

Res. Asst. SELAY SERT ÇOK

Personal Information

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Education Information

Doctorate, Ege Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2016 - Continues

Post Graduate, Ege Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2012 - 2016

Foreign Languages

English, C1 Advanced

Dissertations

Post Graduate, ENHANCEMENT OF THERMAL EFFICIENCY OF A NATURAL GAS FURNACE IN A PETROCHEMICAL PLANT, Ege Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2016

Research Areas

Chemical Engineering and Technology, Basic Operations and Thermodynamics, Thermodynamics, Heat Transfer, Metallurgical and Materials Engineering, Material science and engineering, Nanomaterials, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Ege Üniversitesi, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2013 - Continues

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

- I. **Hydrophobic silica aerogels synthesized in ambient conditions by preserving the pore structure via two-step silylation**
SERT ÇOK S., GİZLİ N.
CERAMICS INTERNATIONAL, vol.46, pp.27789-27799, 2020 (Journal Indexed in SCI)
- II. **Revealing the pore characteristics and physicochemical properties of silica ionogels based on different sol-gel drying strategies**
SERT S., KOC F., BALKAN F., GİZLİ N.
Journal Of Solid State Chemistry, vol.278, pp.120877, 2019 (Journal Indexed in SCI)
- III. **Exploring a new preparation pathway for the synthesis of silica based xerogels as crack-free monoliths**
COK S., KOC F., BALKAN F., GİZLİ N.
CERAMICS INTERNATIONAL, vol.45, pp.1616-1626, 2019 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Investigating the effect of silica aerogel content on the mechanical properties of epoxy resin system**
ÜNAL H. Y. , SERT S., Koç F., GİZLİ N., PEKBEY Y.
Research on Engineering Structures and Materials, 2019 (Other Refereed National Journals)
- II. **EFFECT of IONIC LIQUID CONTENT on MONOLITHIC STRUCTURE of AMINE-MEDIATED SILICA AEROGEL via AMBIENT PRESSURE DRYING**
Gizli N., Sert Ç. S. , Koç F.
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.5, pp.663-678, 2018 (Refereed Journals of Other Institutions)
- III. **Determination of Avoidable and Unavoidable Exergy Destructions of Furnace-Air Preheater Coupled System in a Petrochemical Plant**
SERT S., BALKAN F.
JOURNAL OF THERMAL ENGINEERING, vol.2, 2016 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **SYNTHESIS AND CHARACTERIZATION OF IONIC LIQUID EMBEDDED SILICA AEROGELS TO BE USED AS NANOFILLERS IN VARIOUS COMPOSITE APPLICATIONS**
SERT S., Koc F., ÜNAL H. Y. , PEKBEY Y., GİZLİ N.
The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC 2019), 21 - 23 June 2019
- II. **TUNING THE PROPERTIES OF SILICA AEROGELS THROUGH pH CONTROLLED SOL-GEL PROCESSES**
Koc F., SERT S., GİZLİ N.
The International Conference on Materials Science, Mechanical and Automotive Engineerings and Technology (IMSMATEC 2019), 21 - 23 June 2019
- III. **INVESTIGATING THE MECHANICAL AND MORPHOLOGICAL CHARACTERISTICS OF CROSSLINKED SILICA AEROGELS AND EPOXY NANOCOMPOSITES**
ÜNAL H. Y. , SERT S., KOÇ F., GİZLİ N., PEKBEY Y.
2. ULUSLARARASI GAP MATEMATİK-MÜHENDİSLİK-FEN VE SAĞLIK BİLİMLERİ KONGRESİ, 21 - 23 June 2019
- IV. **INVESTIGATION THE EFFECT OF SILICA AEROGEL CONTENT ON THE MECHANICAL PROPERTIES OF EPOXY RESIN SYSTEM**
ÜNAL H. Y. , SERT S., KOÇ F., GİZLİ N., PEKBEY Y.
IV. International Composite Material Symposium 2018, İzmir, Turkey, 6 - 08 September 2018, pp.468-475
- V. **Enhancing the Mechanical Performance of Epoxy Composites Containing Silica Aerogels**
ÜNAL H. Y. , SERT S., KOÇ F., GİZLİ N., PEKBEY Y.
6th International GAP Engineering Conference, Şanlıurfa, Turkey, 8 - 10 November 2018, pp.109-114
- VI. **APPLICATION OF IMIDAZOLIUM BASED IONIC LIQUIDS FOR THE PREPARATION OF HYBRID SILICA AEROGELS**
Sert Çok S., KOÇ F., GİZLİ N., BALKAN F.
International Composite Material Symposium 2018, İzmir, Turkey, 6 - 08 September 2018, pp.207-216
- VII. **Enhancing the Mechanical Performance of Epoxy Composites Containing Silica Aerogels**
Ünal H. Y. , Sert S., Koç F., Gizli N., Pekbey Y.
VI International GAP ENGINEERING CONGRESS, Şanlıurfa, Turkey, 8 - 10 November 2018
- VIII. **Preparation of The Silica Aerogel-Felt Composites As A Potential Insulating Material**
BALKAN F., SERT S., GİZLİ N.
IV. International Ege Composite Materials Symposium, Ege University, 6 - 08 September 2018
- IX. **INVESTIGATION THE EFFECT OF SILICA AEROGEL CONTENT ON THE MECHANICAL PROPERTIES OF EPOXY RESIN SYSTEM**
ÜNAL H. Y. , SERT S., KOÇ F., GİZLİ N., PEKBEY Y.

IV. INTERNATIONAL EGE COMPOSITE MATERIALS SYMPOSIUM, İzmir, Turkey, 6 - 08 September 2018, pp.468-475

X. INVESTIGATING PORE CHARACTERISTICS OF SILICA IONOGELS BASED ON DIFFERENT DRYING METHODS

SERT ÇOK S.

35th International Conference on Solution Chemistry, Szeged, Hungary, 26 August 2018, pp.45

Invited Congress and Symposium Activities

IV. INTERNATIONAL EGE COMPOSITE MATERIALS SYMPOSIUM, Attendee, İzmir, Turkey, 2018

35th International Conference on Solution Chemistry (ICSC 2018), Attendee, Szeged, Hungary, 2018

3rd International Porous and Powder Materials Symposium and Exhibition (PPM 2017r, Attendee, Aydın, Turkey, 2017

ULUSAL KİMYA MÜHENDİSLİĞİ KONGRESİ (UKMK 2016), Attendee, İzmir, Turkey, 2016

1st International Conference on Engineering Technology and Applied Sciences, Attendee, Afyon, Turkey, 2016

INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING, Attendee, İstanbul, Turkey, 2015

ULUSAL KİMYA MÜHENDİSLİĞİ KONGRESİ (UKMK 2014), Attendee, Eskişehir, Turkey, 2014

Citations

Total Citations (WOS):11

h-index (WOS):2

Scholarships

2224-A Yurt Dışı Bilimsel Etkinliklere Katılımı Destekleme Programı, TÜBİTAK, 2018 - Continues