Energy from municipal solid waste: A comparison with

Progress in Energy and Combustion Science 24, 545-564 DOI: 10.1016/s0360-1285(98)00011-2

Citation Report

#	Article	IF	CITATIONS
1	Use of thermal energy from waste for seawater desalination. Desalination, 2000, 130, 137-146.	8.2	13
2	Incineration of doped sludges in fluidized bed. Fate and partitioning of six targeted heavy metals. I. Pilot plant used and results. Journal of Hazardous Materials, 2000, 80, 81-105.	12.4	60
3	Combustion characteristics and energy recovery of a small mass burn incinerator. International Communications in Heat and Mass Transfer, 2001, 28, 299-310.	5.6	25
4	MSW incineration furnace refractory walls cooling by air impingement jets and effusion. Applied Thermal Engineering, 2001, 21, 1535-1550.	6.0	1
5	Fate of heavy metals during municipal solid waste incineration. Waste Management and Research, 2002, 20, 55-68.	3.9	164
6	Integrated Management of Solid Wastes for New York City. , 2002, , 69.		5
7	Volatile Metal Species in Coal Combustion Flue Gas. Environmental Science & Technology, 2002, 36, 1561-1573.	10.0	71
8	Determining the melting behaviour of ashes from incineration plants via thermal analysis. Journal of Thermal Analysis and Calorimetry, 2003, 72, 1005-1017.	3.6	12
9	Partitioning characteristics of targeted heavy metals in IZAYDAS hazardous waste incinerator. Journal of Hazardous Materials, 2003, 99, 89-105.	12.4	31
10	Emissions From Waste-to-Energy: A Comparison With Coal-Fired Plants. , 2003, , 169.		7
11	Novel and innovative pyrolysis and gasification technologies for energy efficient and environmentally sound MSW disposal. Waste Management, 2004, 24, 53-79.	7.4	390
12	Predicting heavy metal vaporization dynamics in a circulating fluidized bed riser by a Lagrangian approach. Powder Technology, 2004, 146, 20-31.	4.2	3
13	Partitioning of Metal Species during an Enriched Fuel Combustion Experiment. Speciation in the Gaseous and Particulate Phases. Environmental Science & Technology, 2004, 38, 2252-2263.	10.0	37
14	The partitioning of heavy metals in incineration of sludges and waste in a bubbling fluidized bed. Journal of Hazardous Materials, 2005, 126, 158-168.	12.4	57
15	Model predictive control as a tool for improving the process operation of MSW combustion plants. Waste Management, 2005, 25, 788-798.	7.4	35
16	Nitrous oxide (N2O) emissions from waste and biomass to energy plants. Waste Management and Research, 2005, 23, 133-147.	3.9	38
17	Numerical Modeling of Gas Tubular Distributors in Bubbling Fluidized-Bed Incinerators. Industrial & Engineering Chemistry Research, 2006, 45, 6818-6827.	3.7	7
18	MSW catalytic combustion by alkali and alkali–earth salts. Energy, 2006, 31, 2900-2914.	8.8	19

ATION REDO

#	Article	IF	CITATIONS
19	Effects of NaCl on the capture of SO2 by CaCO3 during coal combustion. Fuel, 2006, 85, 524-531.	6.4	12
20	Nitrous oxide emissions from waste incineration. Chemical Papers, 2006, 60, .	2.2	27
21	A review of catalytic processes for the destruction of PCDD and PCDF from waste gases. Applied Catalysis B: Environmental, 2006, 62, 12-20.	20.2	132
22	Combustion Systems for Biomass Fuel. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2007, 29, 303-312.	2.3	57
23	Oxidation characteristics of chars generated from wood impregnated with (NH4)2HPO4 and (NH4)2SO4. Thermochimica Acta, 2007, 456, 120-127.	2.7	20
24	A novel assessment tool for reusability of wastes. Journal of Hazardous Materials, 2007, 139, 575-583.	12.4	2
25	Thermal treatment of harzardous waste for heavy metal recovery. Journal of Hazardous Materials, 2007, 145, 351-357.	12.4	20
26	Environmental assessment of energy production from municipal solid waste incineration. International Journal of Life Cycle Assessment, 2007, 12, 529-536.	4.7	45
27	Study of the composition and gas-phase release characteristics of salt material extracted from MSW ash particles using STA. Journal of Thermal Analysis and Calorimetry, 2007, 88, 769-774.	3.6	3
28	Grate-firing of biomass for heat and power production. Progress in Energy and Combustion Science, 2008, 34, 725-754.	31.2	402
29	High capacity mercury adsorption on freshly ozone-treated carbon surfaces. Carbon, 2008, 46, 518-524.	10.3	34
30	Life cycle assessment of urban waste management: Energy performances and environmental impacts. The case of Rome, Italy. Waste Management, 2008, 28, 2552-2564.	7.4	109
31	Efforts to develop regulations in Korea similar to the US maximum achievable control technology (MACT) regulations for hazardous waste incinerators. Journal of Material Cycles and Waste Management, 2009, 11, 183-190.	3.0	2
32	Life cycle assessment (LCA) of waste management strategies: Landfilling, sorting plant and incineration. Energy, 2009, 34, 2116-2123.	8.8	490
33	Emission reductions potential for energy from municipal solid waste incineration in Chongqing. Renewable Energy, 2009, 34, 2074-2079.	8.9	20
34	Is It Better To Burn or Bury Waste for Clean Electricity Generation?. Environmental Science & Technology, 2009, 43, 1711-1717.	10.0	88
35	Determination of Heavy Metal Pollution in Zonguldak (Turkey) by Moss Analysis (<i>Hypnum) Tj ETQq0 0 0 rgBT</i>	/Overlock 1.6	10 Tf 50 102 28
36	Environmental Assessment of PAHs in Soils Around the Anhui Coal District, China. Archives of Environmental Contamination and Toxicology, 2010, 59, 62-70.	4.1	47

ARTICLE IF CITATIONS An Improving Design of Solid Garbage Crusher for Garbage Coal Production Line., 2010,,. 37 1 Ultrafine Particles From WTE and Other Combustion Sources., 2010,,. Application of EPA Unmix and Nonparametric Wind Regression on High Time Resolution Trace Elements 39 and Speciated Mercury in Tampa, Florida Aerosol. Environmental Science & amp; Technology, 2011, 45, 10.0 35 3511-3518. Emission of carbon dioxide in municipal solid waste incineration in Taiwan: A comparison with thermal power plants. International Journal of Greenhouse Gas Control, 2011, 5, 889-898. Theoretical study on the unimolecular decomposition of thiophenol. Journal of Computational 41 3.3 7 Chemistry, 2011, 32, 2708-2715. Effects of hydrothermal treatment on characteristics and combustion behaviors of municipal solid wastes. Applied Energy, 2011, 88, 3659-3664. 10.1 119 The use of commercial and industrial waste in energy recovery systems – A UK preliminary study. 43 7.4 27 Waste Management, 2011, 31, 1759-1764. The Influence of Oxygen Concentration and Equivalence Ratio on Pyrolysis Gas in Oxygen-Enriched 44 Pyrolysis by Theoretical Calculation. AASRI Procedia, 2012, 3, 427-434. Vaporization of heavy metals during thermal treatment of model solid waste in a fluidized bed 45 8.2 53 incinerator. Chemosphere, 2012, 86, 1122-1126. Gasification of municipal solid waste in the Plasma Gasification Melting process. Applied Energy, 2012, 10.1 152 90, 106-112. Waste as alternative fuel – Minimising emissions and effluents by advanced design. Chemical 47 91 5.6 Engineering Research and Design, 2012, 90, 263-284. Properties of biomass vs. coal fly ashes deposited in electrostatic precipitator. Journal of 38 Electrostatics, 2013, 71, 165-175. The prospects of electricity generation from municipal solid waste (MSW) in Ghana: A better waste 49 7.2 90 management option. Fuel Processing Technology, 2013, 110, 94-102. Vision 2023: Assessing the feasibility of electricity and biogas production from municipal solid waste in Turkey. Renewable and Sustainable Energy Reviews, 2013, 19, 52-63. 16.4 Distribution of trace elements in feed coal and combustion residues from two coal-fired power 51 101 6.4 plants at Huainan, Anhui, China. Fuel, 2013, 107, 315-322. Experimental flow behaviors of irregular particles with silica sand in solid waste fluidized bed. Powder Technology, 2013, 234, 67-75. Possibility of the most cost efficient choice: A divided process approach to method and location 54 3.9 6 selection for municipal solid waste management. Waste Management and Research, 2014, 32, 1073-1082. Study on Distribution Characteristics of Polycyclic Aromatic Hydrocarbons (PAHs) in Coals of Different Coalification Degree. Applied Mechanics and Materials, 0, 521, 662-665.

#	Article	IF	CITATIONS
56	Research on MSW (Municipal Solid Waste) Gasification by CFB (Circulating Flue Bed). Advanced Materials Research, 0, 881-883, 560-563.	0.3	2
57	Behavior of Ni-Based Superalloys in an Actual Waste Incinerator Plant Under Cyclic Conditions for 1,000 h at 900°C. Corrosion, 2014, 70, 1249-1263.	1.1	16
58	Municipal solid waste to liquid transportation fuels – Part I: Mathematical modeling of a municipal solid waste gasifier. Computers and Chemical Engineering, 2014, 71, 636-647.	3.8	58
59	A holistic life cycle analysis of waste management scenarios at increasing source segregation intensity: The case of an Italian urban area. Waste Management, 2014, 34, 2382-2392.	7.4	33
60	Sorption of CO 2 on low-rank coal: Study of influence of various drying methods on microporous characteristics. International Journal of Coal Geology, 2014, 132, 1-5.	5.0	11
61	Evolution of fuel-N in gas phase during biomass pyrolysis. Renewable and Sustainable Energy Reviews, 2015, 50, 408-418.	16.4	86
62	Recent development on the uses of alternative fuels in cement manufacturing process. Fuel, 2015, 145, 84-99.	6.4	160
63	Thermodynamic Equilibrium Model Applied To Predict the Fouling Tendency in a Commercial Fluidized-Bed Boiler, Combusting Solid Waste. Energy & Fuels, 2015, 29, 3483-3494.	5.1	9
64	A review of technologies and performances of thermal treatment systems for energy recovery from waste. Waste Management, 2015, 37, 26-44.	7.4	405
65	Advanced progresses in nature gas pipelining applying different drag reduction/energy saving technologies: a review. European Journal of Environmental and Civil Engineering, 2015, 19, 931-949.	2.1	5
66	Municipal solid waste to liquid transportation fuels – Part II: Process synthesis and global optimization strategies. Computers and Chemical Engineering, 2015, 74, 184-203.	3.8	59
67	Waste generation & management. , 2016, , 19-36.		0
68	Social Urban Metabolism Strategies (SUMS) for Cities. Procedia Environmental Sciences, 2016, 34, 309-327.	1.4	7
69	Effects of additives on the co-pyrolysis of municipal solid waste and paper sludge by using thermogravimetric analysis. Bioresource Technology, 2016, 209, 265-272.	9.6	83
70	A simple kinetic analysis of syngas during steam hydrogasification of biomass using a novel inverted batch reactor with instant high pressure feeding. Bioresource Technology, 2016, 200, 731-737.	9.6	4
71	Enablers towards establishing and growing South Africa's waste to electricity industry. Waste Management, 2017, 68, 774-785.	7.4	16
72	A study on experimental characteristic of co-pyrolysis of municipal solid waste and paper mill sludge with additives. Applied Thermal Engineering, 2017, 111, 292-300.	6.0	59
73	In Situ Measurement of Alkali Metals in an MSW Incinerator Using a Spontaneous Emission Spectrum. Applied Sciences (Switzerland), 2017, 7, 263.	2.5	23

#	Article	IF	CITATIONS
74	Chemical-looping combustion of plastic wastes for in situ inhibition of dioxins. Combustion and Flame, 2018, 191, 9-18.	5.2	46
75	Valorizing municipal solid waste: Waste to energy and activated carbons for water treatment via pyrolysis. Journal of Analytical and Applied Pyrolysis, 2018, 133, 48-58.	5.5	61
76	Prediction of spontaneous combustion in the coal stockpile based on an improved metabolic grey model. Chemical Engineering Research and Design, 2018, 116, 564-577.	5.6	21
77	Estimating source strengths of HCl and SO2 emissions in the flue gas from waste incineration. Journal of Environmental Sciences, 2019, 75, 370-377.	6.1	40
78	A Review of Numerical Modeling and Experimental Analysis of Combustion in Moving Grate Biomass Combustors. Energy & Fuels, 2019, 33, 9367-9402.	5.1	32
79	Promoting Waste-to-Energy. , 2019, , 163-184.		6
80	Evaluation of municipal solid waste options in Turkey: Scenarios for energy recovery, carbon mitigation and consequent financial strategies. Resources, Conservation and Recycling, 2019, 147, 95-110.	10.8	20
81	Waste to bioenergy: a review on the recent conversion technologies. BMC Energy, 2019, 1, .	6.3	285
82	Characterization of Municipal Solid waste's Potential for Power Generation at Mekelle City as a Waste Minimisation strategy. International Journal of Sustainable Engineering, 2020, 13, 68-75.	3.5	8
83	Evaluation of the hazardous emissions from different types of RDF combustion in low power boilers. IOP Conference Series: Materials Science and Engineering, 2020, 791, 012055.	0.6	0
84	Application of Coatings to Alleviate Fireside Corrosion on Heat Transfer Tubes during the Combustion of Low-Grade Solid Fuels: A Review. Energy & Fuels, 2020, 34, 11752-11770.	5.1	17
85	Valorization of food waste for biogas, biohydrogen, and biohythane generation. , 2020, , 15-38.		6
86	Advancement in biogas production from the solid waste by optimizing the anaerobic digestion. Waste Disposal & Sustainable Energy, 2020, 2, 85-103.	2.5	30
87	Is it worth generating energy with garbage? Defining a carbon tax to encourage waste-to-energy cycles. Applied Thermal Engineering, 2020, 173, 115195.	6.0	19
88	Coâ€ŧorrefaction followed by coâ€combustion of intermediate waste epoxy resins and woody biomass in the form of miniâ€pellet. International Journal of Energy Research, 2020, 44, 9317-9332.	4.5	8
89	Effects of torrefaction and water washing on the properties and combustion reactivity of various wastes. International Journal of Energy Research, 2021, 45, 8125-8139.	4.5	7
90	Waste to Bioenergy: Recent Technologies. Clean Energy Production Technologies, 2021, , 85-126.	0.5	0
91	A Mini Review of Technological Options for Disposal of Municipal Solid Waste in India. Current Environmental Management, 2021, 7, 2-12.	0.7	0

#	Article	IF	CITATIONS
92	Aspects of chemical recycling of complex plastic waste via the gasification route. Waste Management, 2021, 126, 65-77.	7.4	37
93	Monitoring air pollution close to a cement plant and in a multi-source industrial area through tree-ring analysis. Environmental Science and Pollution Research, 2021, 28, 54030-54040.	5.3	8
94	Repercussions of clinical waste co-incineration in municipal solid waste incinerator during COVID-19 pandemic. Journal of Hazardous Materials, 2022, 423, 127144.	12.4	16
95	Influence of Oxygen Concentration and Equivalence Ratio on MSW Oxygen-Enriched Gasification Syngas Compositions. , 2015, , 165-176.		1
96	Environmental assessment of energy production from municipal solid waste incineration. International Journal of Life Cycle Assessment, 2007, 12, 529-536.	4.7	12
97	Parallel and series-reaction mechanisms of wood and char combustion. Thermal Science, 2004, 8, 51-64.	1.1	23
99	Treatment of Solid Waste:. , 2015, , 54-69.		5
100	Effect of Nano-Coatings on Waste-to-Energy (WTE) plant : A Review. I-manager's Journal on Electronics Engineering, 2010, 1, 1-7.	0.1	3
101	Scarcity of Energy and Waste-to-Energy (WTE) plant: A Review. I-manager's Journal on Mechanical Engineering, 2011, 1, 1-15.	0.4	2
102	Investigation of Lignite and Firewood Co-combustion in a Furnace for Tobacco Curing Application. American Journal of Applied Sciences, 2006, 3, 1775-1780.	0.2	11
103	Hazardous Air Pollutants Emission Characteristics from Cement Kilns Co-burning Wastes. Environmental Engineering Research, 2009, 14, 212-219.	2.5	7
106	Valorization of cow manure via hydrothermal carbonization for phosphorus recovery and adsorbents for water treatment. Journal of Environmental Management, 2022, 308, 114561.	7.8	26
107	Recent Breakthroughs and Advancements in NOx and SOx Reduction Using Nanomaterials-Based Technologies: A State-of-the-Art Review. Nanomaterials, 2021, 11, 3301.	4.1	6
109	Biofuel from organic waste- a smart solution to conserve nonrenewable resources – A review. Journal of Physics: Conference Series, 2022, 2286, 012028.	0.4	1
110	Comparison of the efficiency of metal recovery from wet- and dry-discharged municipal solid waste incineration bottom ash by air table sorting and milling. Waste Management, 2022, 154, 113-125.	7.4	5
111	Investigation on dioxins emission characteristic during complete maintenance operating period of municipal solid waste incineration. Environmental Pollution, 2023, 318, 120949.	7.5	20
112	Energy generation from coal and conversion technologies. , 2023, , .		0
113	Estimating the Calorific Value and Potential of Electrical Energy Recovery of Organic Fraction of Municipal Solid Waste through Empirically Equations and Theoretically Way. , 0, , .		0

#	Article	IF	CITATIONS
114	Sustainable conversion of agricultural waste to energy and high-value chemicals. , 2023, , 103-142.		1
115	Converting biowaste into sustainable bioenergy through various processes. Bioresource Technology Reports, 2023, 23, 101542.	2.7	4
116	Development of data-intensive techno-economic models for the assessment of a biomass, waste heat, and MSW integrated waste-to-electricity facility. Resources, Conservation & Recycling Advances, 2023, 20, 200188.	2.5	1
117	Ashes from challenging fuels in the circular economy. Waste Management, 2024, 177, 211-231.	7.4	0