



Maria Laura Mastellone, Chem Eng.

1 ACADEMIC POSITION AND QUALIFICATIONS

PhD in Chemical Engineering, awarded at the University "Federico II" of Naples in December 1999.

Associate Professor in Chemical Industrial Plants and Processes at the University of Campania Luigi Vanvitelli since February 2004.

2 TEACHING ACTIVITIES

Chemical and Biochemical Reaction Engineering

Chemical and Biochemical Plants

3 RESEARCH ACTIVITIES

2018 - present Production of feedstock from plastics using innovative technologies

2016 - present Plasma torch-assisted gasification of hazardous and municipal waste

2016 - present Valorisation of waste plant biomass by means of hydrolysis processes (HTC)

2009 - present Material and Substance Flow Analysis during industrial processes and production/consumption/disposal chains

2006 - 2012 Gasification of waste in pilot-scale fluidised bed reactors

1995 - 2004 Pyrolysis of waste in laboratory and pre-pilot scale fluidised bed reactors

2003 - 2005 Life cycle analysis of municipal waste management systems and post-consumer packaging

2006 - 2008 Production of multi-wall carbon nanotubes in boiling fluidised bed reactors

2006 - 2008 Major accident hazard analysis and industrial safety

1998 - 2007 Fluid dynamics of boiling and circulating fluidised bed reactors

2017 - 2019 Odour impact assessment of anthropogenic sources and dispersion modelling



4 RESEARCH PROJECTS

2022-2024	Feedstock recycling of plastics in the innovative technology MLM-R at demonstrative scale	PRUVIA GmbH Fraunhofer Institute
2023	Plasma-assisted waste gasification in a pilot-scale plant	Bell Production S.p.A.
2020	Experimental activities for the production of syngas from waste for use in dual-fuel engines	Bell Production S.p.A.
2019	Development of plasma technologies for destruction of hazardous gases and conversion of unconverted methane in LNG engines	ATHENA s.r.l.
2018	Hydro-pyrolysis of organic waste and biomass: experimentation in laboratory and pilot scale reactors	C.E.A. S.p.A.
2018	Development of an innovative high-yield, low-impact technology for the conversion of polyolefin plastics into synthetic oil (syncrude)	Pruvia Fuels GmbH
2017	Design, installation and commissioning of a 500kWt pilot plant for plasma torch-assisted waste gasification	Bell Production S.p.A.
2012	Process analysis and design of an automated packaging sorting plant	SRI s.r.l.
2010	Major accident hazard analysis	Unilever
2010	Combustion of manure in boiling fluidised bed reactors	Shap-Corp s.r.l.
2009	Experimentation on pre-pilot fluidised bed gasification plants	progetto flex 64s1 – Ansaldo Ricerche S.p.A.

5 SCIENTIFIC PUBLICATIONS

By SCOPUS (January 2024):

2,501 citations by 1,980 documents

Published documents: 56

h-index: 25



- 2023 Zaccariello L., Mastellone M.L.
Fuel Gas Production from the Co-Gasification of Coal, Plastic Waste, and Wood in a Fluidized Bed Reactor: Effect of Gasifying Agent and Bed Material
(2023), 15 (9), art. no. 7547, DOI: 10.3390/su15097547, MDPI, ISSN: 20711050
- 2023 Battipaglia G., Niccoli F., Kabala J.P., Marzaioli R., Di Santo T., Strumia S., Castaldi S., Petriccione M., Zaccariello L., Battaglia D., Mastellone M.L., Coppola E., Rutigliano F.A.
Hydrochar Application Improves Growth and Intrinsic Water Use Efficiency of *Populus alba*, Especially during Hot Season
(2023) Forests, 14 (4), art. no. 658, DOI: 10.3390/f14040658, MDPI, ISSN: 19994907
- 2023 Zaccariello, L., Battaglia, D., Mastellone, M.L.
Gasification of Recycled Plastic Waste in a Fluidized Bed Reactor: Effect of Operating Conditions
Chemical Engineering Transactions, 101, pp. 253-258, DOI: 10.3303/CET23101043
Italian Association of Chemical Engineering – AIDIC, ISSN: 22839216
- 2022 Zaccariello, L., Battaglia, D., Morrone, B., Mastellone, M.L.
Hydrothermal Carbonization: A Pilot-Scale Reactor Design for Bio-waste and Sludge Pre-treatment
(2022) Waste and Biomass Valorization, 13 (9), pp. 3865-3876. DOI: 10.1007/s12649-022-01859-x
Springer Science and Business Media B.V., ISSN: 18772641
- 2022 Mastellone, M.L., Di Padova, M., Zaccariello, L.
Waste Recovery and Decarbonization: a Sustainable Synergy
(2022) Chemical Engineering Transactions, 96, pp. 385-390. DOI: 10.3303/CET2296065
Italian Association of Chemical Engineering – AIDIC, ISSN: 22839216
- 2022 Zaccariello, L., Battaglia, D., Catauro, M., Morrone, B., Mastellone, M.L.
Hydrothermal Carbonization of Oat in a Lab-Scale Batch Reactor, (2022) Chemical Engineering Transactions, 92, pp.



307-312., DOI: 10.3303/CET2292052, Italian Association of Chemical Engineering – AIDIC, ISSN: 22839216

- 2021 Zaccariello, L., Battaglia, D., Morrone, B., Mastellone, M.L., Hydrothermal carbonization of digestate and leachate in a lab-scale batch reactor
(2021) Chemical Engineering Transactions, 86, pp. 91-96., DOI: 10.3303/CET2186016
Italian Association of Chemical Engineering – AIDIC, ISSN: 22839216
- 2020 Zaccariello L., Mastellone M.L., D'Amelia L.I., Catauro M., Morrone B.
Assessment of integration between lactic acid, biogas and hydrochar production in OFMS plants
Energies
- 2020 Mastellone M.L., Mariani A., Misso E., Morrone B., Unich A., Zaccariello L.
Performance comparison of different thermal fluids in concentrating solar plants
Proceedings of the Thermal and Fluids Engineering Summer Conference
- 2020 Mastellone M.L.
A feasibility assessment of an integrated plastic waste system adopting mechanical and thermochemical conversion processes
Resources, Conservation and Recycling: X
- 2020 ML Mastellone
Technical description and performance evaluation of different packaging plastic waste management's systems in a circular economy perspective
Science of The Total Environment 718, 137233 (2020)
- 2020 L Zaccariello, ML Mastellone
Gasification of Sewage Sludge in a Bench-scale Reactor
Chemical Engineering Transactions 80, 175-180 (2020)
- 2020 A Mariani, ML Mastellone, B Morrone, MV Prati, A Unich
An Organic Rankine Cycle Bottoming a Diesel Engine Powered Passenger Car



Energies 13 (2), 314 (2020)

2020 M.L. Mastellone

Exploitation of Digestate in a Fully Integrated Biowaste Treatment Facility: A Case Study

in: Biogas, IntechOpen (28/4/2020) DOI:
10.5772/intechopen.92223

2020 ML Mastellone, B Morrone, L Zaccariello

Thermal Plasma System Applied To Destroy C-Based Pollutants

5th Thermal and Fluids Engineering Conference (TFEC)
(2020)

2020 ML Mastellone, A Mariani, E Misso, B Morrone, A Unich, L Zaccariello

Performance Comparison Of Different Thermal Fluids In Concentrating Solar Plants

5th Thermal and Fluids Engineering Conference (2020)

2019 R Lotito, N Sonil, B Chiara, F. Berruti, ML Mastellone

Estimation Of H₂S Emissions From A Canadian Landfill Site During Winter Using Inverse Modelling: A Case Study

CISA Publisher (2019)

2019 ML Mastellone, L Zaccariello, R Lotito, D Battaglia

An Experimental Study On Hydrothermal Carbonization Of Anaerobic Digestion Residue

CISA Publishers (2019)

2019 ML Mastellone

A feasibility assessment of an integrated plastic waste system adopting mechanical and thermochemical conversion processes

Resources, Conservation & Recycling: X 4, 100017 (2019)

2019 M.L. Mastellone

The integrated plastic waste management: a technical-economical assessment of an integrated sorting-feedstock recycling system

7th International Conference on Sustainable Solid Waste Management – Heraklion Greece (2019)



- 2018 Cremiato, R., Mastellone, M.L., Tagliaferri, C., Zaccariello, L., Lettieri, P.
Environmental impact of municipal solid waste management using Life Cycle Assessment: The effect of anaerobic digestion, materials recovery and secondary fuels production
Renewable Energy, (2018)
- 2017 Mastellone, M.L., Cremiato, R., Zaccariello, L., Lotito, R.
Evaluation of performance indicators applied to a material recovery facility fed by mixed packaging waste
Waste Management (2017)
- 2015 Zaccariello L., Cremiato R. and Mastellone M.L.
Evaluation of municipal solid waste management performance by material flow analysis: Theoretical approach and case study
Waste Management & Research, SAGE, August 2015, DOI: 10.1177/0734242X15595284
- 2015 Mastellone M.L. and L. Zaccariello
Gasification of Wood and Plastics in a Bubbling Fluidised Bed: The Crucial Role of the Process Modelling
Chapter in book: Transactions on Engineering Technologies, Publisher: Springer, June 2015 - DOI: 10.1007/978-94-017-7236-5_30
- 2015 Lucio Zaccariello and Maria Laura Mastellone,
Fluidized-Bed Gasification of Plastic Waste, Wood, and Their Blends with Coal, Energies, August 3, 2015, ISSN 1996-1073. www.mdpi.com/journal/energies
- 2015 M.L. Mastellone
Clean Energy from Waste (Libro)
NOVA PUBLISHERS (New York), 2015, ISBN: 9781634638272
- 2013 Mastellone M.L., Zaccariello L.
Material flow analysis applied to the hydrogen production by catalytic gasification of plastics.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol. 38, p. 3621-3629, ISSN: 0360-3199, doi: <http://dx.doi.org/10.1016/j.ijhydene.2012.12.111> (2013)



- 2013 Mastellone M.L., Zaccariello L.
Gasification of polyethylene in a bubbling fluidized bed operated with the air staging.
FUEL, vol. 106, p. 226-233, ISSN: 0016-2361,
doi:<http://dx.doi.org/10.1016/j.fuel.2012.12.049> (2013)
- 2013 Mastellone M.L., E. Romeo
“Is the separate collection the best route to Reach the Material Recycling EU Targets in a Sustainable Way?”
International Conference on Solid Waste Management – ISWA 9-12 Ottobre, Vienna (2013)
- 2012 W. Marzocchi, A Garcia-Aristizabal, P Gasparini, M.L. Mastellone, A. Di Ruocco
“Basic principles of multi-risk assessment: A case study in Italy”
Natural Hazards, Springer, ISSN: 0921-030X . 62 (2) pp. 551-573 (2012). IF=1,529
- 2012 Mastellone M.L., U. Arena, L. Zaccariello
“The O₂-Enriched Air Gasification of Coal, Plastics and Wood in a Fluidized Bed Reactor”
Waste Management, Elsevier, ISSN 0956-053X. Volume 32: issue 4; 733-742 (2012)
- 2012 Mastellone M.L., E. Romeo
“A comprehensive analysis of waste collection and management data in an area arising from waste emergency”
VENICE 2012 4th International Symposium on Energy from Biomass and Waste 12-15 November, San Servolo, Venice, Italia (2012)
- 2012 Mastellone M.L.
“Effect of air-staging during the bubbling fluidized bed gasification of polyethylene”
Proceedings of the 21th International Conference on Fluidized Bed Combustion – FBC, ISBN 978-88-89677-83-4. 3-6 Giugno, Napoli (2012)
- 2012 Mastellone M.L.
“Hydrogen production by means of catalytic gasification of plastic waste”
Int. Energy and Material Research Conference - EMR, 20-22 Giugno, Malaga (2012)



- 2011 Mastellone M.L. and U. Arena
"Fluidized bed gasification of mixed plastic wastes: a Material and a Substance flow analysis"
CFB 10, volume a cura di T. Knowlton, Engineering Conferences International, ISBN 978-1-4507-7082-5, pp. 521-528 (2011)
- 2011 Mastellone M.L. and U. Arena
"Waste Management Planning Based on Material and Substance Flow Analyses"
Sardinia 2011-Thirteenth International Waste Management and Landfill Symposium, 3-7 October 2011. S. Margherita di Pula (Cagliari), Sardinia, Italy, p. 313. CISA Publisher, Italy- ISBN 978-88-6265-000-7, (2011)
- 2011 Arena U., F. Di Gregorio, C. Amorese, M.L. Mastellone
"A techno-economic comparison of fluidized bed gasification of two mixed plastic wastes"
Waste Management, Elsevier, ISSN 0956-053X. 31:1494-1504 (2011)
- 2010 Mastellone M.L., D. Santoro, L. Zaccariello, U. Arena
"The Effect of Oxygen-Enriched Air on The Fluidized Bed Co-Gasification of Coal, Plastics and Wood"
3rd Int. Symposium on Energy from Biomass and Waste, Venice, CISA Publisher, Italy; ISBN 978-88-6265-008-3. 8-11 Novembre, 2010.
- 2010 Mastellone M.L., U. Arena, L. Zaccariello
"Co-Gasification of Coal, Plastic Waste and Wood in a Bubbling Fluidized Bed Reactor"
Fuel, Elsevier, ISSN 0016-2361, 89: 2991-3000 (2010)
- 2010 Arena U., L. Zaccariello, M.L. Mastellone
"Fluidized Bed Gasification of Waste-Derived Fuels"
Waste Management, Elsevier, ISSN 0956-053X; 30:1212-1219 (2010)
- 2010 Arena U., L. Zaccariello, M.L. Mastellone
"Gasification of Natural and Waste Biomass in a Pilot Scale Fluidized Bed Reactor"
Combustion Science & Technology, Elsevier, ISSN 0010-2202, 182:1-15 (2010)



- 2010 Arena U., F. Di Gregorio, L. Zaccariello and M.L. Mastellone
"Fluidized bed gasification of biomass: a substance flow analysis"
Fluidization XIII, volume a cura di S.Dong Kim, Y. Kang, J.Keun Lee and Y. Chil Seo, Engineering Conferences International, ISBN 978-0-918902-57-3, pp. 805-812 (2010)
- 2009 Mastellone M.L., P.H. Brunner, U. Arena
"Scenarios of Waste Management for a Waste Emergency Area: a Substance Flow Analysis"
J. of Industrial Ecology, Yale University, Wiley, ISSN 1088-1980, 13/5:735-757 (2009)
- 2009 Arena U., L. Zaccariello, M.L. Mastellone
"Tar Removal During the Fluidized Bed Gasification of Plastic Waste"
Waste Management, ISSN 0956-053X, 29:783-791 (2009)
- 2008 Mastellone M.L. and U. Arena,
"MWCNTs Production by means of Pyrolysis of Polyethylene-Terephthalate in a Bubbling Fluidized Bed",
Proceedings of CleanTech '08, Boston, Maggio 2008
- 2008 Mastellone M.L. and U. Arena
"Olivine as a Tar Removal Catalyst During Fluidized Bed Gasification of Plastic Waste"
AIChE Journal, ISSN 0001-1541, 54/6: 1656-1667 (2008); IF=1.883
- 2008 Arena U., E. Romeo, M.L. Mastellone
"Recursive Operability Analysis of a Pilot Plant Gasifier"
J. Loss Prevention in the Process Industries, Elsevier ISSN 0950-4230, 21/1:50-65 (2008)
- 2008 Arena U., L. Zaccariello, M.L. Mastellone
"Gasification of a plastic waste in a fluidized bed of olivine"
Proc. of CFB9 - 9th Int. Conf. on Circulating Fluidized Beds. volume a cura di J. Werther, W. Nowak, K.-E. Wirth e E.-U. Hartge, ISBN 978-3-930400-57-7, p. 691-696 (2008)
- 2007 M.L. Mastellone, U. Arena, G. Barbato, L. Zaccariello, E. Romeo, S. Granata, A. Frassoldati, T. Faravelli, E. Ranzi,
"Devolatilization and Gasification of Plastic Wastes in a Fluidized Bed Reactor",



Chemical Engineering Transactions, 11: 491-496 ISBN 88-956608-00-6, (2007)

- 2007 Arena U., L. Zaccariello e M.L. Mastellone,
"Gasification of a Plastic Waste in a Pilot Fluidized Bed Reactor"
Chemical Engineering Transactions, 12: 641-646 ISBN 88-901915-4-6, (2007)
- 2007 Arena U. e M.L. Mastellone,
"Multi-Wall Carbon Nanotubes Obtained by Fluidized Bed Pyrolysis of Virgin or Recycled Plastics",
in Fluidization XII, volume a cura di X. Bi, F. Berruti and T. Pugsley, Engineering Conferences International, ISBN 978-0-918902-57-3, pp. 393-400, (2007)
- 2006 Arena, U. e M.L. Mastellone
Fluidized Bed Pyrolysis of Plastic Wastes
In: Feedstock Recycling and Pyrolysis of Waste Plastics,
J. Scheirs e W. Kaminsky (Editori), J. Wiley&Sons Ltd, pp. 435-474, 2006
- 2006 Mastellone, M.L. e U. Arena
"Carbon Nanotubes Production by means of Thermal Treatments of Polymers in Fluidized Bed Reactors"
Proceedings of World Congress on Particle Technology 5, AIChE, Orlando (FL), 24-27 Aprile 2006
- 2006 Arena, U., M.L. Mastellone, G. Camino, E. Boccaleri
"An Innovative Process for Mass Production of Multi-Wall Carbon Nanotubes by means of Low-Cost Pyrolysis of Polyolefins"
Polymer Degradation & Stability, Elsevier ISSN: 0141-3910. 91: 763-768 (2006)
- 2006 Arena U., G. Barbato e M.L. Mastellone
"Material and Energy Recovery by means of Pyrolysis of Polymers in a Fluidized Bed Reactor"
Proceedings of 10th Int. Conf. on Multiphase Flow in Industrial Plant, Centro Edit. UniCal, ISBN 88-7458-049-5, pp. 129-140 (2006)



- 2006 Arena U., E. Romeo e M.L. Mastellone
"Fluidized bed gasification of solid waste: analysis of possible deviations of main process variables"
Proceedings of International Fluidized Bed Combustion (FBC) conference, F. Winter (ed.), Vienna, 21-24 Maggio 2006
- 2005 Perugini, F., M.L. Mastellone, e U. Arena
"A Life Cycle Assessment Of Mechanical And Feedstock Recycling Options For Management Of Plastic Packaging Wastes"
Env. Progress, J. by American Institute of Chemical Engineering (Wiley) ISSN: 1944-7450. 24/2:137-154 (2005)
- 2005 Arena U. e M.L. Mastellone
"Fluidized Pyrolysis and Gasification of Solid Wastes"
Proc. of Industrial Fluidization South Africa 2005, The South African Institute of Mining and Metallurgy, ISBN 1-919782-83-0, pp. 53-68 (2005)
- 2005 Arena U. e M.L. Mastellone
"Production of multi-wall carbon nanotubes by means of fluidized bed pyrolysis of virgin or recycled polymers"
Proceedings of ENS-European Nano System 2005, B. Courtois (ed.), Paris, 14-16 December 2005, Tima editions (ISBN: 2-916187-02-2), pp. 7-12
- 2004 Perugini, F., M.L. Mastellone, e U. Arena
"Environmental aspects of mechanical recycling of PE and PET: a life cycle assessment study"
Progress in Rubber, Plastics and Recycling Technology, 20/1:69-84 (2004)
- 2004 Perugini F., Arena U., Mastellone M.L.
"A life cycle assessment on alternative options for recycling of plastic packaging wastes"
AIChE Spring National Meeting, Conference Proceedings, 2004
- 2004 Mastellone, M.L. e U. Arena
"Bed Defluidization During the Fluidised Bed Pyrolysis of Plastic Waste Mixtures"
Polymer Degradation and Stability, Elsevier ISSN: 0141-3910, 85/3:1051-1058 (2004)



- 2004 Arena, U., M.L. Mastellone, F. Perugini and R. Clift,
"Environmental Assessment of Paper Waste Management Options by means of LCA Methodology"
I&EC REsearch - Industrial Engineering Chemistry Research, ACS publishing, 43:5702-5714 (2004).
- 2003 Mastellone, M.L., M. Ponte e U. Arena
"Design of mitigation systems for indoor and outdoor ammonia releases"
Journal of Loss Prevention in the Process Industries, Elsevier ISSN: 0950-4230 , 16/2:93-101 (2003)
- 2003 Mastellone, M.L., F. Perugini, M. Ponte e U. Arena
"The Devolatilization Step During The Fluidized Bed Conversion of a Biomass"
Clean Air – Int .J. on Energy for a Clean Env., 4/1:71-85 (2003)
- 2003 Arena, U., M.L. Mastellone e F. Perugini
"Life Cycle Assessment of a Plastic Packaging Recycling System"
Int. J. of Life Cycle Assessment, Springer ISSN: 0948-3349, 8: 2, 92-98 (2003).
- 2003 Arena, U., M.L. Mastellone e F. Perugini
"The Environmental Performance of Alternative Solid Waste Management Options: a life cycle assessment study"
Chemical Eng. Journal, Elsevier ISSN: 1385-8947, 96:1-3, 207-222 (2003).
- 2002 Mastellone, M.L., F. Perugini, M. Ponte e U. Arena
"Fluidized bed pyrolysis of a recycled polyethylene"
Polymer Degradation and Stability, Elsevier ISSN: 0141-3910. 76:479-487 (2002)
- 2002 Mastellone, M.L. e U. Arena
"Fluidized Bed Pyrolysis of Polyolefins Wastes: Predictive Defluidization Model"
AIChE Journal, American Institute of Chemical Engineers, ISSN: 1547-590548:7, 1439-1447 (2002)
- 2001 Mastellone, M L, Perugini, F, Ponte, M Arena, U ,Apicella, B, Barbella, R, Ciajolo, A,
"Pyrolysis of polyethylene in a fluidized bed reactor"



16th International Conference on Fluidized Bed Combustion;
Reno, NV; USA; 13-16 May 2001.

- 2001 Arena, U. e M.L. Mastellone
The Phenomenology of Bed Defluidization during the Pyrolysis of a Food-Packaging Plastic Waste"
Powder Technology, Elsevier, ISSN: 0032-5910; 120:127-133 (2001)
- 2001 Arena, U. e M.L. Mastellone
"The Role of Some Process Variables in the Operation of Fluidized Bed Pyrolyzers of Plastic Wastes"
Polymer Recycling, 6:1, 35-41 (2001)
- 2001 Arena, U. e M.L. Mastellone
"Segregation and Defluidization Phenomena During the Pyrolysis of Plastic Mixtures"
in Fluidization X, volume a cura di M. Kwauk, J. Li e W.-C. Young, The American Institute of Chemical Engrs., ISBN 0-939204-60-6, pp. 565-572, (2001)
- 2000 Arena, U. e M.L. Mastellone
"A Systematic Approach to Fixed Carbon Balance during the Fluidized Bed Combustion of a Packaging-Derived Fuel"
Powder Technology, Elsevier, ISSN: 0032-5910; 110:110-116 (2000)
- 2000 Arena, U. e M.L. Mastellone
"Defluidization Phenomena During the Pyrolysis of Two Plastic Wastes"
Chemical Engineering Science, Elsevier, ISSN: 0009-2509, 55:2849-2860 (2000)
- 1999 Mastellone, M.L. e U. Arena
"Carbon Attrition during the Circulating Fluidized Bed Combustion of a Packaging-Derived Fuel"
Combustion and Flame: The official journal of the Combustion Institute, Elsevier, ISSN: 0010-2180; 117, 3:562-573 (1999).
- 1999 Mastellone, M.L. e U. Arena
"The Influence of Particle Size and Density on the Radial Gas Mixing in the Dilute Region of a Circulating Fluidized Bed"
Canadian Journal of Chem. Eng., doi:
10.1002/cjce.5450770207; 77:231-237 (1999)



- 1999 Mastellone, M.L. e U. Arena
"The Effect of Particle Size and Density on Solids Distribution Along the Riser of a Circulating Fluidized Bed "
Chemical Engineering Science., Elsevier, ISSN: 0009-2509; 54:5383-5391 (1999)
- 1999 Mastellone M.L., Arena U.
"Carbon attrition during the circulating fluidized bed combustion of a packaging-derived fuel"
Combustion and Flame, Elsevier, 117: 3, pp 562-573, (1999)
- 1999 Arena, U. e M.L. Mastellone
"Particle Agglomeration during Energy Recovery from Plastic Wastes by means of Fluidized Bed Reactors"
in Proc. of The 15th Internat. Conf. on Fluidized Bed Combustion, volume a cura di R.B.Reuther, articolo FBC99-0010, The American Society of Mechanical Engineers, ISBN 0-7918-1962-0, (1999)
- 1999 Arena, U. e M.L. Mastellone
"Carbon Attrition During the Circulating Fluidized Bed Combustion of a Waste-Derived Fuel "
in Circulating Fluidized Bed Technology VI, volume a cura di J. Werther, DECHEMA Deutsche Gesellschaft für Chemisches, ISBN 3-89746-003-3, pp. 977-982 (1999)
- 1998 Arena, U., Cammarota, A., Mastellone, M.L.
"The influence of operating parameters on the performance of a small L-valve"
Proceedings of Ninth Foundation Conference on Fluidization, Durango, Colorado, May 17-22, (1998) ISBN-10: 0939204568
- 1998 Arena U., Cammarota A., Mastellone M.L.
"The phenomenology of comminution in the fluidized bed combustion of packaging-derived fuels"
Fuel, Elsevier ISSN 0016-2361. 77, 11, pp. 1185-1193 (1998)

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