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Personal Information

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Education Information

Doctorate, Canakkale Onsekiz Mart University, Fen Bilimleri, Fizik, Turkey 2002 - 2008

Post Graduate, Canakkale Onsekiz Mart University, Fen Bilimleri, Fizik, Turkey 1999 - 2002

Under Graduate, Ankara University, Faculty Of Science, Fizik Mühendisliği, Turkey 1993 - 1997

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Seçilmiş organik malzemelerin ince film ve organik buhar sensörü özelliklerinin incelenmesi, Canakkale Onsekiz Mart University, Fen Bilimleri Ens., Fizik, 2008

Post Graduate, Yarıiletkenler ve yarıiletkenlerin elektriksel özellikleri, Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Fizik, 2002

Research Areas

Physics, Atomic and Molecular Physics, Atomic and Molecular Interactions, Interdisciplinary Physics and Related Science and Technology Areas, Materials Science, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Electrical properties of electronic structures, interfaces, thin films and low-dimensional structures, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fak., Fizik, 2018 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fak., Fizik, 2008 - 2018

Research Assistant, Canakkale Onsekiz Mart University, Fen Bilimleri Ens., Fizik, 2000 - 2008

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

- **A room temperature acetone sensor based on synthesized tetranitro-oxacalix[4]arenes: Thin film fabrication and sensing properties**
Şen S., Cömert Önder F., Çapan R., Ay M.

- Sensors And Actuators A-Physical, vol.00, pp.112308, 2020 (Journal Indexed in SCI Expanded)
A macrocyclic tetra-undecyl calix[4]resorcinarene thin film receptor for chemical vapour sensor applications
 ŞEN S., Davis F., Capan R., ÖZBEK Z., Ozel M. E. , Stanciu G. A.
- JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, 2020 (Journal Indexed in SCI)
FILMS SPIN-COATED WITH GALLIC ACID AND THE DETECTION OF SPUN FILMS AGAINST VOLATILE ORGANIC COMPOUNDS
 ŞEN S.
- SURFACE REVIEW AND LETTERS, vol.27, 2020 (Journal Indexed in SCI)
Langmuir-Blodgett film properties of based on calix[4]resorcinarene and the detection of those against volatile organic compounds
 Sen S., Capan R., Ozbek Z., Ozel M. E. , Stanciu G. A. , Davis F.
- APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.125, 2019 (Journal Indexed in SCI)
Langmuir-Blodgett thin film for chloroform detection
 Capan R., Goktas H., ÖZBEK Z., ŞEN S., Ozel M. E. , Davis F.
- APPLIED SURFACE SCIENCE, vol.350, pp.129-134, 2015 (Journal Indexed in SCI)
Thin film characterization of novel phthalimide materials
 ŞEN S., Capan R., OZEL M. E. , Hassan A. K. , Turhan O., Namli H.
- OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, vol.5, pp.1243-1247, 2011 (Journal Indexed in SCI)
Optical parameters of calix[4]arene films and their response to volatile organic vapors
 Ozbek Z., Capan R., Goktas H., ŞEN S., Ince F. G. , OZEL M. E. , Davis F.
- SENSORS AND ACTUATORS B-CHEMICAL, vol.158, pp.235-240, 2011 (Journal Indexed in SCI)
Characterization of Langmuir-Blodgett films of a calix[8]arene and sensing properties towards volatile organic vapors
 Capan R., Ozbek Z., GOKTAS H., ŞEN S., INCE F. G. , OZEL M. E. , STANCIU G. A. , Davis F.
- SENSORS AND ACTUATORS B-CHEMICAL, vol.148, pp.358-365, 2010 (Journal Indexed in SCI)
p-phthalimidobenzoic thin film for volatile organic vapor detection
 ŞEN S., Capan R., OZEL M. E. , Hassan A. K. , Namli H., Turhan O.
- JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.12, pp.1534-1538, 2010 (Journal Indexed in SCI)
Fabrication of plasma polymerized polythiophene and polypyrrole thin films as chloroform vapor sensors
 INCE F. G. , ŞEN S., OZBEK Z., Goektas H., Oze M. E. , Capan R.
- JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, vol.11, pp.1182-1185, 2009 (Journal Indexed in SCI)
Phthalimide thin film for methanol vapor detection
 Sen S., Capan R., Ozel M. E. , Hassan A. K. , Turhan O., Namli H.
- SENSOR LETTERS, vol.6, pp.261-265, 2008 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Spin Kaplama Vanilya İnce Filmler ve Bu Filmlerin Uçucu Organik Bileşikleri Algılama Davranışı**
 ŞEN S.
- Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, pp.543-552, 2019 (Other Refereed National Journals)
Langmuir-Blodgett Thin Film Characterization of Two Organic Compounds
 ŞEN S., ÇAPAN R., NAMLI H., TURHAN O.
- BAÜ Fen bilimleri Ens. Dergisi, vol.13, pp.1-6, 2011 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- **Calix[4]amine Langmuir-Blodgett thin film sensing properties against volatile organic compounds**
Sen S., Capan R., Ozbek Z., Ozel M. E. , Stanciu G. A. , Davis F.
20th Jubilee International School on Condensed Matter Physics - Physics and Applications of Advanced and Multifunctional Materials (ISCMP), Varna, Bulgaria, 3 - 06 September 2018, vol.1186
- **Spin coated film properties of ferulic acid and the detection of those against volatile organic compounds**
ŞEN S.
5th International conference on materials science and nanotechnology for next generation (MSNG2018), Nevşehir, Turkey, 4 - 06 October 2018
- **Phthalimide derivative spun films for organic vapour sensing**
ŞEN S., ÇAPAN R., TÜRKER G.
20th Jubilee International School on Condensed Matter Physics, Varna, Bulgaria, 3 - 07 September 2018
- **Spin coated film of 4-(Dimethylamino)benzaldehyde(4DMBA) for ethanol detection**
ŞEN S.
Turkish Physical Society 34th International Physical Congress, Muğla, Turkey, 5 - 09 September 2018
- **CBAMINE LB films and the vapour detection of those against volatile organic compounds**
ŞEN S., ÇAPAN R., ÖZBEK Z., ÖZEL M. E. , STANCIU G. A. , DAVIS F.
20th Jubilee International School on Condensed Matter Physics, Varna, Bulgaria, 3 - 07 September 2018
- **Thin Film Properties and the Detection Volatile Organic Compounds of C-Methylcalix(4)Resorcinarene**
ŞEN S., ÇAPAN R., TÜRKER G.
34th International Physics Congress of the Turkish-Physical-Society (TPS), Konacik, Turkey, 5 - 09 September 2018, vol.2042
- **Determination of the Amount of Cs-137 in the Sea Water Obtained from the Dardanelles**
Ataseven D., Sen S.
32nd International Physics Congress of Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 09 September 2016, vol.1815
- **Determination of the Amount of Cs-137 in the Sea Water Received from Dardanelles**
ATASEVEN D., ŞEN S.
Turkish Physical Society 32nd International Physics Congress, Muğla, Turkey, 6 - 09 September 2016
- **Important nuclear reactor accidents realized until today Reasons and results**
Ataseven D., Güngör E., ŞEN S.
9th International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 27 August 2015
- **SENSING PROPERTIES OF BASED ON CALIX[N] ARENE MULTILAYERS TOWARDS VOLATILE ORGANIC VAPORS**
ŞEN S., ÇAPAN R., ÖZBEK Z., ÖZEL M. E. , DAVIS F., GÖKTAŞ H., İNCE F.
TURKISH PHYSICAL SOCIETY 31st INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 21 - 24 July 2014
- **Langmuir-Blodgett Thin Film Preparation of C11amine Material**
ŞEN S., ÇAPAN R., ÖZBEK Z., ÖZEL M. E. , GÖKTAŞ H., İNCE F., DAVIS F.
Turkish Physical Society 27 th International Physics Congress İstanbul Turkey, İstanbul, Turkey, 14 - 17 September 2010
- **Kaliksaren Moleküllerinin Organik Buhar Sensör Uygulaması**
ÇAPAN R., ÖZBEK Z., ÖZEL M. E. , GÖKTAŞ H., ŞEN S., İNCE F., DAVIS F.
Turkish Physical Society 27 th International Physics Congress İstanbul Turkey, İstanbul, Turkey, 14 - 17 September 2010
- **Thin Film Characterization And Gas Sensing Properties Of Calix[4]arene**
ÖZBEK Z., ÇAPAN R., ÖZEL M. E. , GÖKTAŞ H., ŞEN S., İNCE F., DAVIS F.
Turkish Physical Society 27th International Physics Congress İstanbul Turkey, İstanbul, Turkey, 14 - 17 September 2010

● **Çanakkale Boğazi'na Ait Balık Türlerindeki Çernobil Kaynaklı Cs-137 Aktivitesinin Belirlenmesi**

BARIŞ B., NURDAN G., ŞEN S.

Turkish Physical Society 27 th International Physics Congress, İstanbul, Turkey, 14 - 17 September 2010

● **Calixarene Langmuir-Blodgett Thin films for Volatile Organic Compounds**

ÇAPAN R., ÖZBEK Z., ŞEN S., İNCE F., GÖKTAŞ H., ÖZEL M. E. , DAVIS F.

Türk Fizik derneği 26. Uluslararası Fizik Kongresi, Muğla, Turkey, 24 - 27 September 2009

● **Surface Plasmon Resonance Study of Calixarene Langmuir-Blodgett (LB) Thin film**

ÖZBEK Z., ÇAPAN R., ŞEN S., İNCE F., GÖKTAŞ H., ÖZEL M. E. , DAVIS F.

Türk Fizik Derneği 26. Uluslararası Fizik Kongresi, Muğla, Turkey, 24 - 27 September 2009

● **Calixarene Thin Film as a Sensing Element to Volatile Organic Vapours**

ÇAPAN R., ÖZBEK Z., STANCIU G. A. , GÖKTAŞ H., ŞEN S., İNCE F., ÖZEL M. E. , DAVIS F.

The 6 th International Edition of: Romanian Conference on Advanced Materials: ROCAM 2009, Brasov, Romania, 25 - 28 August 2009

● **Plasma Polymerized Polythiophene and Polypyrrole Thin films in Gas Sensors**

İNCE F., ŞEN S., ÖZBEK Z., GÖKTAŞ H., ÖZEL M. E. , ÇAPAN R.

15 th International School on Condensed Matter Physics, Varna, Bulgaria, 31 August - 05 September 2008

● **The Langmuir and Deposition Properties of Calixarenes**

ÖZBEK Z., ŞEN S., İNCE F., ÇAPAN R., GÖKTAŞ H., ÖZEL M. E. , DAVIS F.

Condensed Matter Physics of Balkan Countries, Muğla, Turkey, 26 - 28 May 2008

● **Spektroskopik Elipsometri**

ŞEN S., ÖZEL M. E.

24. Uluslararası TFD Fizik Kongresi, Malatya, Turkey, 28 - 31 August 2007

● **Thin Film Preparation of (N-Phthalimide) p-aminobenzoic acid Molecule**

ŞEN S., ÇAPAN R., ÖZEL M. E. , HASSA A. K. , TURHAN O., NAMLI H.

24. Uluslararası TFD Fizik Kongresi, Malatya, Turkey, 28 - 31 August 2007

● **Organic Vapour Sensing Properties of Spin Coated thin Films**

ŞEN S., ÇAPAN R., ÖZEL M. E. , HASSA A. K. , TURHAN O., NAMLI H.

24. Uluslararası TFD Fizik Kongresi, Malatya, Turkey, 28 - 31 August 2007

● **Thin films of two novel phthalimide derivatives deposited by spin coating: determination of film parameters and gas sensing behaviour**

ŞEN S., ÖZEL M. E. , ÇAPAN R., HASSAN A., TURHAN O., NAMLI H.

Nanoscience and Nanotechnology 2007, NANOTR III Bilkent Üniversitesi, ANKARA, TURKEY, Ankara, Turkey, 11 - 14 May 2007

● **Langmuir- Blodgett Thin Film Characterization of Two Novel Organic Compounds**

ŞEN S., ÖZEL M. E. , AÇIKBAŞ Y., EVYAPAN M., ÇAPAN R., STANCIU G. A. , TURHAN O., NAMLI H.

10 th European Conference on Organised Films, Riga, Latvia, 20 - 24 August 2006

● **Langmuir-Blodgett Thin Films Characterization of Two Organic Compounds as Gas Sensors**

ŞEN S., ÖZEL M. E. , EVYAPAN M., AÇIKBAŞ Y., ÇAPAN R., STANCIU G. A. , TURHAN O., NAMLI H.

Nanoscience and Nanotechnology, 2006, NANOTR II, Middle East Technic University, Ankara, Turkey, 3 - 05 May 2006

● **Meteorite Impact Crater Inventory of Turkey**

KOCAHAN YILMAZ Ö., ÖZEL M. E. , YILDIRIM H., ŞENGÜL ULUOCAK E., ŞEN S.

Recent Advances in Space Technologies 2005, İstanbul, Turkey, 9 - 11 June 2005

● **Chemical Analysis of Some Meteorite Claims in Turkey**

ŞENGÜL ULUOCAK E., KOCAHAN YILMAZ Ö., ŞEN S., ÖZEL M. E. , DEMİRCAN O.

Recent Advances in Space Technologies 2005, İstanbul, Turkey, 9 - 11 June 2005

Citations

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