University of Leeds Classification of Books

Fuel

Excludes:  
Heat transfer (Mech. Eng. E);  
Power stations & nuclear reactors (Mech. Eng. D);  
Pollution technology (Engin.);  
Refineries (Chem. Eng.).

[A] General
A-0.01 Periodicals
A-0.02 Series
A-0.03 Collections of essays, Festschriften, etc.
A-0.04 Bibliographies, literature guides, documentation
A-0.19 Dictionaries, glossaries, handbooks, encyclopaedic works
A-1 General texts

B-0 Basic sciences for fuel technologists

C-0 Energy resources and policies
Statistics, surveys; economics, politics; energy conservation; efficiency; Renewable sources; co-generation

[D] Combustion & flame
D-0.02 – D-0.19
D-1 General
D-2 Stoichiometry and statics. Theoretical aspects
D-3 Dynamics. Ignition, detonation, explosion; temperature, chemistry & physics
D-4 Heat balance and combustion efficiency

[F] Fuels & fuel technology
F-0.02 - F-0.19
F-1 General
F-2 Solid fuels
F-2.1 Wood; ‘live’ vegetable matter; biomass
F-2.2 Peat; lignite
F-2.3 Slurries, wastes and other low grade fuels
F-2.4 High grade fuels; bituminous coal; anthracite
F-2.6 Products (useful): coke, coal tar, asphalt
F-2.8  Treatment of solid fuels:  gassification
conversion to oil (e.g. Fischer-Tropsch)
pulverising
briquetting
liquefaction of coal
F-2.9  Waste-products: clinker, fly ash, slag
F-2.95 Smoke, flue gases  [see also H-6]
F-3  Liquid fuels: oil, petrol, LPG (liquefied petroleum gas)
F-4  Gases as fuels:  town gas
producers gas
natural gas
methane
propane
butane
coal gas
(NB gas fuels may be transported as liquids under pressure)
F-5  Nuclear fuels  see also Mechanical Engineering D
F-6  Rocket propellants
F-7  Explosives
F-8  Fuel cells (electrochemical power sources)
F-9  Energy derived from natural ‘physical’ phenomena
F-9.1  Solar energy
F-9.2  Geothermal energy
F-9.4  Wind power
F-9.6  Tidal generators
F-9.7  Water power (not tidal generators)
F-9.9  Other ‘alternative technology’ sources e.g. methane digestors, biogas

Conventional power generation: see Electrical Engineering U-5

[H  Engineering of fixed installations & appliances]
[for prime movers see Mech. Eng.; for domestic installations see Civil Eng. S]
H-0.02 – H-0.19
H-1  General (furnaces, incinerators, retorts, boilers, flues, turbines etc.)
H-3  Solid fuel appliances
H-4  Oil-fired (liquid fuels in general) appliances
H-5  Gas-fired appliances e.g. gas lamps
H-6  Smoke consumption, cleaning, abatement  [see also pollution technology: Engineering]
H-8  Heat recovery (vs thermal pollution) & insulation
K-0  Fire hazards; fire prevention & protection; fire spread
see also Civil Eng. & Chem. Eng.