

Publikationen des ITC im Jahr 2016/ Publications of ITC in 2016

Baumann, W.; Hauser, M.; Lang, I.; Mätzing, H.; Teuscher, N.; Seifert, H.; Paur, H.-R.

Investigation of the release of engineered nanoparticles by waste incineration

22nd European Aerosol Conference (EAC), Tours, F, September 4-9, 2016

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22nd European Aerosol Conference (EAC), Tours, F, September 4-9, 2016. Proceedings on USB-Stick

Baumann, W.; Hauser, M.; Lang, I.; Teuscher, N.; Paur, H.-R.; Mätzing, H.; Seifert, H.; Stapf, D.

Abfallverbrennung - Freisetzung von Nanopartikeln?

Chemie des Abfalls, Mainz, 10. Mai 2016

Dilger, M.; Orasche, J.; Zimmermann, R.; Paur, H.-R.; Diabaté, S.; Weiss, C.

Toxicity of wood smoke particles in human A549 lung epithelial cells: the role of PAHs, soot and zinc

Archives of toxicology, Band 90, Heft 12, Seiten 3029 - 3044, DOI: 10.1007/s00204-016-1659-1,

ISSN: 0003-9446, 0340-5761, 1432-0738

Eberhard, M.; Raffelt, K.; Sauer, J.; Kolb, T.

FT2.3 Verlinkung entlang der Prozesskette "Thermochemische Biomasse-Konversion"

ES2050 Workshop FT2 Biogene Energieträger, Frankfurt a. M., 16.09.16

Eckel, G.; Sängler, A.; Hotz, C.; Kathrotia, T.; Rachner, M.; Le Clercq, P.; Aigner, M.

LES of a reactive, multi-phase flow in the injector near field of an entrained flow gasifier

ICMF 2016 International Conference on Multiphase Flow, Firenze, Italy, 22.-27.05.16

Eckel, G.; Sängler, A.; Hotz, C.; Tomasello, A.; Kathrotia, T.; Rachner, M.; Le Clercq, P.; Aigner, M.

Insight into the injector near-field of a glycol-fueled entrained-flow gasifier by numerical simulation with detailed chemistry

8th International Freiberg Conference on IGCC & Xtl Technologies, Innovative Coal Value Chains, Köln, 12.-16.06.16

Fleck, S.; Hotz, C.; Kolb, T.

Vergasung biomasse-basierter Brennstoffsuspensionen in einem atomosphärischen Flugstromvergaser

DGMK-Tagung "Konversion von Biomassen und Kohlen", Rothenburg a. d. Fulda, 09.-11.05.16, DGMK, Hamburg, Seiten 103 - 104

Gehrmann, H.-J.; Simon, F.-G.; Gleis, M.

Stromgeführt versus Wärmegeführt - Zahl sich eine Investition in eine stromgeführte Abfallverbrennungsanlage aus? VDI-Richtlinie 3925 - anwendung auf zwei Fallbeispiele

Jahrestreffen der ProcessNet Fachgruppen "Energieverfahrenstechnik" und "Abfallbehandlung und Wertstoffrückgewinnung", Frankfurt a. M., 23.-24.02.16

Gehrmann, H.-J.; Stapf, D.

Herausforderung Biomasse - eine Charakterisierung aus wissenschaftlicher Sicht

14. Erfahrungsaustausch mit Fachausstellung Betrieb und Instandhaltung von Verbrennungsanlagen und Kraftwerken, 05.-06.04.16, Rostock

Götz, M.; Lefebvre, J.; Mörs, F.; McDaniel Koch, A.; Graf, F.; Bajohr, S.; Reimert, R.; Kolb, T.
Renewable Power-to-Gas: A technological and economic review
Renewable energy, Band 85, Seiten 1371 - 1390, DOI: 10.1016/j.renene.2015.07.066,
ISSN: 0960-1481, 1879-0682

Götz, M.; Lefebvre, J.; Mörs, F.; Reimert, R.; Graf, F.; Kolb, T.
Hydrodynamics of organic and ionic liquids in a slurry bubble column reactor operated at elevated temperatures
The chemical engineering journal, Band 286, Seiten 348 - 360, DOI: 10.1016/j.cej.2015.10.044,
ISSN: 0300-9467, 1385-8947, 1873-3212, 1873-5541

Jakobs, T.; Sängler, A.; Jampolski, L.; Willenbacher, N.; Kolb, T.
Investigation on fuel rheology and spray quality for high pressure entrained flow gasification of biomass based fuels
Innovative Coal Value Chains. 8th International Freiberg Conference on IGCC & XtL Technologies, Köln, 12.-16.06.16

Jakobs, T.; Sängler, A.; Kolb, T.
Zerstäubung hochviskoser Brennstoffe aus Restbiomasse für die Hochdruck-Flugstromvergasung
Jahrestreffen der ProcessNet Fachgruppen "Energieverfahrenstechnik" und "Abfallbehandlung und Wertstoffrückgewinnung", Frankfurt a. M., 23.-24.02.16, URN: um:nbn:de:swb:90-626829

Jampolski, J.; Jakobs, T.; Kolb, T.; Willenbacher, N.
Einfluss des Fließverhaltens von Koks-Wasser-Suspensionen im Rahmen des bioliq-Verfahrens auf den Prozess
Rheologie als Schlüssel zu einem erfolgreichen Produktdesign. Gemeinsame Diskussionstagung der Deutschen Rheologischen Gesellschaft und der ProcessNet-Fachgruppe "Rheologie" (DRG/ProcessNet-Rheologentagung), Berlin, 14.-15.03.16

Jampolski, L.; Sängler, A.; Jakobs, T.; Guthausen, G.; Kolb, T.; Willenbacher, N.
Improving the processability of coke water slurries for entrained flow gasification
Fuel, Band 185, Seiten 102 - 111, DOI: 10.1016/j.fuel.2016.07.102,
ISSN: 0016-2361, 1873-7153

Kolb, T.; Aigner, M.; Kneer, R.; Müller, M.; Weber, R.; Djordjevic, N.
Tackling the challenges in modelling entrained-flow gasification of low-grade feedstock
Journal of the Energy Institute, Band 89, Heft 4, Seiten 485 - 503, DOI: 10.1016/j.joei.2015.07.007,
ISSN: 1743-9671, 0144-2600, 1746-0220

Krämer, P.; Flamme, S.; Schubert, S.; Gehrman, H.-J.; Glorius, T.
Entwicklungen zur Echtzeitanalytik von Ersatzbrennstoffen
Berliner Abfallwirtschafts- und Energiekonferenz, 25.-26.01.16, Berlin

Krämer, P.; Flamme, S.; Schubert, S.; Gehrman, H.-J.; Glorius, T.
Entwicklungen zur Echtzeitanalytik von Ersatzbrennstoffen
Energie aus Abfall, Band 13. Hrsg.: K. J. Thomé-Kozmiensky, TK Verlag Karl Thomé-Kozmiensky, Neuruppin, Seiten 441 - 458

Kutne, P.; Ebenhoch, M.; Meier, W.; Fleck, S.; Hotz, C.
Measurement of the equivalence ratio in an atmospheric gasifier using laser induced breakdown spectroscopy
2016 Imaging and Applied Optics Congress, July 25-28, 2016, Heidelberg, Germany

Leibold, H.; Straczewski, G.
Low-Temperature catalyst for biomass tars decomposition and conversion in fuel gas
TCS 2016 - Symposium on Thermal and Catalytic Sciences for Biofuels and Biobased Products, Chapel Hill, NC, November 1 - 4, 2016

Mai, R.; Meßmer, M.; Leibold, H.; Stapf, D.
Techno-Economic Optimization Potential of High Temperature Syngas Treatment in Gasification Processes
8th International Freiberg Conference on IGCC & Xtl Technologies, Innovative Coal Value Chains, Köln, 12.-16.06.16

Matthes, J.; Hock, J.; Waibel, P.; Scherrmann, A.; Gehrman, H.-J.; Keller, H. B.
A high-speed camera based approach for the on-line analysis of particles in multi-fuel burner flames
Experimental Thermal and Fluid Science, Band 73, Seiten 10 - 17,
DOI: 10.1016/j.expthermflusci.2015.08.017, ISSN: 0894-1777

Mätzing, H.; Baris, D.; Ciuta, S.; Castaldi, M. J.; Gehrman, H.-J.; Stapf, D.
Measurement and modelling of the pyrolysis gas composition of natural wood and waste wood
6th International Conference on Engineering for Waste and Biomass Valorisation and 2nd WasteEng Summer School, Albi, F, May 23 - 26, 2016

Mätzing, H.; Baris, D.; Ciuta, S.; Castaldi, M. J.; Gehrman, H.-J.; Stapf, D.
Measurement and modelling of the pyrolysis gas composition of natural wood and waste wood
6th International Conference on Engineering for Waste and Biomass Valorisation WasteEng 16), Albi, F, May 23 - 26, 2016, Ed.: A. Nzihou, Seiten 190 - 196, USB-Stick, ISBN: 979-10-91526-05-0

Mätzing, H.; Baris, D.; Ciuta, S.; LeBlanc, J.; Castaldi, M. J.; Gehrman, H.-J.; Stapf, D.
A comparison of wood pyrolysis products obtained by thermogravimetry and intraparticle measurements
6th International Conference on Engineering for Waste and Biomass Valorisation and 2nd WasteEng Summer School, Albi, F, May 23 - 26, 2016

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6th International Conference on Engineering for Waste and Biomass Valorisation WasteEng 16), Albi, F, May 23 - 26, 2016, Ed.: A. Nzihou, Seiten 510 - 516, USB-Stick, ISBN: 979-10-91526-05-0

Mörs, F.; Bär, K.; Ortloff, F.; Graf, F.; Kolb, T.
Modellierung von Fermentationsreaktoren zur Erzeugung von einspeisefähigem Biogas innerhalb der Power-to-Gas-Kette
Chemie - Ingenieur - Technik, Band 88, Heft 9, Seiten 1329

Mörs, F.; Bär, K.; Ortloff, F.; Graf, F.; Kolb, T.

Modellierung von Fermentationsreaktoren zur Erzeugung von einspeisefähigem Biogas innerhalb der Power-to-Gas-Kette

ProcessNet-Jahrestagung und 32. DECHEMA-Jahrestagung der Biotechnologen 2016, Aachen, Germany, 12.-15.09.16

Mülhopt, S.; Diabaté, S.; Schlager, C.; Murugadoss, S.; Dilger, M.; Weiss, C.; Krebs, T.; Tang, S.; Gooden, P.; Paur, H.-R.

Effects of cerium oxide nanoparticle aerosol on human lung cells exposed at the Air-Liquid-Interface

22nd European Aerosol Conference (EAC), Tours, F, September 4-9, 2016

Mülhopt, S.; Diabaté, S.; Schlager, C.; Murugadoss, S.; Dilger, M.; Weiss, C.; Krebs, T.; Tang, S.; Gooden, P.; Paur, H.-R.

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22nd European Aerosol Conference (EAC), Tours, F, September 4-9, 2016, 2016.Proceedings on USB-Stick

Mülhopt, S.; Diabaté, S.; Schlager, C.; Murugadoss, S.; Dilger, M.; Weiss, C.; Krebs, T.; Tang, S.; Gooden, P.; Paur, H.-R.

Effects of cerium oxide nanoparticle aerosol on human lung cells exposed at the Air-Liquid-Interface

Air-Liquid Interface Workshop, Paris, March 21, 2016

Mülhopt, S.; Dilger, M.; Diabaté, S.; Schlager, C.; Krebs, T.; Zimmermann, R.; Buters, J.; Oeder, S.; Wäscher, T.; Weiss, C.; Paur, H.-R.

Toxicity testing of combustion aerosols at the air-liquid interface with a self-contained and easy-to-use exposure system

Journal of Aerosol Science, Band 96, Seiten 38 - 55, DOI: 10.1016/j.jaerosci.2016.02.005, ISSN: 0021-8502

Mülhopt, S.; Dilger, M.; Diabaté, S.; Schlager, C.; Krebs, T.; Zimmermann, R.; Buters, J.; Oeder, S.; Weiss, C.; Paur, H.-R.

A lab scale measurement technique for the air-liquid interface exposure of human lung cell cultures towards particulate emissions from combustion processes

11th International Particle Toxicology Conference (IPTC 2016), Singapore, SGP, September 26-30, 2016

Mülhopt, S.; Krebs, T.; Diabaté, S.; Schlager, C.; Paur, H.-R.

Nanoparticles on human lung cells. The vitroculture exposure system for cell cultures at the air-liquid interface

Labor & more International Edition, Band 2016, Heft 2, Seiten 14 - 19

Mülhopt, S.; Schlager, C.; Wilson, K.; Paur, H.-R.

Reproducible aerosol generation for mass balance studies and dosimetry investigation with low particle masses

22nd European Aerosol Conference (EAC), Tours, F, September 4-9, 2016

Mülhopt, S.; Schlager, C.; Wilson, K.; Paur, H.-R.

Reproducible aerosol generation for mass balance studies and dosimetry investigation with low particle masses

22nd European Aerosol Conference (EAC), Tours, F, September 4-9, 2016. Proceedings on USB-Stick

Müller, T.; Habisreuther, P.; Zarzalis, N.; Sängler, A.; Jakobs, T.; Kolb, T.

Investigation on the jet breakup of high-viscous fuels for entrained flow gasification

ASME Turbo Expo. Turbomachinery Technical Conference and Exposition, Seoul, South Korea, 13.-17. Juni 2016

Müller, T.; Habisreuther, P.; Zarzalis, N.; Sängler, A.; Jakobs, T.; Kolb, T.

Investigation on the jet breakup of high-viscous fuels for entrained flow gasification

ASME Turbo Expo. Turbomachinery Technical Conference and Exposition, Seoul, South Korea, 13.-17. Juni 2016, Volume 3: Coal, Biomass and Alternative Fuels, ASME, New York (NY), Seiten V003T03A003/1-11; DOI: 10.1115/GT2016-56371; ISBN: 978-0-7918-4974-3

Müller, T.; Sängler, A.; Habisreuther, P.; Jakobs, T.; Kolb, T.; Zarzalis, N.

Untersuchung des Zerfalls des Brennstoffstrahls bei hochviskosen Brennstoffen im Flugstromvergaser
Jahrestreffen der ProcessNet-Fachgruppe Hochtemperaturtechnik, 10.-11.03.16, Universität Erlangen-Nürnberg

Müller, T.; Sängler, A.; Habisreuther, P.; Jakobs, T.; Trimis, D.; Kolb, T.; Zarzalis, N.

Simulation of the primary breakup of a high-viscosity liquid jet by a coaxial annular gas flow

International Journal of multiphase flow, Band 87, Seiten 212 - 228,
DOI: 10.1016/j.ijmultiphaseflow.2016.09.008, ISSN: 0301-9322, 1879-3533

Müller-Hagedorn, M.; Covella, K.; Weigand, P.; Michelfelder, B.; Eberhard, M.; Kolb, T.

Entrained flow gasification of ash containing slurries for the production of bio-based syngas in the bioliq
TM demo-scale plant

8th International Freiberg Conference on IGCC & Xtl Technologies, Innovative Coal Value Chains,
Köln, 12.-16.06.16, URN: um:nbn:de:swb:90-626690

Nau, P.; Kutne, P.; Eckel, G.; Meier, W.; Hotz, C.; Fleck, S.

Development of an infrared absorption spectrometer for height resolved temperature and species concentration measurements in a gasifier

2016 Imaging and Applied Optics Congress, July 25-28, 2016, Heidelberg, Germany, Verlag OSA,
Washington, DC, DOI: 10.1364/LACSEA.2016.LM2E.3; ISBN: 978-1-943580-15-6

Ortloff, F.; Bohnau, J.; Graf, F.; Kolb, T.

Removal of oxygen from (bio-)methane via catalytic oxidation of CH₄-Reaction kinetics for very low O₂:CH₄ ratios

Applied catalysis / B, Band 182, Seiten 375 - 384, DOI: 10.1016/j.apcatb.2015.09.025,
ISSN: 0926-3373, 1873-3883

Ortloff, F.; Bohnau, J.; Kramar, U.; Graf, F.; Kolb, T.

Studies on the influence of H₂S and SO₂ on the activity of a PdO/Al₂O₃ catalyst for removal of oxygen by total oxidation of (bio-)methane at very low O₂:CH₄ ratios

Applied catalysis / B, Band 182, Seiten 550 - 561, DOI: 10.1016/j.apcatb.2015.09.025, ISSN: 0926-3373, 1873-3883

Paur, H.-R.

Staubabscheider für moderne Feuerungsanlagen

94. Landesverbandstag des Bayerischen Kaminkehrerhandwerks, Landshut, 12.05.16

Paur, H.-R.; Baumann, W.; Hauser, M.; Lang, I.; Teuscher, N.; Seifert, H.; Stapf, D.

Thermal Stability and material balance of nanomaterials in waste incineration

NANOSAFE 2016, Grenoble, F, November 7 - 9, 2016

Paur, H.-R.; Bologna, A.; Aich, W.; Ecker, M.; Rheinheimer, H. P.

Carola-Feinstaubabscheider für Holzgefeuerte Heizkessel - Betriebserfahrungen und Weiterentwicklung

Fachgespräch "Partikelabscheider in häuslichen Feuerungen", Leipzig, 09.03.16

Paur, H.-R.; Bologna, A.; Aich, W.; Ecker, M.; Rheinheimer, H. P.

Field performance of Carola precipitators for small wood-fired boilers

20th ETH-Conference on Combustion Generated Nanoparticles, Zürich, CH, May 13 - 16, 2016

Paur, H.-R.; Bologna, A.; Rheinheimer, H. P.

Electrostatic precipitators for wood fired boilers - Technology development and recent experience from field trials

NIWA, Auckland, NZ, 02.11.16

Sänger, A.; Jakobs, T.; Kolb, T.

Using primary instability analysis for determination of apparent liquid viscosity at jet breakup atomizing non-Newtonian Fluids

ILASS - Europe 2016, 27th Annual Conference on Liquid Atomization and Spray Systems, Brighton, UK, 04.-07.09.16

Sänger, A.; Jakobs, T.; Kolb, T.

Using primary instability analysis for determination of apparent liquid viscosity at jet breakup atomizing non-Newtonian Fluids

ILASS - Europe 2016, 27th Annual Conference on Liquid Atomization and Spray Systems, Brighton, UK, 04.-07.09.16, Verlag: Fraunhofer IRB, München, Seiten Paper AA-18, 8 S., ISBN: 978-1-910172-10-0, URN: um:nbn:de:swb:90-626799,

Sapcariu, S. C.; Kanashova, T.; Dilger, M.; Diabaté, S.; Oeder, S.; Passig, J.; Radischat, C.; Buters, J.; Sippula, O.; Streibel, T.; Paur, H.-R.; Schlager, C.; Mülhopt, S.; Stengel, B.; Rabe, R.; Hamdorf, H.; Krebs, T.; Karg, E.; Gröger, T.; Weiss, C.; Dittmar, G.; Hiller, K.; Zimmermann, R.

Metabolic Profiling as Well as Stable Isotope Assisted Metabolic and Proteomic Analysis of RAW 264.7 Macrophages Exposed to Ship Engine Aerosol Emissions: Different Effects of Heavy Fuel Oil and Refined Diesel Fuel

PLoS one, Band 11, Heft 6, Seiten e0157964, DOI: 10.1371/journal.pone.0157964, ISSN: 1932-6203

Scherrmann, A.; Gehrman, H.-J.; Baumann, W.; Teuscher, N.; Hauser, M.; Seifert, H.; Stapf, D.; Paur, H.-R.; Matthes, J.; Waibel, P.; Vogelbacher, M.; Keller, H.

Mitverbrennung von Biomasse in einer Kraftwerksstaubfeuerung im Pilotmaßstab
48. Kraftwerkstechnisches Kolloquium, 18.-19.10.16, Dresden

Scherrmann, A.; Gehrman, H.-J.; Baumann, W.; Teuscher, N.; Hauser, M.; Seifert, H.; Stapf, D.; Paur, H.-R.; Matthes, J.; Waibel, P.; Vogelbacher, M.; Keller, H.

Mitverbrennung von Biomasse in einer Kraftwerksstaubfeuerung im Pilotmaßstab
Kraftwerkstechnik 2016 - Strategien, Anlagentechnik und Betrieb, Hrsg.: M. Beckmann. Verlag
SAXONIA Standortentwicklungs- und -verwaltungsgesellschaft mbH, Freiberg, Seiten 605 - 624,
ISBN: 978-3-934409-69-9

Seebold, S.; Eberhard, M.; Wu, G.; Yazhenskikh, E.; Sergeev, D.; Kolb, T.; Müller, M.

HVI GasTech: Thermophysical and Chemical Properties of Bioliq Slags
8th International Freiberg Conference on IGCC & Xtl Technologies, Innovative Coal Value Chains,
Köln, 12.-16.06.16

Stapf, D.

Energy from waste - status and latest developments
Energy Innovation 2016, Singapore, SGP, June 3, 2016

Stapf, D.

Energy from waste in Germany
Workshop "Towards a Sustainable Waste Management", Rom, I, May 17, 2016

Stapf, D.

Process efficiency during synthesis gas production and conditioning based on renewable feedstocks
3rd Nuremberg Workshop "Methanation and Second Generation Fuels", Nürnberg, May 19 - 20, 2016

Stapf, D.; Tomasi Morgano, M.; Leibold, H.; Richter, F.

Techno-Economic assessment of Combined Materials and Energy Recycling through Pyrolysis of Residues
10. Kolloquium Sustainable BioEconomy, Karlsruhe, 2. Dezember 2016

Stoesser, P.; Ruf, J.; Gupta, R.; Djordjevic, N.; Kolb, T.

Contribution to the Understanding of Secondary Pyrolysis of Biomass-Based Slurry under Entrained-Flow
Gasification Conditions
Energy & Fuels, Band 30, Heft 8, Seiten 6448 - 6457, DOI: 10.1021/acs.energyfuels.6b00935,
ISSN: 0887-0624

Stoesser, P.; Schneider, C.; Kolb, T.

Droptube Experiments to Characterize Secondary Pyrolysis of Biomass Char
1st International Workshop on Oxy-Fuel Combustion Montabaur, 10.-11.02.16

Straczewski, G.; Leibold, H.

Low-Temperature catalyst for biomass tars decomposition and conversion in fuel gas
Green Solvents Conference, Kiel, October 16 - 19, 2016

Teuscher, N.; Baumann, W.; Hauser, M.; Heneka, M.; Schunck, A.; Gehrman, H.-J.; Baris, D.; Gerig, A.; Paur, H.R.; Stapf, D.

Thermisches Verhalten von TiO₂-Nanopartikeln und TiO₂-haltigen Kunststoffkompositen
Clustertreffen NanoCare, Frankfurt, 3.-4. Mai 2016

Teuscher, N.; Baumann, W.; Hauser, M.; Lang, I. M.; Paur, H.-R.; Stapf, D.

Thermische Stabilität von Nanopartikeln und Freisetzungsuntersuchungen an einer Sonderabfallverbrennungsanlage

ProcessNet-Jahrestagung und 32. DECHEMA-Jahrestagung der Biotechnologen 2016, Aachen, Germany, 12.-15.09.16

Teuscher, N.; Baumann, W.; Hauser, M.; Paur, H.R.; Stapf, D.

The influence of temperature and humidity on the thermal stability of nanoparticles

22nd European Aerosol Conference (EAC), Tours, F, September 4-9, 2016

Teuscher, N.; Baumann, W.; Hauser, M.; Paur, H.R.; Stapf, D.

The influence of temperature and humidity on the thermal stability of nanoparticles

22nd European Aerosol Conference (EAC), Tours, F, September 4-9, 2016. Proceedings on USB-Stick

Tomasi Morgano, M.; Bergfeldt, B.; Leibold, H.; Richter, F.; Stapf, D.; Seifert, H.

Screw Pyrolysis for phosphorus recovery - The example of chicken manure

IPW8 - 8th International Phosphorus Workshop in Rostock (Germany), September 12 - 16, 2016

Tomasi Morgano, M.; Boscagli, C.; Jampolski, L.; Leibold, H.; Richter, F.; Seifert, H.; Stapf, D.

Production and Conditioning of Wood Pyrolysis Oil from a Screw Reactor with Integrated Hot Gas Filtration

Advanced Biofuels Symposium 2016 (ABS): Biofuels in a climate of change: sustaining the future, July 6 - 8, 2016, Sheraton Wall Centre, Vancouver, Canada

Tomasi Morgano, M.; Konath, T.; Leibold, H.; Richter, F.; Stapf, D.

Techno-Economic Analysis of Decentral CHP Concepts based on Pyrolysis

Pyro 2016 - 21st International Symposium on Analytical and Applied Pyrolysis, Nancy, France, 9-12 May, 2016

Tomasi Morgano, M.; Konath, T.; Leibold, H.; Richter, F.; Stapf, D.

Techno-Economic Analysis of Decentral CHP Concepts based on Pyrolysis

Pyro 2016 - 21st International Symposium on Analytical and Applied Pyrolysis, Nancy, France, 9-12 May, 2016

Tomasi Morgano, M.; Leibold, H.; Richter, F.; Seifert, H.; Stapf, D.

Modeling a Screw Pyrolysis Reactor with Integrated Filtration

Jahrestreffen der ProcessNet-Fachgruppe Hochtemperaturtechnik, 10.-11.03.16, Universität Erlangen-Nürnberg

Tomasi Morgano, M.; Leibold, H.; Richter, F.; Seifert, H.; Stapf, D.

Screw Pyrolysis of Sewage Sludge: A Technoeconomic Analysis

TCS 2016 - Symposium on Thermal and Catalytic Sciences for Biofuels and Biobased Products, Chapel Hill, NC, November 1 - 4, 2016

Tomasi Morgano, M.; Leibold, H.; Richter, F.; Seifert, H.; Stapf, D.
Screw Pyrolysis Technology for Sewage Sludge Treatment
Venice 2016, 6th International Symposium on Energy from Biomass and Waste, 14. - 17. November
2016, Venice, Italy

Vehlow, J.
Overview of the Pyrolysis and Gasification Processes for Thermal Disposal of Waste
IRRC - Waste-to-Energy Conference, 05. - 06.09.16, Wien, Österreich

Vehlow, J.
Overview of the Pyrolysis and Gasification Processes for Thermal Disposal of Waste
Waste Management, Volume 6. Ed.: K. J. Thomé-Kozmiensky, TK-Verlag, Neuruppin, Seiten 431 - 444,
ISBN: 978-3-944310-29-9

Vehlow, J.
Thermal Destruction of CFC
9th International Conference on Combustion, Incineration/Pyrolysis, Emission and Climate Change
(ICIPEC), Kyoto, Japan, September 20 - 23, 2016

Vehlow, J.
Thermal Destruction of CFC
9th International Conference on Combustion, Incineration/Pyrolysis, Emission and Climate Change
(ICIPEC), Kyoto, Japan, September 20 - 23, 2016

Yon, J.; Ouf, F. X.; Teuscher, N.; Mitchell, B.; Le Garrec, J. L.; Bescond, A.; Baumann, W.
Soot oxidation and thermal stability of nanoparticles in flames, a SAXS approach
22nd European Aerosol Conference (EAC), Tours, F, September 4-9, 2016

Yon, J.; Ouf, F. X.; Teuscher, N.; Mitchell, B.; Le Garrec, J. L.; Bescond, A.; Baumann, W.
Soot oxidation and thermal stability of nanoparticles in flames, a SAXS approach
22nd European Aerosol Conference (EAC), Tours, F, September 4-9, 2016. Proceedings on USB-Stick

Zimmerlin, B.; Eberhard, M.; Fridbjarnarson, G.; Galla, U.; Kolb, T.; Mai, R.; Michelfelder, B.; Niebel, A.;
Weirich, F.; Willy, M.
Status Quo of the bioliq-process at KIT
9th International Seminar on Gasification, 19.-20. Oktober 2016, Malmö, Schweden

Zimmermann, R.; Dittmar, T. G.; Kanashova, T.; Buters, J.; Oeder, S.; Paur, H.-R.; Schlager, C.; Mühlhopt, S.;
Dilger, M.; Weiss, C.; Diabaté, S.; Harndorf, H.; Stengel, B.; Rabe, R.; Hiller, K.; Sapccariu, S. C.; Berube, K. A.;
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