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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

SANİN F. D., ATİMTAY A., 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- IV. **Combustion and Co-Combustion characteristics of torrefied poultry litter with lignite**
ATİMTAY A., YURDAKUL S.
RENEWABLE ENERGY, vol.148, pp.1292-1301, 2020 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)

- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- XVIII. **Effect of freeboard extension on co-combustion of coal and olive cake in a fluidized bed combustor**
Akpulat O., Varol M., ATİMTAY A.
BIORESOURCE TECHNOLOGY, vol.101, no.15, pp.6177-6184, 2010 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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 (SCI-Expanded)

Books & Book Chapters

- I. **Cleaner energy production technologies for fossil fuels**
AKSOY A., ATİMTAY A.

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. **Co-combustion of various biowastes with a high-sulfur turkish lignite in a circulating fluidized bed combustor**
VAROL M., Çelebi M. C., Olgun H., ATİMTAY A., Atakül H., Unlu A., Bay B., Kayahan U.
27th Annual International Pittsburgh Coal Conference 2010, PCC 2010, İstanbul, Turkey, 11 October 2010, vol.3, pp.1730-1745
- III. **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
- IV. **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
- V. **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

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