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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synergistic effects of Core@Shell (CZTS@CZTSe) on photovoltaic & photocathode applications**
Semalti P., Nguyen N. T. K., Ozbilgin İ. N. G., Uchikoshi T., Sharma S. N.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.163, 2024 (SCI-Expanded)
- II. **Water-Soluble Silicon Quantum Dots toward Fluorescence-Guided Photothermal Nanotherapy**
Ozbilgin İ. N. G., Yamazaki T., Watanabe J., Hong-Tao Sun H. S., Hanagata N., Shirahata N.
LANGMUIR, vol.38, no.17, pp.5188-5196, 2022 (SCI-Expanded)
- III. **Size-Dependent Photothermal Performance of Silicon Quantum Dots**
Ozbilgin İ. N. G., Ghosh B., Yamada H., Shirahata N.
JOURNAL OF PHYSICAL CHEMISTRY C, vol.125, no.6, pp.3421-3431, 2021 (SCI-Expanded)
- IV. **Inverted Device Architecture for Enhanced Performance of Flexible Silicon Quantum Dot Light-Emitting Diode**
Ghosh B., Yamada H., Chinnathambi S., Ozbilgin İ. N. G., Shirahata N.
JOURNAL OF PHYSICAL CHEMISTRY LETTERS, vol.9, no.18, pp.5400-5407, 2018 (SCI-Expanded)
- V. **The effect of graphene nanoplatelets on the thermal and electrical properties of aluminum nitride ceramics**
Simsek İ. N. G., Nistal A., Garcia E., Perez-Coll D., Miranzo P., Isabel Osendi M.
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY, vol.37, no.12, pp.3721-3729, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Seramik Sağlık Gereçleri Fine Fire Clay Ürünlerde Şamot Alternatifi Malzemelerin Kullanımının Araştırılması ve Sentezlenmesi**
KUNDURACI N., BİNAL G., ŞİMŞEK İ. N. G.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.17, no.1, pp.203-208, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Effect of Chamotte Amount and Particle Size on Thermal Expansion Behaviour of Ceramic Sanitaryware Products**
KUNDURACI N., ÖZBİLGİN İ. N. G., KOCAMAN E.

12th Conference for Young Scientists in Ceramics, Novi-Sad, Serbia, 18 - 21 October 2017

- II. **Microstructural Design of Melt Infiltrated Boron Carbide-Aluminum Ceramic-Metal Composites via Spark Plasma Sintering**
ÖZBİLGİN İ. N. G., ARSLAN G.
ECERS2017, 9 - 13 July 2017, pp.470
- III. **7075 Alüminyum Alaşımının Sertliğine Etki Eden Isıl İşlem Parametrelerinin Matematiksel Modellenmesi**
KOCAMAN E., ŞİMŞEK İ. N. G., KUNDURACI N.
2. Savunma Sanayi Sempozyumu, Kırıkkale, Turkey, 6 - 08 April 2017, pp.195
- IV. **Microstructure and Thermal Conductivity of AlN with Graphene Nanoplatelets**
ÖZBİLGİN İ. N. G., NISTAL A., GARCIA E., PEREZCOLL D., MIRANZO P., OSENDI M. I.
WGCC2016 Workshop on Graphene-Ceramic Composites 2016, Madrid, Spain, 27 - 30 September 2016, vol.1, pp.36
- V. **Research and Synthesis of Alternative Chamotte Materials in Sanitaryware Fine Fire Clay Products**
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- VI. **Thermal Conductivity of AlN-GNP Ceramics**
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- VII. **Quantitative X Ray Diffraction Analysis of Spark Plasma Sintered Boron Carbide Aluminum Composites**
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Uluslararası Malzeme Bilimi ve Teknolojisi Konferansı, Nevşehir, Turkey, 6 - 08 April 2016
- VIII. **Effect of Passivation and Preforming Method on the Properties of Boron Carbide Aluminium Composites**
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9. Uluslararası Katılımlı Seramik Kongresi, Turkey, 26 - 28 November 2015, pp.119

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