

1. Record Nr.	UNINA9910144711103321
Titolo	Feedstock recycling and pyrolysis of waste plastics : converting waste plastics into diesel and other fuels
Pubbl/distr/stampa	[Place of publication not identified], : J Wiley & Sons, 2006
ISBN	0-470-02154-3 0-470-02153-5
Collana	Wiley series in polymer science Feedstock recycling and pyrolysis of waste plastics
Disciplina	668.4/192
Soggetti	Plastics industry and trade - Waste minimization Plastics - Recycling Pyrolysis - Recycling Plastic scrap Environmental Engineering Civil & Environmental Engineering Engineering & Applied Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di contenuto	Introduction to feedstock recycling of plastics / A. Buekens -- Acid-catalyzed cracking of polyolefins: primary reaction mechanisms / Robert L. White -- Catalytic upgrading of plastic wastes / J. Aguado, D. P. Serrano, J.M. Escola -- Thermal and catalytic conversion of polyolefins / Jerzy Walendziewski -- Thermal and catalytic degradation of waste hdpe / Kyong-Hwan Lee -- Development of a process for the continuous conversion of waste plastics mixtures to fuel / Takao Masuda, Teruoki Tago -- Catalytic degradation of plastic waste to fuel over microporous materials / George Manos -- Liquefaction of municipal waste plastics over acidic and nonacidic catalysts / Jale Yanik, Tamer Karayildirim -- Kinetic model of the chemical and catalytic recycling of waste polyethylene into fuels / Norbert Miskolczi -- Production of gaseous and liquid fuels by pyrolysis and gasification of plastics : technological approach / C. Gisele Jung, Andre Fontana -- Yield and composition of gases and oils/waxes from the feedstock

recycling of waste plastic / Paul T. Williams -- Composition of liquid fuels derived from the pyrolysis of plastics / Marianne Blazso -- Production of premium oil products from waste plastic by pyrolysis and hydroprocessing / S.J. Miller, N. Shah, G.P. Huffman -- The conversion of waste plastics/petroleum residue mixtures to transportation fuels / Mohammad Farhat Ali, Mohammad Nahid Siddiqui -- Overview of commercial pyrolysis processes for waste plastics / John Scheirs -- Fluidized bed pyrolysis of plastic wastes / Umberto Arena, Maria Laura Mastellone -- The Hamburg fluidized-bed pyrolysis process to recycle polymer wastes and tires / Walter Kaminsky -- Liquefaction of PVC mixed plastics / Thallada Bhaskar, Yusaku Sakata -- Liquid fuel from plastic wastes using extrusion-rotary kiln reactors / Sam Behzadi, Mohammed Farid -- Rotary kiln pyrolysis of polymers containing heteroatoms / Andreas Hornung, Helmut Seifert -- Microwave pyrolysis of plastic wastes / C. Ludlow-Palafox, H.A. Chase -- Continuous thermal process for cracking polyolefin wastes to produce hydrocarbons / Jean Dispons -- Waste plastic pyrolysis in free-fall reactors / Ali Y. Bilgesu, M. Cetin Kocak, Ali Karaduman -- Monomer recovery of plastic waste in a fluidized bed process / Walter Kaminsky -- Feedstock recycling of PET / Toshiaki Yoshioka, Guido Grause -- The liquefaction of plastic containers and packaging in Japan / A. Okuwaki, T. Yoshioka, M. Asai, H. Tachibana, K. Wakai, K. Tada -- Process and equipment for conversions of waste plastics into fuels / Alka Zadgaonkar -- Converting waste plastics into liquid fuel by pyrolysis : developments in China / Yuan Xingzhong.
