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Advising Theses

- Sanin F. D. , Atimtay A., Investigation of fuel values and combustion characteristics of RDF samples, Postgraduate, A.SEVER(Student), 2014
- ATİMTAY A., SANİN F. D. , Combustion characteristics and thermal utilization of sewage sludge and coal mixtures, Postgraduate, O.ATAK(Student), 2013
- ATİMTAY A., Investigation of combustion characteristics of biomass and coal mixtures in a circulating fluidized bed combustor, Doctorate, M.VAROL(Student), 2013
- ATİMTAY A., Co-combustion of coal and olive cake in a fluidized bed with limestone addition and freeboard extension, Postgraduate, O.Akpulat(Student), 2009
- ATİMTAY A., Comparison of iscst3 and aermod air dispersion models: case study of cayirhan thermal power plant, Postgraduate, E.Dölek(Student), 2007
- ATİMTAY A., Combustion and co-combustion of olive cake and coal in fluidized bed, Postgraduate, M.Varol(Student), 2006
- ATİMTAY A., Investigation of emission and combustion kinetics of waste wood samples with thermal and spectral methods, Postgraduate, S.Yorulmaz(Student), 2006
- ATİMTAY A., Investigation of odorous emissions and immissions in Ankara with olfactometer, Postgraduate, H.Meltem(Student), 2004
- ATİMTAY A., Decolorization of Synthetic Dye Solutions by Using Basaltic Tephra and Clinoptilolite, Postgraduate, Y.Bahadır(Student), 2004
- ATİMTAY A., Investigation of non-methane volatile organic carbon emissions from interior materials used in the intercity buses, Postgraduate, B.Görmez(Student), 2004
- ATİMTAY A., Utilization of waste materials from iron-steel and zinc industries for sorption of hydrogen sulfide at high concentrations / , Postgraduate, E.Harmancı(Student), 2004
- ATİMTAY A., Investigation of emission factors of non-methane hydrocarbons some widely used passenger cars in Turkey, Postgraduate, İ.Önoğlu(Student), 2004
- ATİMTAY A., Investigation of emissions of fruit stones combustion in a fluidized bed combustion system, Postgraduate, B.Kaynak(Student), 2003
- ATİMTAY A., Air pollution modeling in İskenderun region of Turkey, Doctorate, M.TAHİR(Student), 2003
- ATİMTAY A., Utilization of metal oxide-containing waste materials from iron-steel and zinc industries for sorption of hydrogen sulfide., Postgraduate, E.Volkan(Student), 2002
- ATİMTAY A., A study of plankton blooms initiated by saharan dust deposition in the marine environment, Postgraduate, İ.Polat(Student), 1999
- ATİMTAY A., Calculation of emission factors in cement plants in Turkey and a modeling study for a cement plant, Postgraduate, R.Bariş(Student), 1999
- ATİMTAY A., Development of a novel sorbent for hot gas desulfurization, Postgraduate, C.Derinöz(Student), 1998
- ATİMTAY A., Testing of metal oxide mixtures as regenerable hot gas desulfurization sorbents, Postgraduate, P.Ayşe(Student), 1997
- ATİMTAY A., Toluene and butyl acetate removal in gas phase with a biofilter, Postgraduate, E.Bolcu(Student), 1997
- ATİMTAY A., Development of a novel regenerable sorbent for hot gas desulfurization, Postgraduate, A.Aksoy(Student),

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Co-combustion of high and low ash lignites with raw and torrefied biomass under air and oxy-fuel combustion atmospheres**
Barzegar R., YOZGATLIGİL A., ATİMTAY A.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, 2022 (Peer-Reviewed Journal)
- II. **Optimization of process parameters in oxygen enriched combustion of biocoal and soma lignite blends by response surface methodology**
Keivani B., OLGUN H., ATİMTAY A.
JOURNAL OF CO₂ UTILIZATION, vol.55, 2022 (Peer-Reviewed Journal)
- III. **TGA and kinetic study of different torrefaction conditions of wood biomass under air and oxy-fuel combustion atmospheres**
Barzegar R., YOZGATLIGİL A., OLGUN H., ATİMTAY A.
JOURNAL OF THE ENERGY INSTITUTE, vol.93, no.3, pp.889-898, 2020 (Peer-Reviewed Journal)
- IV. **Combustion and Co-Combustion characteristics of torrefied poultry litter with lignite**
ATİMTAY A., YURDAKUL S.
RENEWABLE ENERGY, vol.148, pp.1292-1301, 2020 (Peer-Reviewed Journal)
- V. **Combustion characteristics of Turkish lignites at oxygen-enriched and oxy-fuel combustion conditions**
Barzegar R., YOZGATLIGİL A., ATİMTAY A.
JOURNAL OF THE ENERGY INSTITUTE, vol.92, no.5, pp.1440-1450, 2019 (Peer-Reviewed Journal)
- VI. **Co-combustion of biocoal and lignite in a circulating fluidised bed combustor to decrease the impact on global warming**
Keivani B., OLGUN H., ATİMTAY A.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.18, no.2, pp.120-137, 2019 (Peer-Reviewed Journal)
- VII. **Torrefaction of pine wood in a continuous system and optimization of torrefaction conditions**
Keivani B., Gultekin S., OLGUN H., ATİMTAY A.
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.42, no.15, pp.4597-4609, 2018 (Peer-Reviewed Journal)
- VIII. **Co-combustion of sewage sludge from different treatment processes and a lignite coal in a laboratory scale combustor**
Sever Akdağ A., Atak O., Atımtay A., Sanin F. D.
ENERGY, vol.158, pp.417-426, 2018 (Peer-Reviewed Journal)
- IX. **Pyrolysis characteristics of Turkish lignites in N₂ and CO₂ environments**
BARZEGAR R., Avşaroğlu S., YOZGATLIGİL A., ATİMTAY A.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.40, no.20, pp.2467-2475, 2018 (Peer-Reviewed Journal)
- X. **Co-firing of pine chips with Turkish lignites in 750 kWth circulating fluidized bed combustion system**
ATİMTAY A., Kayahan U., Unlu A., Engin B., Varol M., OLGUN H., Atakül H.
BIORESOURCE TECHNOLOGY, vol.224, pp.601-610, 2017 (Peer-Reviewed Journal)
- XI. **Comparison of fuel value and combustion characteristics of two different RDF samples**
Akdağ A., Atımtay A., Sanin F. D.
WASTE MANAGEMENT, vol.47, pp.217-224, 2016 (Peer-Reviewed Journal)
- XII. **Effect of biomass-sulfur interaction on ash composition and agglomeration for the co-combustion of high-sulfur lignite coals and olive cake in a circulating fluidized bed combustor**
Varol M., ATİMTAY A.
BIORESOURCE TECHNOLOGY, vol.198, pp.325-331, 2015 (Peer-Reviewed Journal)

- XIII. **Investigation of emissions from thermal oxidation of waste wood samples using spectral methods**
YURDAKUL S., ATİMTAY A.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.7, no.4, pp.423-438, 2015 (Peer-Reviewed Journal)
- XIV. **Emission characteristics of co-combustion of a low calorie and high-sulfur-lignite coal and woodchips in a circulating fluidized bed combustor: Part 2. Effect of secondary air and its location**
VAROL M., ATİMTAY A., OLGUN H.
FUEL, vol.130, pp.1-9, 2014 (Peer-Reviewed Journal)
- XV. **Emission characteristics of co-combustion of a low calorie and high sulfur-lignite coal and woodchips in a circulating fluidized bed combustor: Part 1. Effect of excess air ratio**
Varol M., ATİMTAY A., OLGUN H., Atakül H.
FUEL, vol.117, pp.792-800, 2014 (Peer-Reviewed Journal)
- XVI. **An Investigation of the Kinetics and Oxidative Thermodegradation Properties of Waste Telephone Pole Samples Treated with Metal Salts**
Yorulmaz S. Y. , ATİMTAY A.
ENERGY SOURCES PART A-RECOVERY UTILIZATION AND ENVIRONMENTAL EFFECTS, vol.35, no.23, pp.2257-2263, 2013 (Peer-Reviewed Journal)
- XVII. **Investigation of co-combustion characteristics of low quality lignite coals and biomass with thermogravimetric analysis**
Varol M., ATİMTAY A., Bay B., Olgun H.
THERMOCHIMICA ACTA, vol.510, pp.195-201, 2010 (Peer-Reviewed Journal)
- XVIII. **Effect of freeboard extension on co-combustion of coal and olive cake in a fluidized bed combustor**
Akpulat O., Varol M., ATİMTAY A.
BIORESOURCING TECHNOLOGY, vol.101, no.15, pp.6177-6184, 2010 (Peer-Reviewed Journal)
- XIX. **Combustion of agro-waste with coal in a fluidized bed**
ATİMTAY A.
CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, vol.12, no.1, pp.43-52, 2010 (Peer-Reviewed Journal)
- XX. **Investigation of combustion kinetics of treated and untreated waste wood samples with thermogravimetric analysis**
Yorulmaz S. Y. , ATİMTAY A.
FUEL PROCESSING TECHNOLOGY, vol.90, pp.939-946, 2009 (Peer-Reviewed Journal)
- XXI. **Investigation of co-combustion of coal and olive cake in a bubbling fluidized bed with secondary air injection**
ATİMTAY A., Varol M.
FUEL, vol.88, no.6, pp.1000-1008, 2009 (Peer-Reviewed Journal)
- XXII. **SPECIAL ISSUE: AIR QUALITY MANAGEMENT Preface**
Incecik S., ATİMTAY A., Choi H.
INTERNATIONAL JOURNAL OF ENVIRONMENT AND POLLUTION, vol.39, pp.201-203, 2009 (Peer-Reviewed Journal)
- XXIII. **Special issue: Air quality: Aerosols, dust storms, photochemical pollutants - Preface**
ATİMTAY A., Incecik S., Gertler A.
ATMOSPHERIC RESEARCH, vol.89, no.4, pp.305, 2008 (Peer-Reviewed Journal)
- XXIV. **Co-combustion of peach and apricot stone with coal in a bubbling fluidized bed**
ATİMTAY A., Kaynak B.
FUEL PROCESSING TECHNOLOGY, vol.89, no.2, pp.183-197, 2008 (Peer-Reviewed Journal)
- XXV. **Combustion of olive cake and coal in a bubbling fluidized bed with secondary air injection**
Varol M., Atımtay A. T.
FUEL, vol.86, pp.1430-1438, 2007 (Peer-Reviewed Journal)

Books & Book Chapters

I. Cleaner energy production technologies for fossil fuels

AKSOY A., ATİMTAY A.

in: Cleaner Technologies and Cleaner Products for Sustainable Development, H.M. Freeman, Z. Puskas, R. Olbina, Editor, Springer-Verlag, pp.279-289, 1995

Refereed Congress / Symposium Publications in Proceedings

I. TÜRK LİNYİTLERİNİN YANMA KİNETİĞİNİN OKSİYANMA KOŞULLARINDA TERMAL GRAVİMETRİ ANALİZ YÖNTEMİ İLE İNCELENMESİ

AVŞAROĞLU S., BARZEGAR R., YOZGATLIGİL A., Atımtay A.

VII. ULUSAL HAVA KİRLİLİĞİ VE KONTROLÜ SEMPOZYUMU, Antalya, Turkey, 1 - 03 November 2017

II. Color Removal with Natural Materials for Reuse of Wastewater in Textile Industry

ATİMTAY A., Duygulu B.

NATO Advanced Research Workshop on Security of Industrial Water Supply and Management, Ankara, Turkey, 13 - 15 September 2010, pp.83-101

III. Investigation of Combustion Kinetics of Five Waste Wood Samples with Thermogravimetric Analysis

Yorulmaz S. Y. , ATİMTAY A.

International Conference on Environment: Survival and Sustainability, Nicosia, CYPRUS, 19 - 24 February 2007, pp.511-520

IV. Development of a novel regenerable zinc ferrite sorbent for hot gas desulfurization

AKSOY A., Atımtay A.

10th World Clean Air Congress, Espoo, Finland, 28 May - 02 June 1995, vol.1

Metrics

Publication: 30

Citation (WoS): 801

Citation (Scopus): 652

H-Index (WoS): 15

H-Index (Scopus): 13