Graduate, N.GÜR(Student), 2006

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

- I. **One pot fusion route for the synthesis of zeolite 4A using kaolin**
Kirdeciler S. K. , Akata B.
Advanced Powder Technology, vol.31, no.10, pp.4336-4343, 2020 (Journal Indexed in SCI Expanded)
- II. **Development of antibacterial powder coatings using single and binary ion-exchanged zeolite A prepared from local kaolin**
İŞLER BİNAY M., KİRDECİLER S. K. , AKATA KURÇ B.
APPLIED CLAY SCIENCE, vol.182, 2019 (Journal Indexed in SCI)
- III. **The effect of microporous vanadosilicate AM-6 thin films as photocatalysts for the degradation of methylene blue**
Kuzyaka D., Galioglu S., ALTIN İ., Sokmen M., AKATA KURÇ B.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.366, pp.127-135, 2018 (Journal Indexed in SCI)
- IV. **New Mixed Conductivity Mechanisms in the Cold Plasma Device Based on Silver-Modified Zeolite Microporous Electronic Materials**
Koc S. O. , Galioglu S., ÖZTÜRK S., AKATA KURÇ B., Koc E., SALAMOV B.
JOURNAL OF ELECTRONIC MATERIALS, vol.47, no.5, pp.2791-2799, 2018 (Journal Indexed in SCI)
- V. **Low level NO gas sensing properties of Cu doped ZnO thin films prepared by SILAR method**
Corlu T., Karaduman I., Galioglu S., AKATA KURÇ B., YILDIRIM M. A. , ATEŞ A., ACAR S.
MATERIALS LETTERS, vol.212, pp.292-295, 2018 (Journal Indexed in SCI)
- VI. **Zeolite A coated Zn_{1-x}Cu_xO MOS sensors for NO gas detection**
Galioglu S., Karaduman I., Corlu T., AKATA KURÇ B., YILDIRIM M. A. , ATEŞ A., Acar S.

JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.29, no.2, pp.1356-1368, 2018 (Journal Indexed in SCI)

- VII. **Ionic conductivity of microporous titanosilicate ETS-10 and ion-exchanged Mn⁺-ETS-10 (where, Mn⁺ = Li⁺, Na⁺, Mg²⁺, Zn²⁺, Ca²⁺) thin films prepared by secondary growth method**
Galioglu S., ÇAM İ., AKATA KURÇ B.
MICROPOROUS AND MESOPOROUS MATERIALS, vol.250, pp.177-185, 2017 (Journal Indexed in SCI)
- VIII. **A Novel Amperometric Glutamate Biosensor Based on Glutamate Oxidase Adsorbed on Silicalite**
Soldatkina O. V., Soldatkin O. O., Kasap B. O., Kucherenko D. Y., Kucherenko I. S., AKATA KURÇ B., Dzyadevych S. V.
NANOSCALE RESEARCH LETTERS, vol.12, 2017 (Journal Indexed in SCI)
- IX. **Biosensors Based on Nano-Gold/Zeolite-Modified Ion Selective Field-Effect Transistors for Creatinine Detection**
Kasap B. O., Marchenko S. V., Soldatkin O. O., Dzyadevych S. V., AKATA KURÇ B.
NANOSCALE RESEARCH LETTERS, vol.12, 2017 (Journal Indexed in SCI)
- X. **Secondary growth of microporous vanadosilicate AM-6 films**
Kuzyaka D., Galioglu S., AKATA KURÇ B.
JOURNAL OF POROUS MATERIALS, vol.23, no.5, pp.1319-1327, 2016 (Journal Indexed in SCI)
- XI. **Creatinine Deiminase Adsorption onto Silicalite-Modified pH-FET for Creation of New Creatinine-Sensitive Biosensor**
Marchenko S. V., Soldatkin O. O., Kasap B. O., AKATA KURÇ B., Soldatkin A. P., Dzyadevych S. V.
NANOSCALE RESEARCH LETTERS, vol.11, 2016 (Journal Indexed in SCI)
- XII. **Effects of pressure and electric field on the charge transport mechanisms in the silver-modified-zeolite porous microstructure**
Koc S. O., Koseoglu K., Galioglu S., AKATA KURÇ B., SALAMOV B.
MICROPOROUS AND MESOPOROUS MATERIALS, vol.223, pp.18-26, 2016 (Journal Indexed in SCI)
- XIII. **A Novel Conductometric Urea Biosensor with Improved Analytical Characteristic Based on Recombinant Urease Adsorbed on Nanoparticle of Silicalite**
Velychko T. P., Soldatkin O. O., Melnyk V. G., Marchenko S. V., Kirdeciler S. K., AKATA KURÇ B., Soldatkin A. P., El'skaya A. V., Dzyadevych S. V.
NANOSCALE RESEARCH LETTERS, vol.11, 2016 (Journal Indexed in SCI)
- XIV. **Development of Silicalite/Glucose Oxidase-Based Biosensor and Its Application for Glucose Determination in Juices and Nectars**
Dudchenko O. Y., Pyeshkova V. M., Soldatkin O. O., AKATA KURÇ B., Kasap B. O., Soldatkin A. P., Dzyadevych S. V.
NANOSCALE RESEARCH LETTERS, vol.11, 2016 (Journal Indexed in SCI)
- XV. **Nanosized zeolites as a perspective material for conductometric biosensors creation**
Kucherenko I., Soldatkin O., Kasap B. O., Kirdeciler S. K., AKATA KURÇ B., Jaffrezic-Renault N., Soldatkin A., Lagarde F., Dzyadevych S.
NANOSCALE RESEARCH LETTERS, vol.10, 2015 (Journal Indexed in SCI)
- XVI. **Application of silicalite-modified electrode for the development of sucrose biosensor with improved characteristics**
Pyeshkova V. M., Dudchenko O. Y., Soldatkin O. O., Kasap B. O., Lagarde F., AKATA KURÇ B., Dzyadevych S. V.
NANOSCALE RESEARCH LETTERS, vol.10, 2015 (Journal Indexed in SCI)
- XVII. **Nano- and micro-sized zeolites as a perspective material for potentiometric biosensors creation**
Soldatkin O. O., Shelyakina M. K., Arkhypova V. N., Soy E., Kirdeciler S. K., Kasap B. O., Lagarde F., Jaffrezic-Renault N., AKATA KURÇ B., Soldatkin A. P., et al.
NANOSCALE RESEARCH LETTERS, vol.10, 2015 (Journal Indexed in SCI)
- XVIII. **Understanding the Effects of Ion-Exchange in Titanosilicate ETS-10: A Joint Theoretical and Experimental Study**
Koc M., Galioglu S., Toffoli D., TOFFOLI H., AKATA KURÇ B.
JOURNAL OF PHYSICAL CHEMISTRY C, vol.118, no.47, pp.27281-27291, 2014 (Journal Indexed in SCI)
- XIX. **Photochromic behavior of silver nanoparticle incorporated titanosilicate ETS-10 films**

Galioglu S, İŞLER BİNAY M., Demircioglu Z., Koc M., Vocanson F., Destouches N., TURAN R., AKATA KURÇ B. MICROPOROUS AND MESOPOROUS MATERIALS, vol.196, pp.136-144, 2014 (Journal Indexed in SCI)

- XX. **Application of enzyme/zeolite sensor for urea analysis in serum**
Soldatkin O. O. , Kucherenko I. S. , Marchenko S. V. , Kasap B. O. , AKATA KURÇ B., Soldatkin A. P. , Dzyadevych S. V. MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.42, pp.155-160, 2014 (Journal Indexed in SCI)
- XXI. **Urease-based ISFET biosensor for arginine determination**
Sheliakina M., Arkhypova V., Soldatkin O., Saiapina O., AKATA KURÇ B., Dzyadevych S. TALANTA, vol.121, pp.18-23, 2014 (Journal Indexed in SCI)
- XXII. **Study of zeolite influence on analytical characteristics of urea biosensor based on ion-selective field-effect transistors**
Shelyakina M. K. , Soldatkin O. O. , Arkhypova V. M. , Kasap B. O. , AKATA KURÇ B., Dzyadevych S. V. NANOSCALE RESEARCH LETTERS, vol.9, 2014 (Journal Indexed in SCI)
- XXIII. **Direct evidence of advantage of using nanosized zeolite Beta for ISFET-based biosensor construction**
Soy E., Galioglu S., Soldatkin O. O. , Dzyadevych S. V. , Warzywoda J., Sacco A., AKATA KURÇ B. JOURNAL OF NANOPARTICLE RESEARCH, vol.15, no.5, 2013 (Journal Indexed in SCI)
- XXIV. **Application of Different Zeolites for Improvement of the Characteristics of a pH-FET Biosensor Based on Immobilized Urease**
Soldatkin O. O. , Kucherenko I. S. , Shelyakina M. K. , Soy E., Kirdeciler K., ÖZTÜRK S., Jaffrezic-Renault N., AKATA KURÇ B., Dzyadevych S. V. , Soldatkin A. P. ELECTROANALYSIS, vol.25, no.2, pp.468-474, 2013 (Journal Indexed in SCI)
- XXV. **Investigation of characteristics of urea and butyrylcholine chloride biosensors based on ion-selective field-effect transistors modified by the incorporation of heat-treated zeolite Beta crystals**
Soy E., Arkhypova V., Soldatkin O., Shelyakina M., Dzyadevych S., Warzywoda J., Sacco A., AKATA KURÇ B. MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.32, no.7, pp.1835-1842, 2012 (Journal Indexed in SCI)
- XXVI. **Effect of different modifications of BEA-zeolites on operational characteristics of conductometric biosensor**
Kucherenko I. S. , Soldatkin O. O. , Soy E., Kirdeciler K., ÖZTÜRK S., AKATA KURÇ B., Jaffrezic-Renault N., Soldatkin A. P. , Dzyadevych S. V. MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.32, no.6, pp.1648-1653, 2012 (Journal Indexed in SCI)
- XXVII. **Influence of Composition of Zeolite/Enzyme Nanobiocomposites on Analytical Characteristics of Urea Biosensor Based on Ion-Selective Field-Effect Transistors**
Soldatkin O. O. , Soy E., Errachid A., Jaffrezic-Renault N., AKATA KURÇ B., Soldatkin A. P. , Dzyadevych S. V. SENSOR LETTERS, vol.9, no.6, pp.2320-2326, 2011 (Journal Indexed in SCI)
- XXVIII. **Conductometric enzyme biosensors based on natural zeolite clinoptilolite for urea determination**
Saiapina O. Y. , Pyeshkova V. M. , Soldatkin O. O. , Melnik V. G. , AKATA KURÇ B., Walcarius A., Dzyadevych S. V. , Jaffrezic-Renault N. MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.31, no.7, pp.1490-1497, 2011 (Journal Indexed in SCI)
- XXIX. **A novel urea conductometric biosensor based on zeolite immobilized urease**
Kirdeciler S. K. , Soy E., ÖZTÜRK S., Kucherenko I., Soldatkin O., Dzyadevych S., AKATA KURÇ B. TALANTA, vol.85, no.3, pp.1435-1441, 2011 (Journal Indexed in SCI)
- XXX. **Preparation and microstructural characterization of oriented titanosilicate ETS-10 thin films on indium tin oxide surfaces**
Galioglu S., Ismail M. N. , Warzywoda J., Sacco A., AKATA KURÇ B. MICROPOROUS AND MESOPOROUS MATERIALS, vol.131, pp.401-406, 2010 (Journal Indexed in SCI)
- XXXI. **Oriented assembly and nanofabrication of zeolite A monolayers**
ÖZTÜRK S., AKATA KURÇ B.

- MICROPOROUS AND MESOPOROUS MATERIALS, vol.126, no.3, pp.228-233, 2009 (Journal Indexed in SCI)
- XXXII. **Preparation and Characterization of Antibacterial Zeolite-Polyurethane Composites**
Kamisoglu K., ÇATMAN AKSOY E., AKATA KURÇ B., Hasirci N., BAÇ N.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.110, no.5, pp.2854-2861, 2008 (Journal Indexed in SCI)
- XXXIII. **Titanosilicate ETS-10 as a Lewis acid catalyst in the Meerwein-Ponndorf-Verley (MPV) reaction**
AKATA KURÇ B., Yilmaz B., Sacco A.
JOURNAL OF POROUS MATERIALS, vol.15, no.3, pp.351-357, 2008 (Journal Indexed in SCI)
- XXXIV. **Synthesis of antibacterial zeolite-polyurethane composites**
Kamisoglu K., Aksoy E. A. , AKATA KURÇ B., Bac N., Hasirci N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.234, 2007 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Humidity Sensing Behavior of Microporous Titanosilicate and Vanadosilicate Thin Films**
Davoudnezhad R., Kuzkaya D., ÇAM İ., AKATA KURÇ B.
MRS 2019 Fall Meeting Exhibit, Boston, United States Of America, 1 - 06 December 2019
- II. **FLY ASH TO ZEOLITE: EFFECT OF FLY ASH CHARACTERISTICS ON ZEOLITE 4A SYNTHESIS**
Akn Ş., Kirdeciler K. S. , KAZANÇ ÖZERİNÇ F., AKATA KURÇ B.
Clean Air 2019, 8 - 12 September 2019
- III. **Humidity Sensors Based on microporous Titanosilicate Vanadosilicate Thin Films**
Davoudnezhad R., Kuzkaya D., ÇAM İ., AKATA KURÇ B.
British Zeolit Association 42. Annual Meeting, 11 - 12 April 2019
- IV. **The Effect of Defects Created in Microporous Vanadosilicate AM-6 Thin Films in Photocatalysis**
KUZYAKA D., AKATA KURÇ B.
2018 MRS (Materials Research Society) Fall Meeting, 25 - 30 November 2018
- V. **The Effect of Defect Creation in Microporous Vanadosilicate AM-6 Thin Films on Their Photocatalytic Performances**
KUZYAKA D., GALİOĞLU S., ALTIN İ., SÖKMEN M., AKATA KURÇ B.
14th NANOSCIENCE AND NANOTECHNOLOGY CONFERENCE, 22 - 25 September 2018
- VI. **Fly Ash to Zeolite: Effect of Ash Characteristics on Zeolite Synthesis**
Kazanç Özerinç F., Akn S. Ş. , Akata Kurç B., Kirdeciler S. K.
37th International Symposium on Combustion, Dublin, Ireland, 29 July - 03 August 2018, pp.1
- VII. **The Effect Of Microporous Vanadosilicate AM-6 Thin Films As Photocatalysts For The Degradation Of Methylene Blue**
KUZYAKA D., GALİOĞLU S., ALTIN İ., SÖKMEN M., AKATA KURÇ B.
34th GFZ Congress, Cabourg, France, 26 - 29 March 2018
- VIII. **Exhaled breath analysis with Sn doped ZnO sensors for the identification and characterization of asthma disease**
Karaduman I., Çorlu T., Gali S., AKATA KURÇ B., YILDIRIM M. A. , ATEŞ A., Örkçü H. H. , ACAR S.
ANCON 2017, 5 - 07 October 2017, pp.129
- IX. **A Novel Amperometric Glutamate Biosensor Based on Glutamate Oxidase Adsorbed on Silicalite**
Ozansoy B., Dzyadevych S., AKATA KURÇ B.
Materials Research Society Meeting, 26 November - 01 December 2017
- X. **Biosensors Based on Nano-Gold/Zeolite-Modified Ion Selective Field-Effect Transistors for Creatinine Detection**
Ozansoy B., Dzyadevych S., AKATA KURÇ B.
Materials Research Society Meeting, 26 November - 01 December 2017
- XI. **Zn_{1-x}Cu_xO thin films for NO gas detection deposited by SILAR method**
Karaduman I., Çorlu T., Galioğlu S., AKATA KURÇ B., YILDIRIM M. A. , ATEŞ A., ACAR S.
NANOTR 13, 22 - 25 October 2017, pp.353

- XII. **Effect of microporous vanadosilicate AM-6 thin films as photocatalysts for the degradation of methylene blue**
 KUZYAKA D., Galioglu S., ALTIN İ., SÖKMEN M., AKATA KURÇ B.
 6th International conference on semiconductor photochemistry in Oldenburg, 12 - 15 September 2017
- XIII. **Effect of microporous AM-6 thin films as photocatalysts for the degradation of methylene blue**
 KUZYAKA D., Galioglu S., Altın i., SÖKMEN M., AKATA KURÇ B.
 6th International Conference on Semiconductor Photochemistry, 11 - 14 September 2017
- XIV. **Biocide activity of microporous titanasilicate ETS-10 containing volatile organic compound thymol**
 İşler Binay M., AKATA KURÇ B.
 7th FEZA Conference, 3 - 07 July 2017
- XV. **Understanding the effects of seed layer in the secondary growth of microporous vanadosilicate AM-6 films**
 KUZYAKA D., Galioglu S., AKATA KURÇ B.
 7th FEZA Conference, 3 - 07 July 2017
- XVI. **Humidity sensors developed based on ETS-10**
 Davoudnezhad R., Galioglu S., ÇAM İ., AKATA KURÇ B.
 7th FEZA Conference, 3 - 07 July 2017
- XVII. **Investigation of photocatalytic activities of vanadium silicate AM-6 thin films**
 KUZYAKA D., Galioglu S., altın i., SÖKMEN M., AKATA KURÇ B.
 7th FEZA Conference, 3 - 07 July 2017
- XVIII. **Fabrication of Zeolite modified Cu doped ZnO films and their response towards nitrogen monoxide**
 Karaduman I., Çorlu T., Galioglu S., AKATA KURÇ B., YILDIRIM M. A. , ATEŞ A., ACAR S.
 WASET 2017 ICCME ROME, 4 - 05 May 2017, pp.105
- XIX. **Impedance analysis and NO gas sensing performance of zeolite deposited Zn_{0.75}Cu_{0.25}O thin film**
 Çorlu T., Karaduman I., Galioglu S., AKATA KURÇ B., YILDIRIM M. A. , ATEŞ A., ACAR S.
 ICASA 2017, 29 - 31 March 2017, pp.53
- XX. **Design of Zeolite Modified Electrodes and Their Influence on Biosensor Performance**
 ozansoy kasap B., AKATA KURÇ B.
 Materials Research Society Meeting Fall 2016, 27 November - 02 December 2016
- XXI. **New multibiosensor device for diagnosis of diabetic nephropathy**
 Marchenko S., Soldatkin O., Kasap B., AKATA KURÇ B., Soldatkin A., Dzyadevych S.
 41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, vol.283, pp.349
- XXII. **Development of a New Biosensor by Adsorption of Creatinine Deiminase on Monolayers of Micro- and Nanoscale Zeolites**
 Marchenko S., Piliponskiy I. I. , Mamchur O. O. , Soldatkin O. O. , Kucherenko I. S. , Kasap B. O. , AKATA KURÇ B., Dzyadevych S., Soldatkin A. P.
 4th International Research and Practice Conference on Nanotechnology and Nanomaterials (NANO), Lviv, Ukraine, 24 - 27 August 2016, vol.195, pp.573-584
- XXIII. **Antimicrobial Paint Coating Containing Single and Binary Ion exchanged Zeolite A**
 isler m., AKATA KURÇ B.
 18th international Zeolite Conference, 19 - 24 June 2016
- XXIV. **Zeolite type Titanasilicate ETS 10 Thin Films as a Humidity Sensor**
 Galioglu S., ÇAM İ., AKATA KURÇ B.
 18th International Zeolite Conference, 19 - 24 June 2016
- XXV. **Resist Free Zeolite Patterning with Electron Beam Lithography Zeolite Lithography**
 KİRDECİLER S. K. , ÖZTÜRK S., AKATA KURÇ B.
 18th International Zeolite Conference, 19 - 24 June 2016
- XXVI. **Secondary Growth of Microporous Vanadosilicate AM 6 Films**
 KUZYAKA D., Galioglu S., AKATA KURÇ B.
 18th International Zeolite Conference, 19 - 24 June 2016

- XXVII. **NANOSIZED ZEOLITES AS A PERSPECTIVE MATERIAL FOR DEVELOPMENT OF ELECTROCHEMICAL ENZYME BIOSENSORS**
Kucherenko I, Soldatkin O, Saiapina O, Soy E, Ozansoy B, KİRDECİLER S. K. , ÖZTÜRK S., AKATA KURÇ B., Dzyadevych S.
International Porous and Powder Materials Symposium and Exhibition, 15 - 18 September 2015
- XXVIII. **SECONDARY GROWTH OF MİCROPOROUS VANADOSİLİCATE AM 6 FİLM S**
KUZYAKA D., Sezin G., AKATA KURÇ B.
International Porous and Powder Materials Symposium and Exhibition, 15 - 18 September 2015
- XXIX. **CONDUCTIVITY OF MİCROPOROUS TITANOSİLİCATE ETS 10 THIN FILMS PREPARED THROUGH SECONDARY GROWTH METHOD**
Sezin G., Ibrahim C., AKATA KURÇ B.
International Porous and Powder Materials Symposium and Exhibition, 15 - 18 September 2015
- XXX. **Controlled assemble and microfabrication of zeolite particles on SiO₂ substrates for potential biosensor applications**
ÖZTÜRK S., Kamisoglu K., TURAN R., AKATA KURÇ B.
Symposium on Materials, Devices, and Characterization for Smart Systems held at the 2008 MRS Fall Meeting, Massachusetts, United States Of America, 1 - 04 December 2008, vol.1129, pp.91-92
- XXXI. **Biocompatible polyurethane films incorporation with antibacterial silver loaded zeolites**
ÇATMAN AKSOY E., Kamisoglu K., AKATA KURÇ B., BAÇ N., Hasirci N.
Annual Tissue-Engineering-and-Regenerative-Medicine-International-Society-European-Chapter Meeting, Porto, Portugal, 01 June 2008, vol.14, pp.813

Supported Projects

- AKATA KURÇ B., İŞLER BİNAY M., Project Supported by Higher Education Institutions, TİMOL ORGANİK BİLEŞİĞİNİN YAPISINDA KUSUR OLUŞTURULMUŞ ETS-10 KRİSTALİ YÜZEYİNE BAĞLANMASI, 2018 - 2019
- AKATA KURÇ B., DAVOUDNEZHAD R., Project Supported by Higher Education Institutions, FARKLI YÖNTEMLER İLE NANOGÖZENEKLİ TİTANYUMSİLİKAT İNCE FİMLERİNDEN NEM SENSÖRÜ YAPIMININ ARAŞTIRILMASI, 2018 - 2019
- AKATA KURÇ B., AKIN S. Ş. , KAZANÇ ÖZERİNÇ F., Project Supported by Higher Education Institutions, UÇUCU KÜLDEN ZEOLİT ELDE EDİLMESİ: SENTEZ VE KARAKTERİZASYONU, 2018 - 2019
- TOKSOY KÖKSAL F., AKATA KURÇ B., KUTLU B. T. , Project Supported by Higher Education Institutions, KAOLEN ARA KATKILI KÖMÜR YATAKLARINDAKİ GANG KAOLENİN SENTETİK ZEOLİT ÜRETİMİNDE KULLANILABİLİRLİĞİ VE EKONOMİYE KAZANDIRILMASI, 2018 - 2019
- AKATA KURÇ B., ÇAM İ., BEHLÜLGİL A. K. , KÖKSAL S., GÜZEL A., Project Supported by Higher Education Institutions, Merkez Laboratuvar ARGE Eğitim ve Ölçme Merkezinde Malzeme Karakterizasyonu, 2017 - 2019
- AKATA KURÇ B., Project Supported by Higher Education Institutions, TİMOL ORGANİK BİLEŞİĞİNİN YAPISINDA KUSUR OLUŞTURULMUŞ ETS-10 KRİSTALİ YÜZEYİNE BAĞLANMASI, 2017 - 2017
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