

Table A.1 - References used in the database by type of reactor operating regime: batch

Number	Reference	Author(s)	Title
1	Ind. Eng. Chem. Des. Dev. 23, 637 – 641 (1984)	Beaumont, O.; Schwob, Y.	Influence of physical and chemical parameters on wood pyrolysis
2	J. Anal. Appl. Pyrolysis. 12, 61-70 (1987)	Valenzuela-Calahorra, C.; Bernalte-Garcia, A.; Gomez-Serrano, V.; Bernalte-Garcia, M.J.	Influence of particle size and pyrolysis conditions on yield, density, and some textural parameters of Chars prepared from holm-oak wood
3	Fuel. 68, 1012-1016 (1989)	Figueiredo, J. L.; Valenzuela, C.; Bernalte, A.; Encinar, J. M.	Pyrolysis of holm-oak wood: influence of temperature and particle size
4	Ind. Eng. Chem. Res. 32, 2573–2579 (1993).	Balcı, S.; Doğu, T.; Yücel, H.	Pyrolysis Kinetics of Lignocellulosic Materials
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6	Ind. Eng. Chem. Process Des. Dev. 24, 836–844 (1985)	Nunn, T.R.; Howard, J.B.; Longwell, J.P.; Peters, W.A.	Product Compositions and Kinetics in the Rapid Pyrolysis of Sweet Gum Hardwood
7	Fuel. 74, 1812–1822 (1995)	Raveendran, K.; Ganesh, A.; Khilar, K.C.	Influence of mineral matter on biomass pyrolysis characteristics
8	Fuel. 75, 1715–1720 (1996)	Raveendran, K.; Ganesh, A.	Heating value of biomass and biomass pyrolysis products
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12	Energy. 24, 141–150 (1999)	Demirbaş, A.	Properties of charcoal derived from hazelnut shell and the production of briquettes using pyrolytic oil

13	Ind. Eng. Chem. Res. 38, 2216–2224 (1999)	Di Blasi, C.; Signorelli, G.; Di Russo, C.; Rea, G.	Product distribution from pyrolysis of wood and agricultural residues
14	J. Anal. Appl. Pyrolysis. 52, 33–49 (1999)	Pütün, A.E.; Özcan, A.; Pütün, E.	Pyrolysis of hazelnut shells in a fixed-bed tubular reactor: Yields and structural analysis of bio-oil
15	Biomass and Bioenergy. 16, 79–88 (1999)	Della Rocca, P.A.; Cerrella, E.G.; Bonelli, P.R.; Cukierman, A.L.	Pyrolysis of hardwoods residues: On kinetics and chars characterization
16	Energy Convers. Manag. 41, 1749–1756 (2000)	Çağlar, A.; Demirbaş, A.	Conversion of cotton cocoon shell to liquid products by pyrolysis
17	Fuel Process. Technol. 68, 209–222 (2000)	Encinar, J.M.; González, J.F.; González, J.	Fixed-bed pyrolysis of <i>Cynara cardunculus</i> L. Product yields and compositions
18	Biomass and Bioenergy. 19, 271–279 (2000)	Şensöz, S.; Angin, D.; Yorgun, S.	Influence of particle size on the pyrolysis of rapeseed (<i>Brassica napus</i> L.): Fuel properties of bio-oil
19	Ind. Eng. Chem. Res. 40, 5547–5556 (2001)	Di Blasi, C.; Branca, C.	Kinetics of Primary Product Formation from Wood Pyrolysis
20	Appl. Energy. 69, 293–306 (2001)	Fagbemi, L.; Khezami, L.; Capart, R.	Pyrolysis products from different biomasses: application to the thermal cracking of tar
21	J. Anal. Appl. Pyrolysis. 58–59, 995–1007 (2001)	Onay, Ö.; Beis, S.H.; Koçkar, Ö.M.	Fast pyrolysis of rapeseed in a well-swept fixed-bed reactor
22	Renew. Energy. 24, 615–625 (2001)	Özbay, N.; Pütün, A.E.; Uzun, B.B.; Pütün, E.	Biocrude from biomass: Pyrolysis of cottonseed cake
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24	Energy and Fuels. 15, 1488–1497 (2001)	Thunman, H.; Niklasson, F.; Johnsson, F.; Leckner, B.	Composition of volatile gases and thermochemical properties of wood for modeling of fixed or fluidized beds
25	Renew. Energy. 26, 21–32 (2002)	Beis, S.H.; Onay, Ö.; Koçkar, Ö.M.	Fixed-bed pyrolysis of safflower seed: Influence of pyrolysis parameters on product yields and compositions

26	Energy Sources. 24, 337–345 (2002)	Demirbaş, A.	Analysis of Liquid Products from Biomass via Flash Pyrolysis
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28	Biomass and Bioenergy. 23, 307–314 (2002)	Gerçel, H.F.	The production and evaluation of bio-oils from the pyrolysis of sunflower-oil cake
29	Water Res. 36, 3261–3264 (2002)	Menéndez, J.A.; Inguanzo, M.; Pis, J.J.	Microwave-induced pyrolysis of sewage sludge
30	Energy Sources. 24, 275–285 (2002)	Pütün, A.E.	Biomass to bio-oil via fast pyrolysis of cotton straw and stalk
31	Energy. 27, 703–713 (2002)	Pütün, A.E.; Apaydin, E.; Pütün, E.	Bio-oil production from pyrolysis and steam pyrolysis of soybean-cake: product yields and composition
32	Energy Sources. 24, 347–355 (2002)	Şensöz, S.; Can, M.	Pyrolysis of pine (Pinus brutia Ten.) Chips: 1. Effect of Pyrolysis Temperature and Heating Rate on the Product Yields
33	Energy Sources. 24, 357–364 (2002)	Şensöz, S.; Can, M.	Pyrolysis of pine (Pinus brutia Ten.) chips: 2. Structural analysis of bio-oil
34	Energy Sources. 25, 767–778 (2003)	Bonelli, P.R.; Cerrella, E.G.; Cukierman, A.L.	Slow Pyrolysis of Nutshells: Characterization of Derived Chars and Process Kinetics
35	Biomass and Bioenergy. 25, 113–117 (2003)	Das, P.; Ganesh, A.	Bio-oil from pyrolysis of cashew nutshell - A near fuel
36	Energy Sources. 25, 753–765 (2003)	Güllü, D.	Effect of catalyst on yield of liquid products from biomass via pyrolysis
37	Energy Sources. 25, 879–892 (2003)	Onay, Ö.; Koçkar, Ö. M.	Production of bio-oil from biomass: Slow pyrolysis of rapeseed (Brassica napus L.) in a fixed-bed reactor
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39	J. Anal. Appl. Pyrolysis. 71, 779–790 (2004)	Ateş, F.; Pütün, E.; Pütün, A.E.	Fast pyrolysis of sesame stalk: Yields and structural analysis of bio-oil
40	J. Anal. Appl. Pyrolysis. 72, 243–248 (2004)	Demirbas, A.	Effects of temperature and particle size on bio-char yield from pyrolysis of agricultural residues
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44	Energy. 29, 2171–2180 (2004)	Pütün, A.E.; Apaydm, E.; Pütün, E.	Rice straw as a bio-oil source via pyrolysis and steam pyrolysis
45	Fuel. 83, 1469–1482 (2004)	Sharma, R.K.; Wooten, J.B.; Baliga, V.L.; Lin, X.; Chan, W.G.; Hajaligol, M.R.	Characterization of chars from pyrolysis of lignin
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53	J. Anal. Appl. Pyrolysis. 76, 285–289 (2006)	Demirbas, A.	Effect of temperature on pyrolysis products from four nutshells
54	Ind. Crops Prod. 23, 99–105 (2006)	Şensöz, S.; Kaynar, I.	Bio-oil production from soybean (<i>Glycine max</i> L.); Fuel properties of Bio-oil
55	Bioresour. Technol. 97, 429–436 (2006)	Şensöz, S.; Demiral, I.; Gerçel, H.F.	Olive bagasse (<i>Olea europea</i> L.) pyrolysis
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57	Bioresour. Technol. 97, 569–576 (2006)	Uzun, B.B.; Pütün, A.E.; Pütün, E.	Fast pyrolysis of soybean cake: Product yields and compositions
58	Fuel. 86, 1892–1899 (2007)	Apaydin-Varol, E.; Pütün, E.; Pütün, A.E.	Slow pyrolysis of pistachio shell
59	Fuel. 86, 2514–2520 (2007)	Asadullah, M.; Rahman, M.A.; Ali, M.M.; Rahman, M.S.; Motin, M.A.; Sultan, M.B.; Alam, M.R.	Production of bio-oil from fixed bed pyrolysis of bagasse
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63	Ind. Crops Prod. 26, 307–314 (2007)	Pütün, A.E.; Önal, E.; Uzun, B.B.; Özbay, N.	Comparison between the “slow” and “fast” pyrolysis of tobacco residue
64	Bioresour. Technol. 98, 22–28 (2007)	Tsai, W.T.; Lee, M.K.; Chang, Y.M.	Fast pyrolysis of rice husk: Product yields and compositions

65	J. Anal. Appl. Pyrolysis. 78, 265–271 (2007)	Worasuwannarak, N.; Sonobe, T.; Tanthapanichakoon, W.	Pyrolysis behaviors of rice straw, rice husk, and corncob by TG-MS technique
66	Energy and Fuels. 22, 1936–1943 (2008)	Ateş, F.; Işıkdag, M.A.	Evaluation of the role of the pyrolysis temperature in straw biomass samples and characterization of the oils by GC/MS
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73	Int. J. Hydrogen Energy. 34, (2009) 1726–1734 (2009)	Dufour, A.; Girods, P.; Masson, E.; Rogaume, Y.; Zoulalian, A.	Synthesis gas production by biomass pyrolysis: Effect of reactor temperature on product distribution
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75	J. Anal. Appl. Pyrolysis. 85, (2009) 155–162 (2009)	Sricharoenchaikul, V.; Atong, D.	Thermal decomposition study on <i>Jatropha curcas</i> L. waste using TGA and fixed bed reactor
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80	Renew. Energy. 35, (2010) 1319–1324 (2010)	Özçimen, D.; Ersoy-Meriçboyu, A.	Characterization of biochar and bio-oil samples obtained from the carbonization of various biomass materials
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90	Bioresour. Technol. 102, (2011) 8211–8219 (2011)	Fu, P.; Yi, W.; Bai, X.; Li, Z.; Hu, S.; Xiang, J.	Effect of temperature on gas composition and char structural features of pyrolyzed agricultural residues
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92	Bioresour. Technol. 102, (2011) 11018–11026 (2011)	Maddi, B.; Viamajala, S.; Varanasi, S.	Comparative study of pyrolysis of algal biomass from natural lake blooms with lignocellulosic biomass
93	Fuel. 90, (2011) 2538–2544 (2011)	Singh, R.K.; Shadangi, K.P.	Liquid fuel from castor seeds by pyrolysis
94	J. Anal. Appl. Pyrolysis. 91, (2011) 183–189 (2011)	Wang, S.; Guo, X.; Wang, K.; Luo, Z.	Influence of the interaction of components on the pyrolysis behavior of biomass
95	Fuel. 95, 169–177 (2012)	Açikalın, K.; Karaca, F.; Bolat, E.	Pyrolysis of pistachio shell: Effects of pyrolysis conditions and analysis of products
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98	Bioresour. Technol. 124, (2012) 186–189 (2012)	Nayan, N.K.; Kumar, S.; Singh, R.K.	Characterization of the liquid product obtained by pyrolysis of <i>karanja</i> seed
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112	Bioresour. Technol. 155, (2014) 63–70 (2014)	Park, J.; Lee, Y.; Ryu, C.; Park, Y.K.	Slow pyrolysis of rice straw: Analysis of products properties, carbon and energy yields
113	Polym. Degrad. Stab. 100, (2014) 1–9 (2014)	Părpăriță, E.; Brebu, M.; Uddin, M. A.; Yanik, J.; Vasile, C.	Pyrolysis behaviors of various biomasses

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117	Bioresour. Technol. 177, (2015) 406–409 (2015)	Casoni, A.I.; Bidegain, M.; Cubitto, M.A.; Curvetto, N.; Volpe, M.A.	Pyrolysis of sunflower seed hulls for obtaining bio-oils
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