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Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Fast Pyrolysis of Tea Bush, Walnut Shell, and Pine Cone Mixture: Effect of Pyrolysis Parameters on Pyrolysis Crop Yields**
KAR T., Kaygusuz Ö., Güney M. Ş., CÜCE E., KELEŞ S., Shaik S., Owolabi A. B., Nsafon B. E. K., Ogunsua J. M., Huh J. SUSTAINABILITY, vol.15, no.18, 2023 (SCI-Expanded)
- II. **Carbonized waste hazelnut wood-based shape-stable composite phase change materials for thermal management implementations**
HEKİMOĞLU G., SARI A., Kar T., KELEŞ S., KAYGUSUZ K., YILDIRIM N., Tyagi V. V., Sharma R. K., Saleh T. A. INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.45, no.7, pp.10271-10284, 2021 (SCI-Expanded)
- III. **Walnut shell derived bio-carbon/methyl palmitate as novel composite phase change material with enhanced thermal energy storage properties**
HEKİMOĞLU G., SARI A., Kar T., KELEŞ S., KAYGUSUZ K., Tyagi V., Sharma R., Al-Ahmed A., Al-Sulaiman F. A., Saleh T. A. JOURNAL OF ENERGY STORAGE, vol.35, 2021 (SCI-Expanded)
- IV. **Characterisation of bio-oil and its sub-fractions from catalytic fast pyrolysis of biomass mixture**
Kar T., KELEŞ S. WASTE MANAGEMENT & RESEARCH, vol.37, no.7, pp.674-685, 2019 (SCI-Expanded)
- V. **Comparison of catalytic and noncatalytic pyrolysis and product yields of some waste biomass species**
Kar T., KELEŞ S., KAYGUSUZ K. INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.43, no.6, pp.2032-2043, 2019 (SCI-Expanded)
- VI. **Catalytic fast pyrolysis of hazelnut cupula: Characterization of bio-oil**
KELEŞ S., Kar T., AKGUN M., KAYGUSUZ K. ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.39, no.24, pp.2216-2225, 2017 (SCI-Expanded)
- VII. **Fast pyrolysis of chestnut cupulae: yields and characterization of the bio-oil**
Kar T., KELEŞ S. ENERGY EXPLORATION & EXPLOITATION, vol.31, no.6, pp.847-858, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Fast pyrolysis of fig leaves: influence of pyrolysis parameters and characterization of bio-oil**
KAR T., KELEŞ S., EMİR Z., KAYGUSUZ K. Turkish Journal of Analytical Chemistry (Online), vol.4, no.2, pp.80-87, 2022 (Peer-Reviewed Journal)
- II. **Hydrogen production from renewables: Biomass**
Kar T., Keleş S. Journal of Engineering Research and Applied Science, vol.8, no.2, pp.1279-1285, 2019 (Peer-Reviewed Journal)
- III. **Renewable energy from woody biomass in Turkey**

KELEŞ S., KAR T., BAHADIR A., KAYGUSUZ K.

Journal of Engineering Research and Applied Science, vol.6, no.2, pp.652-661, 2017 (Peer-Reviewed Journal)

IV. **Bio-oil production from fast pyrolysis of maple fruit (acer platanoides samaras): product yields**

Bahadır A., Kar T., KELEŞ S., KAYGUSUZ K.

WORLD JOURNAL OF ENGINEERING, vol.14, no.1, pp.55-59, 2017 (ESCI)

V. **Environmental impacts of biomass combustion for heating and electricity generation**

KAR T., KELEŞ S.

Journal of Engineering Research and Applied Science, no.2, pp.458-465, 2016 (Peer-Reviewed Journal)

VI. **Clean energy in Turkey for climate change mitigation**

KAR T., BAHADIR A.

Journal of Engineering Research and Applied Energy, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Characterization of bio-char samples obtained from biomass lignite co-gasification**

KAR T.

6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023) October 11-13, 2023. www.EurasianBioChem.or, Ankara, Turkey, 11 - 13 October 2023, pp.399

II. **Biomass-lignite gasification; analysis of liquid by-products**

KAR T., CÜCE E., KAYGUSUZ K., ULAŞ ÇOLAK N.

5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022) November 23-25, 2022. www.EurasianBioChem.org, Turkey, 23 - 25 November 2022, pp.470

III. **Effect of Temperature and Heating Rate on Catalytic Fast Pyrolysis of Walnut Shell and the Cobalt Catalyst Effect on Energy Content**

KAR T., KELEŞ S.

3rd Bioenergy Studies Symposium, Turkey, 20 - 21 May 2021

IV. **Catalytic Fast Pyrolysis of Some Bio-Wastes with Vanadium Oxide Catalyst**

KAR T., KELEŞ S., KAYGUSUZ K.

International Conference on Chemical Energy Semiconductor Photochemistry, Trabzon, Turkey, 4 - 06 September 2019, pp.61

V. **Catalytic Cracking and ZSM-5 Zeolite**

KAR T., KELEŞ S., KAYGUSUZ K.

International Conference on Chemical Energy Semiconductor Photochemistry, Trabzon, Turkey, 4 - 06 September 2019, pp.60

VI. **Hydrogen Production From Renewable Energy Sources**

KAYGUSUZ K., KAR T., KELEŞ S.

International Conference on Chemical Energy Semiconductor Photochemistry, Trabzon, Turkey, 4 - 06 September 2019, pp.30-48

VII. **Thermal Conversion of Biomass**

KAR T., KELEŞ S., KAYGUSUZ K.

EurasianBioChem 2018, Ankara, Turkey, 26 - 27 April 2018, pp.84

VIII. **Characterization of Bio-Oil from the Catalytic Fast Pyrolysis of Hazelnut Cupula**

KELEŞ S., KAR T., KAYGUSUZ K.

International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.644

IX. **Türkiye ve Dünyadaki Enerji Kaynaklarının Genel Görünümü**

KAR T., KELEŞ S., KAYGUSUZ K.

23rd International Energy and Environment Fair and Conference, İstanbul, Turkey, 3 - 05 May 2017, pp.82-86

X. **Fosil Yakıt Kullanımının Etkileri ve Fosil Yakıtlara Alternatif Yenilenebilir Enerji Kaynakları**

KAR T., KELEŞ S., KAYGUSUZ K.

23rd International Energy and Environment Fair and Conference, İstanbul, Turkey, 3 - 05 May 2017, pp.87-90

XI. Biomass Combustion

KAR T., KELEŞ S., KAYGUSUZ K.

22nd International Energy and Environment Fair and Conference, İstanbul, Turkey, 27 - 29 April 2016, pp.137-142

XII. Hydrothermal Biomass Processing

KAR T., KELEŞ S., KAYGUSUZ K.

22nd International Energy and Environment Fair and Conference, İstanbul, Turkey, 27 - 29 April 2016, pp.143-147

XIII. Energy Consumption in Turkey

KAR T., KELEŞ S., BAHADIR A., AKGÜN M., KAYGUSUZ K.

17th International Energy and Environment Fair and Conference, İstanbul, Turkey, 24 - 26 April 2011

Metrics

Publication: 35

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