CITATION REPORT List of articles citing

Pelletization of biochar from hydrothermally carbonized wood

DOI: 10.1002/ep.11615 Environmental Progress and Sustainable Energy, 2012, 31, 225-234.

Source: https://exaly.com/paper-pdf/54339232/citation-report.pdf

Version: 2024-04-23

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
130	Effect of salt addition on hydrothermal carbonization of lignocellulosic biomass. 2012 , 99, 271-273		70
129	Quality effects caused by torrefaction of pellets made from Scots pine. 2012 , 101, 23-28		72
128	Hydrothermal carbonization (HTC) of selected woody and herbaceous biomass feedstocks. <i>Biomass Conversion and Biorefinery</i> , 2013 , 3, 113-126	2.3	148
127	Hydrothermal carbonization of agricultural residues. 2013 , 142, 138-46		190
126	Hydrothermal carbonization: Fate of inorganics. <i>Biomass and Bioenergy</i> , 2013 , 49, 86-94	5.3	298
125	Comparative Assessment of Wet Torrefaction. 2013 , 27, 6743-6753		107
124	Intertwining action of additional fiber in preparation of waste sawdust for biofuel pellets. <i>Biomass and Bioenergy</i> , 2013 , 59, 151-157	5.3	7
123	Effects of water recycling in hydrothermal carbonization of loblolly pine. <i>Environmental Progress and Sustainable Energy</i> , 2013 , 33, n/a-n/a	2.5	22
122	Reaction kinetics of hydrothermal carbonization of loblolly pine. 2013 , 139, 161-9		142
121	Preparation and Characterization of Sawdust Derived Bio-Fuel Pellets Depending on "Solid Bridge" Intertwining Action of Hyacinth Fiber. 2014 , 878, 450-458		1
120	Effect of hydrothermal carbonization reaction parameters on the properties of hydrochar and pellets. <i>Environmental Progress and Sustainable Energy</i> , 2014 , 33, 676-680	2.5	92
119	Laboratory pelletization of hydrochar from woody biomass. 2014 , 5, 651-666		23
118	Hydrothermal Carbonization of Lignocellulosic Biomass. 2014 , 275-311		16
117	Hydrothermal carbonization of loblolly pine: reaction chemistry and water balance. <i>Biomass Conversion and Biorefinery</i> , 2014 , 4, 311-321	2.3	142
116	Gasification performance of switchgrass pretreated with torrefaction and densification. 2014 , 127, 194	-201	87
115	Compaction of palm kernel shell biochars for application as solid fuel. <i>Biomass and Bioenergy</i> , 2014 , 70, 489-497	5.3	90
114	Optical texture of hydrochar from maize silage and maize silage digestate. 2014 , 134-135, 74-79		12

(2016-2014)

113	Strength, storage, and combustion characteristics of densified lignocellulosic biomass produced via torrefaction and hydrothermal carbonization. 2014 , 135, 182-191	236
112	Clean solid biofuel production from high moisture content waste biomass employing hydrothermal treatment. 2014 , 131, 345-367	248
111	Preparation and characterization of fuel pellets from woody biomass, agro-residues and their corresponding hydrochars. 2014 , 113, 1315-1322	188
110	Nutrient release from switchgrass-derived biochar pellets embedded with fertilizers. 2014 , 232-234, 341-351	57
109	Engineered pellets from dry torrefied and HTC biochar blends. <i>Biomass and Bioenergy</i> , 2014 , 63, 229-238 _{5.3}	109
108	Hydrothermal carbonization of primary sewage sludge and synthetic faeces: Effect of reaction temperature and time on filterability. <i>Environmental Progress and Sustainable Energy</i> , 2015 , 34, 1279-12 90	19
107	Hydrochars derived from plant biomass under various conditions: Characterization and potential applications and impacts. 2015 , 267, 253-259	141
106	A comparative review of biochar and hydrochar in terms of production, physico-chemical properties and applications. <i>Renewable and Sustainable Energy Reviews</i> , 2015 , 45, 359-378	788
105	Net energy ratio for the production of steam pretreated biomass-based pellets. <i>Biomass and Bioenergy</i> , 2015 , 80, 286-297	19
104	Effects of binders on the properties of bio-char pellets. 2015 , 157, 508-516	132
103	Hydrothermal carbonization (HTC) of wheat straw: influence of feedwater pH prepared by acetic acid and potassium hydroxide. 2015 , 182, 336-344	179
102	Review on comparative study of dry and wet torrefaction. 2015 , 12, 26-37	81
101	Accelerating wet torrefaction rate and ash removal by carbon dioxide addition. 2015, 140, 297-303	33
100	Hydrothermal carbonization of various lignocellulosic biomass. <i>Biomass Conversion and Biorefinery</i> , 2.3	80
99	Production of biofuels via hydrothermal conversion. 2016 , 509-547	7
98	Biochar influences on agricultural soils, crop production, and the environment: A review. 2016 , 24, 495-502	44
97	Spectroscopic tracking of mechanochemical reactivity and modification of a hydrothermal char. 2016 , 6, 12021-12031	13
96	Hydrothermal carbonization (HTC) of cow manure: Carbon and nitrogen distributions in HTC products. <i>Environmental Progress and Sustainable Energy</i> , 2016 , 35, 1002-1011	75

95	Hydrothermal Carbonization of Autoclaved Municipal Solid Waste Pulp and Anaerobically Treated Pulp Digestate. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 3649-3658	8.3	43
94	Characteristics of products from the pyrolysis of oil palm fiber and its pellets in nitrogen and carbon dioxide atmospheres. <i>Energy</i> , 2016 , 94, 569-578	7.9	51
93	Hydrothermal Carbonization (HTC) and Pelletization of Two Arid Land Plants Bagasse for Energy Densification. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 1106-1114	8.3	40
92	The densification of bio-char: Effect of pyrolysis temperature on the qualities of pellets. 2016 , 200, 521	-7	73
91	Upgrading biomass fuels via wet torrefaction: A review and comparison with dry torrefaction. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 54, 665-677	16.2	236
90	Validation of a Multiparameter Model To Investigate Torrefied Biomass Pelletization Behavior. 2017 , 31, 1644-1649		11
89	Investigation of the physical characteristics of washed hydrochar pellets made from empty fruit bunch. 2017 , 160, 109-120		46
88	Integrating Torrefaction in the Wood Pellet Industry: A Critical Review. 2017 , 31, 37-54		63
87	Acetic Acid and Sodium Hydroxide-Aided Hydrothermal Carbonization of Woody Biomass for Enhanced Pelletization and Fuel Properties. 2017 , 31, 12200-12208		45
86	Co-Hydrothermal Carbonization of coal-biomass blend: Influence of temperature on solid fuel properties. 2017 , 167, 711-720		38
85	Effects of biomass pre-pyrolysis and pyrolysis temperature on magnetic biochar properties. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017 , 127, 196-202	6	40
84	Behavior of Stable Carbon and Stable Nitrogen Isotopes during Hydrothermal Carbonization of biomass. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018 , 131, 85-92	6	10
83	Wet torrefaction of biomass for high quality solid fuel production: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 91, 259-271	16.2	89
82	High-strength charcoal briquette preparation from hydrothermal pretreated biomass wastes. 2018 , 171, 293-300		47
81	A review on the current status of various hydrothermal technologies on biomass feedstock. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 81, 1742-1770	16.2	255
80	Minireview of potential applications of hydrochar derived from hydrothermal carbonization of biomass. 2018 , 57, 15-21		268
79	Sustainable coffee-based CO2 adsorbents: toward a greener production via hydrothermal carbonization. 2018 , 8, 309-323		10
78	Decentralized biorefinery for lignocellulosic biomass: Integrating anaerobic digestion with thermochemical conversion. 2018 , 250, 140-147		44

77	Optimization of Blended Biochar Pellet by the Use of Nutrient Releasing Model. 2018 , 8, 2274		9
76	Characterization of Hydrochar Pellets from Hydrothermal Carbonization of Agricultural Residues. 2018 , 32, 11538-11546		19
75	Hydrothermal Carbonization of Peat Moss and Herbaceous Biomass (Miscanthus): A Potential Route for Bioenergy. 2018 , 11, 2794		14
74	Formulating and Optimizing a Novel Biochar-Based Fertilizer for Simultaneous Slow-Release of Nitrogen and Immobilization of Cadmium. <i>Sustainability</i> , 2018 , 10, 2740	3.6	30
73	Production of fuel pellets via hydrothermal carbonization of food waste using molasses as a binder. <i>Waste Management</i> , 2018 , 77, 185-194	8.6	39
72	Co-hydrothermal carbonization of food waste-woody biomass blend towards biofuel pellets production. 2018 , 267, 371-377		56
71	The pelletization and combustion properties of torrefied Camellia shell via dry and hydrothermal torrefaction: A comparative evaluation. 2018 , 264, 78-89		43
70	Adsorption Characteristics of Ammonium Nitrogen and Plant Responses to Biochar Pellet. <i>Sustainability</i> , 2018 , 10, 1331	3.6	18
69	Valorisation of food waste via hydrothermal carbonisation and techno-economic feasibility assessment. <i>Science of the Total Environment</i> , 2019 , 690, 261-276	10.2	77
68	Hydrothermal carbonization of disposable diapers. 2019 , 7, 103341		11
68 67	Hydrothermal carbonization of disposable diapers. 2019 , 7, 103341 The correlation of physicochemical properties and combustion performance of hydrochar with fixed carbon index. 2019 , 294, 122053		6
	The correlation of physicochemical properties and combustion performance of hydrochar with		
67	The correlation of physicochemical properties and combustion performance of hydrochar with fixed carbon index. 2019 , 294, 122053		6
67 66	The correlation of physicochemical properties and combustion performance of hydrochar with fixed carbon index. 2019 , 294, 122053 Hydrothermal carbonization (HTC) of marine plastic debris. 2019 , 257, 116033 Production of Organic Compounds through Catalyzed Hydrothermal Carbonization of Woody		6
67 66 65	The correlation of physicochemical properties and combustion performance of hydrochar with fixed carbon index. 2019 , 294, 122053 Hydrothermal carbonization (HTC) of marine plastic debris. 2019 , 257, 116033 Production of Organic Compounds through Catalyzed Hydrothermal Carbonization of Woody Biomass. 2019 , 33, 9879-9885		6 15 4
67 66 65	The correlation of physicochemical properties and combustion performance of hydrochar with fixed carbon index. 2019, 294, 122053 Hydrothermal carbonization (HTC) of marine plastic debris. 2019, 257, 116033 Production of Organic Compounds through Catalyzed Hydrothermal Carbonization of Woody Biomass. 2019, 33, 9879-9885 Catalyzed Hydrothermal Carbonization with Process Liquid Recycling. 2019, 33, 1167-1174 Effects of hydrothermal treatment and pelletizing temperature on the mechanical properties of	10.2	6 15 4
67 66 65 64	The correlation of physicochemical properties and combustion performance of hydrochar with fixed carbon index. 2019, 294, 122053 Hydrothermal carbonization (HTC) of marine plastic debris. 2019, 257, 116033 Production of Organic Compounds through Catalyzed Hydrothermal Carbonization of Woody Biomass. 2019, 33, 9879-9885 Catalyzed Hydrothermal Carbonization with Process Liquid Recycling. 2019, 33, 1167-1174 Effects of hydrothermal treatment and pelletizing temperature on the mechanical properties of empty fruit bunch pellets. 2019, 251, 113385 An emerging environmental concern: Biochar-induced dust emissions and their potentially toxic	10.2	6 15 4 7

59	A fundamental research on synchronized torrefaction and pelleting of biomass. <i>Renewable Energy</i> , 2019 , 142, 668-676	8.1	24
58	Biocarbon Production and Use as a Fuel. 2019 , 295-324		2
57	Hydrothermal Carbonization of Various Paper Mill Sludges: An Observation of Solid Fuel Properties. 2019 , 12, 858		23
56	Characterization and pelletization of cotton stalk hydrochar from HTC and combustion kinetics of hydrochar pellets by TGA. 2019 , 244, 479-491		53
55	Hydrothermal carbonization of arecanut husk biomass: fuel properties and sorption of metals. 2019 , 26, 3751-3761		14
54	Optimization of a Boal-likelpelletization technique based on the sustainable biomass fuel of hydrothermal carbonization of wheat straw. 2020 , 242, 118426		26
53	Effects of Hydrothermal Carbonization Conditions on the Combustion and Kinetics of Wheat Straw Hydrochar Pellets and Efficiency Improvement Analyses. 2020 , 34, 587-598		10
52	Technologies for wastewater sludge utilization and energy production: Hydrothermal carbonization of lignocellulosic biomass and sewage sludge. 2020 , 133-153		1
51	Co-hydrothermal carbonization of food waste with yard waste for solid biofuel production: Hydrochar characterization and its pelletization. <i>Waste Management</i> , 2020 , 118, 521-533	8.6	38
50	Size-dependent biochar breaking under compaction: Implications on clogging and pathogen removal in biofilters. <i>Environmental Pollution</i> , 2020 , 266, 115195	9.3	11
49	Binderless fuel pellets from hydrothermal carbonization of municipal yard waste: Effect of severity factor on the hydrochar pellets properties. 2020 , 277, 124295		21
48	Pelletizing of hydrochar biofuels with organic binders. 2020 , 280, 118659		9
47	A Comprehensive Environmental Life Cycle Assessment of the Use of Hydrochar Pellets in Combined Heat and Power Plants. <i>Sustainability</i> , 2020 , 12, 9026	3.6	5
46	Assessment of Agro-Environmental Impacts for Supplemented Methods to Biochar Manure Pellets during Rice (Oryza sativa L.) Cultivation. 2020 , 13, 2070		4
45	Recent trends in biochar production methods and its application as a soil health conditioner: a review. 2020 , 2, 1		34
44	Techno-economic assessment of wet and dry torrefaction of biomass feedstock. <i>Energy</i> , 2020 , 207, 11	82 / 83	18
43	Influence of in-house produced biochars on cracks and retained water during drying-wetting cycles: comparison between conventional plant, animal, and nano-biochars. 2020 , 20, 1983-1996		21
42	A review on hydrothermal carbonization of biomass and plastic wastes to energy products. <i>Biomass and Bioenergy</i> , 2020 , 134, 105479	5.3	105

(2021-2020)

41	Release and stability of water dispersible biochar colloids in aquatic environments: Effects of pyrolysis temperature, particle size, and solution chemistry. <i>Environmental Pollution</i> , 2020 , 260, 114037	, 9.3	16
40	Binder-free torrefied biomass pellets: significance of torrefaction temperature and pelletization parameters by multivariate analysis. <i>Biomass Conversion and Biorefinery</i> , 2020 , 1	2.3	3
39	Progress in biomass torrefaction: Principles, applications and challenges. 2021 , 82, 100887		147
38	Destructive and nondestructive techniques of analyses of biofuel characterization and thermal valorization. 2021 , 237-255		
37	Current status and future prospects of biological routes to bio-based products using raw materials, wastes, and residues as renewable resources. 1-57		6
36	Pan Pelletization of Bone Char Fertilizer: An Evaluation of Process Parameters and Their Effect on Granule Strength. <i>Waste and Biomass Valorization</i> , 2021 , 12, 5599-5610	3.2	O
35	Low-temperature preparation and photoelectrochemical properties of TiO2 nanotubes-graphene-CNT hybrid structure. <i>Environmental Progress and Sustainable Energy</i> , 2021 , 40, e13613	2.5	1
34	Material utilization of green waste: a review on potential valorization methods. 2021, 8,		8
33	Integration of Air Classification and Hydrothermal Carbonization to Enhance Energy Recovery of Corn Stover. 2021 , 14, 1397		2
32	Participation of urea-N absorbed on biochar granules among soil and tobacco plant (Nicotiana tabacumL.) and its potential environmental impact. 2021 , 313, 107371		4
31	Potential use of silica-rich biochar for the formulation of adaptively controlled release fertilizers: A mini review. 2021 , 307, 127188		7
30	Hydrochar: A Review on Its Production Technologies and Applications. <i>Catalysts</i> , 2021 , 11, 939	4	18
29	Influence of activated biochar pellet fertilizer application on greenhouse gas emissions and carbon sequestration in rice (Oryza sativa L.) production. <i>Environmental Pollution</i> , 2021 , 285, 117457	9.3	8
28	Soils and Beyond: Optimizing Sustainability Opportunities for Biochar. Sustainability, 2021 , 13, 10079	3.6	2
27	Overview of the Benefits and Challenges Associated with Pelletizing Biochar. <i>Processes</i> , 2021 , 9, 1591	2.9	4
26	A review of the mechanism of bonding in densified biomass pellets. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 148, 111249	16.2	10
25	Novel K-enriched organomineral fertilizer from sewage sludge-biochar: Chemical, physical and mineralogical characterization. <i>Waste Management</i> , 2021 , 135, 98-108	8.6	5
24	Innovative particleboard material from the organic fraction of municipal solid waste. <i>Journal of Building Engineering</i> , 2021 , 44, 103375	5.2	O

23	The fuel properties and adsorption capacities of torrefied camellia shell obtained via different steam-torrefaction reactors. <i>Energy</i> , 2022 , 238, 121969	7.9	4
22	REVE: Versatile Continuous Pre/Post-Torrefaction Unit for Pellets Production. 2015 , 163-170		2
21	Compaction conditions affect the capacity of biochar-amended sand filters to treat road runoff. <i>Science of the Total Environment</i> , 2020 , 735, 139180	10.2	16
20	Mechanistic Insight into Lignin Slow Pyrolysis by Linking Pyrolysis Chemistry and Carbon Material Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 15843-15854	8.3	7
19	Hydrothermal carbonization of glucose in saline solution: sequestration of nutrients on carbonaceous materials. <i>AIMS Energy</i> , 2016 , 4, 173-189	1.8	10
18	Hydrothermal Carbonization of Deciduous Biomass (<i>Alnus incana</i>) and Pelletization Prospects. <i>Journal of Sustainable Bioenergy Systems</i> , 2017 , 07, 138-148	0.9	3
17	A review on the utilization of industrial biowaste via hydrothermal carbonization. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 154, 111877	16.2	4
16	Comparison of Fuels and Effluents Originating from Washing and Hydrothermal Carbonisation of Residual Biomass. <i>Waste and Biomass Valorization</i> , 1	3.2	1
15	Biochar granulation enhances plant performance on a green roof substrate <i>Science of the Total Environment</i> , 2021 , 813, 152638	10.2	2
14	Ultrasound-guided Venous Catheterization Experiences in Pediatric Burn Cases in Our New Burn Center. <i>Bezmilem Science</i> , 2022 , 10, 35-43	1.7	
13	Blending hydrochar improves hydrophobic properties of corn stover pellets. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	0
12	Hydrothermal carbonization and pelletization of moistened wheat straw. Renewable Energy, 2022,	8.1	O
11	Assessing potassium release in natural silica sand from novel K-enriched sewage sludge biochar fertilizers <i>Journal of Environmental Management</i> , 2022 , 314, 115080	7.9	1
10	Effect of hydrothermal and hydrothermal oxidation pretreatment on the physicochemical properties of biofuel pellet. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022 , 165, 105566	6	O
9	Bioenergy and biofuel production from biomass using thermochemical conversions technologies review. <i>AIMS Energy</i> , 2022 , 10, 585-647	1.8	O
8	Effects of wood ash on physicochemical and morphological characteristics of sludge-derived hydrochar pellets relevant to soil and energy applications. <i>Biomass and Bioenergy</i> , 2022 , 163, 106531	5.3	O
7	Hydrochar Pelletization towards Solid Biofuel from Biowaste Hydrothermal Carbonization. 2023 , 11, 411-422		
6	Densification of waste biomass for manufacturing solid biofuel pellets: a review.		1

CITATION REPORT

5	Design of biomass-based renewable materials for environmental remediation. 2022,	Ο
4	Production of biochar from biowaste and its application in wastewater treatment. 2023 , 149-193	O
3	Pelletization of nitrogen-containing biowaste hydrochar for solid biofuel preparation. 2023, 32, 101012	O
2	Effect of wet torrefaction on the physicochemical characteristics and gasification behavior of biochar. 2023 , 197, 116544	O
1	Biochar-compost as a new option for soil improvement: Application in various problem soils. 2023 , 870, 162024	1