

Animesh Dutta

List of Publications by Year in Descending Order

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

161
papers

5,842
citations

34
h-index

74
g-index

164
ext. papers

7,158
ext. citations

5
avg. IF

6.73
L-index

#	Paper	IF	Citations
161	The Current Status and Future Potential of Biogas Production from Canada's Organic Fraction Municipal Solid Waste. <i>Energies</i> , 2022 , 15, 475	3.1	2
160	Hydrothermal liquefaction of green macroalgae <i>Cladophora glomerata</i> : Effect of functional groups on the catalytic performance of graphene oxide/polyurethane composite. <i>Catalysis Today</i> , 2022 ,	5.3	1
159	Computational Modeling Approaches of Hydrothermal Carbonization: A Critical Review. <i>Energies</i> , 2022 , 15, 2209	3.1	0
158	In vitro plant tissue culture as the fifth generation of bioenergy.. <i>Scientific Reports</i> , 2022 , 12, 5038	4.9	1
157	Technologies for the production of renewable natural gas from organic wastes and their opportunities in existing Canadian pipelines. <i>Fuel Communications</i> , 2022 , 11, 100056	1	1
156	Simulation of biomass-plastic co-gasification in a fluidized bed reactor using Aspen plus. <i>Fuel</i> , 2022 , 319, 123708	7.1	4
155	Exploration of corn distillers solubles from selective milling technology as a novel source of plant-based ACE inhibitory protein hydrolysates.. <i>Food Chemistry</i> , 2022 , 388, 133036	8.5	1
154	Production of antioxidative protein hydrolysates from corn distillers solubles: Process optimization, antioxidant activity evaluation, and peptide analysis. <i>Industrial Crops and Products</i> , 2022 , 184, 115107	5.9	2
153	Hydrothermal Conversion of Waste Biomass from Greenhouses into Hydrochar for Energy, Soil Amendment, and Wastewater Treatment Applications. <i>Energies</i> , 2022 , 15, 3663	3.1	0
152	Integrated hybrid architecture of metal and biochar for high performance asymmetric supercapacitors. <i>Scientific Reports</i> , 2021 , 11, 5387	4.9	14
151	Design of a ternary 3D composite from hydrochar, zeolite and magnetite powder for direct conversion of biomass to gasoline. <i>Chemical Engineering Journal</i> , 2021 , 410, 128323	14.7	7
150	Evaluation of nitrogenous pyrolysates by PyGC/MS for impacts of different proteolytic enzymes on corn distillers solubles. <i>Food and Bioproducts Processing</i> , 2021 , 127, 225-243	4.9	2
149	Wax Recovery from the Pyrolysis of Virgin and Waste Plastics. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 8301-8309	3.9	5
148	Effects of FeCl Catalytic Hydrothermal Carbonization on Chemical Activation of Corn Wet Distillers' Fiber. <i>ACS Omega</i> , 2021 , 6, 14875-14886	3.9	4
147	Steam gasification of hydrochar derived from hydrothermal carbonization of fruit wastes. <i>Renewable Energy</i> , 2021 , 171, 582-591	8.1	10
146	Miscanthus to Biocarbon for Canadian Iron and Steel Industries: An Innovative Approach. <i>Energies</i> , 2021 , 14, 4493	3.1	1
145	Catalytic Hydrothermal Carbonization Treatment of Biomass for Enhanced Activated Carbon: A Review. <i>Waste and Biomass Valorization</i> , 2021 , 12, 2171-2186	3.2	14

144	Development of a mathematical model for hydrothermal carbonization of biomass: Comparison of experimental measurements with model predictions. <i>Energy</i> , 2021 , 214, 119020	7.9	9
143	Biomass-Based CO ₂ Adsorbents for Biogas Upgradation with Pressure Swing Adsorption. <i>Green Energy and Technology</i> , 2021 , 231-262	0.6	
142	Energy Potential of Plastic Waste Valorization: A Short Comparative Assessment of Pyrolysis versus Gasification. <i>Energy & Fuels</i> , 2021 , 35, 3558-3571	4.1	13
141	Hydrothermal carbonization valorization as an alternative application for corn bio-ethanol by-products. <i>Journal of Environmental Chemical Engineering</i> , 2021 , 9, 105431	6.8	5
140	What is the best catalyst for biomass pyrolysis?. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021 , 158, 105280	6	5
139	A Review of Graphene: Material Synthesis from Biomass Sources. <i>Waste and Biomass Valorization</i> , 2021 , 1-45	3.2	5
138	Study of the fuel properties of extracted oils obtained from low and linear low density polyethylene pyrolysis. <i>Fuel</i> , 2021 , 304, 121396	7.1	4
137	Pyrolysis of High-Density Polyethylene in a Fluidized Bed Reactor: Pyro-Wax and Gas Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 18283-18292	3.9	1
136	Numerical Investigation of the Effects of Coke on Transport Properties in an Oxidative Fuel Cell Reformer. <i>ACS Omega</i> , 2020 , 5, 28555-28564	3.9	2
135	Application of analytical pyrolysis to gain insights into proteins of condensed corn distillers solubles from selective milling technology. <i>Food and Bioproducts Processing</i> , 2020 , 124, 354-368	4.9	4
134	Baseline soil characterisation of active landfill sites for future restoration and development in the state of Kuwait. <i>International Journal of Environmental Science and Technology</i> , 2020 , 17, 4407-4418	3.3	5
133	Characterization of ultrasonic-treated corn crop biomass using imaging, spectral and thermal techniques: a review. <i>Biomass Conversion and Biorefinery</i> , 2020 , 1	2.3	3
132	Numerical Comparison of a Combined Hydrothermal Carbonization and Anaerobic Digestion System with Direct Combustion of Biomass for Power Production. <i>Processes</i> , 2020 , 8, 43	2.9	18
131	Biochar-based composites as electrode active materials in hybrid supercapacitors with particular focus on surface topography and morphology. <i>Journal of Energy Storage</i> , 2020 , 29, 101291	7.8	16
130	Hydrogen-Rich Gas Stream from Steam Gasification of Biomass: Eggshell as a CO ₂ Sorbent. <i>Energy & Fuels</i> , 2020 , 34, 4828-4836	4.1	15
129	Efficiency Analysis of Crude Versus Pure Cellulase in Industry. <i>Clean Energy Production Technologies</i> , 2020 , 283-298	0.8	1
128	Ash removal from various spent liquors by oxidation process for bio-carbon production. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103520	6.8	1
127	Biohydrogen Production by Catalytic Supercritical Water Gasification: A Comparative Study. <i>ACS Omega</i> , 2020 , 5, 15390-15401	3.9	7

126	Product evaluation of hydrothermal carbonization of biomass: semi-continuous vs. batch feeding. <i>Biomass Conversion and Biorefinery</i> , 2020 , 1	2.3	9
125	Evaluation of the life cycle of hydrothermally carbonized biomass for energy and horticulture application. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 132, 110046	16.2	10
124	Correlations to Predict Properties of Torrefied Biomass Using Mass Loss Fraction and Experimental Validation. <i>Energy & Fuels</i> , 2020 , 34, 11091-11102	4.1	1
123	New Insights for the Future Design of Composites Composed of Hydrochar and Zeolite for Developing Advanced Biofuels from Cranberry Pomace. <i>Energies</i> , 2020 , 13, 6600	3.1	3
122	Physicochemical characteristics and pyrolysis kinetics of raw and torrefied hybrid poplar wood (NM6 [Populus nigra]). <i>Biofuels</i> , 2020 , 11, 329-338	2	3
121	A study on potential recovery of energy and value-added chemicals from in-situ pyrolysis of Bambusa balcooa over basic metal oxides. <i>Journal of Analytical and Applied Pyrolysis</i> , 2020 , 147, 104801	6	6
120	Prediction of Hydrothermal Carbonization with Respect to the Biomass Components and Severity Factor. <i>Energy & Fuels</i> , 2019 , 33, 9916-9924	4.1	32
119	Optimum conditions for high distillation partition performance: Comparative studies. <i>Applied Thermal Engineering</i> , 2019 , 162, 114279	5.8	2
118	Assessment of Greenhouse Gas Emissions from Ontario's Solid Waste Landfills: Assessment of Improvement Scenarios. <i>Journal of Environmental Engineering, ASCE</i> , 2019 , 145, 05019004	2	7
117	Eggshell as a Carbon Dioxide Sorbent: Kinetics of the Calcination and Carbonation Reactions. <i>Energy & Fuels</i> , 2019 , 33, 4474-4486	4.1	5
116	Techno-economic assessment of corn stover for hybrid bioenergy production: A sustainable approach. <i>Case Studies in Thermal Engineering</i> , 2019 , 13, 100408	5.6	7
115	Biochar as a filler in glassfiber reinforced composites: Experimental study of thermal and mechanical properties. <i>Composites Part B: Engineering</i> , 2019 , 175, 107169	10	24
114	Life Cycle Assessment (LCA) of Bioethanol Produced From Different Food Crops: Economic and Environmental Impacts 2019 , 385-399		5
113	A review of the current knowledge and challenges of hydrothermal carbonization for biomass conversion. <i>Journal of the Energy Institute</i> , 2019 , 92, 1779-1799	5.7	133
112	Bio-carbon production by oxidation and hydrothermal carbonization of paper recycling black liquor. <i>Journal of Cleaner Production</i> , 2019 , 213, 332-341	10.3	23
111	Gasification of Plastic Solid Waste and Competitive Technologies 2019 , 269-293		10
110	Life Cycle Assessment (LCA) in Municipal Waste Management Decision Making 2019 , 377-402		2
109	The Valorization of Plastic Via Thermal Means: Industrial Scale Combustion Methods 2019 , 295-312		3

108	Co-Benefits of Wollastonite Weathering in Agriculture: CO Sequestration and Promoted Plant Growth. <i>ACS Omega</i> , 2019 , 4, 1425-1433	3.9	21
107	Charging nanoparticle enhanced bio-based PCM in open cell metallic foams: An experimental investigation. <i>Applied Thermal Engineering</i> , 2019 , 148, 1029-1042	5.8	56
106	Ethanol production by syngas fermentation in a continuous stirred tank bioreactor using <i>Clostridium ljungdahlii</i> . <i>Biofuels</i> , 2019 , 10, 221-237	2	9
105	Modelling of heat transfer during torrefaction of large lignocellulosic biomass. <i>Heat and Mass Transfer</i> , 2018 , 54, 1989-1997	2.2	3
104	Melting of nano-PCM in an enclosed space: Scale analysis and heatline tracking. <i>International Journal of Heat and Mass Transfer</i> , 2018 , 119, 841-859	4.9	38
103	CaO-based CO ₂ sorbents: A review on screening, enhancement, cyclic stability, regeneration and kinetics modelling. <i>Journal of CO₂ Utilization</i> , 2018 , 23, 179-199	7.6	113
102	Nano-PCM filled energy storage system for solar-thermal applications. <i>Renewable Energy</i> , 2018 , 126, 137-155	8.1	82
101	Process Water from the Hydrothermal Carbonization of Biomass: A Waste or a Valuable Product?. <i>Waste and Biomass Valorization</i> , 2018 , 9, 1181-1189	3.2	68
100	An investigation of raw and torrefied lignocellulosic biomasses with CaO during combustion. <i>Journal of the Energy Institute</i> , 2018 , 91, 584-594	5.7	5
99	Municipal Food Waste to Biomethane and Biofertilizer: A Circular Economy Concept. <i>Waste and Biomass Valorization</i> , 2018 , 9, 601-611	3.2	18
98	A review of catalytic partial oxidation of fossil fuels and biofuels: Recent advances in catalyst development and kinetic modelling. <i>Chemical Engineering Research and Design</i> , 2018 , 136, 385-402	5.5	15
97	Mechanical and Alkaline Hydrothermal Treated Corn Residue Conversion in to Bioenergy and Biofertilizer: A Resource Recovery Concept. <i>Energies</i> , 2018 , 11, 516	3.1	5
96	Numerical investigation of CO ₂ valorization via the steam gasification of biomass for producing syngas with flexible H ₂ to CO ratio. <i>Journal of CO₂ Utilization</i> , 2018 , 27, 32-41	7.6	13
95	Beneficiation of renewable industrial wastes from paper and pulp processing. <i>AIMS Energy</i> , 2018 , 6, 880-907		11
94	Challenges and opportunities of lignocellulosic biomass for anaerobic digestion. <i>Resources, Conservation and Recycling</i> , 2018 , 130, 164-174	11.9	176
93	Hydrothermal Carbonization of Fruit Wastes: A Promising Technique for Generating Hydrochar. <i>Energies</i> , 2018 , 11, 2022	3.1	50
92	Effect of convection heat transfer on thermal energy storage unit. <i>Open Physics</i> , 2018 , 16, 861-867	1.3	7
91	Mild Hydrothermal Liquefaction of High Water Content Agricultural Residue for Bio-Crude Oil Production: A Parametric Study. <i>Energies</i> , 2018 , 11, 3129	3.1	8

90	Eggshell as a potential CO sorbent in the calcium looping gasification of biomass. <i>Waste Management</i> , 2018 , 80, 274-284	8.6	12
89	Biocarbon, biomethane and biofertilizer from corn residue: A hybrid thermo-chemical and biochemical approach. <i>Energy</i> , 2018 , 165, 370-384	7.9	11
88	Hydrothermal Carbonization of Peat Moss and Herbaceous Biomass (Miscanthus): A Potential Route for Bioenergy. <i>Energies</i> , 2018 , 11, 2794	3.1	14
87	Effects of Process Water Recycling and Particle Sizes on Hydrothermal Carbonization of Biomass. <i>Energy & Fuels</i> , 2018 , 32, 11576-11586	4.1	32
86	1.19 Biomass Energy 2018 , 770-794		12
85	Pyrolysis kinetics of Sal (<i>Shorea robusta</i>) seeds. <i>Biomass Conversion and Biorefinery</i> , 2017 , 7, 237-246	2.3	9
84	Potential value added applications of black liquor generated at paper manufacturing industry using recycled fibers. <i>Journal of Cleaner Production</i> , 2017 , 149, 156-163	10.3	15
83	Bioenergy Combined with Carbon Capture Potential by Microalgae at Flue Gas-Based Carbon Sequestration Plant of NALCO as Accelerated Carbon Sink. <i>Green Energy and Technology</i> , 2017 , 231-244	0.6	6
82	A review on thermal and catalytic pyrolysis of plastic solid waste (PSW). <i>Journal of Environmental Management</i> , 2017 , 197, 177-198	7.9	414
81	Gasification of biomass in a circulating fluidized bed based calcium looping gasifier for hydrogen-enriched gas production: experimental studies. <i>Biofuels</i> , 2017 , 8, 643-650	2	9
80	Two-dimensional modeling of torrefaction of a large biomass particle. <i>International Journal of Green Energy</i> , 2017 , 14, 1119-1129	3	2
79	Integrated <i>Haematococcus pluvialis</i> biomass production and nutrient removal using bioethanol plant waste effluent. <i>Chemical Engineering Research and Design</i> , 2017 , 111, 128-137	5.5	29
78	Fuel property enhancement of lignocellulosic and nonlignocellulosic biomass through torrefaction. <i>Biomass Conversion and Biorefinery</i> , 2016 , 6, 139-149	2.3	19
77	Heat transfer mechanisms in poplar wood undergoing torrefaction. <i>Heat and Mass Transfer</i> , 2016 , 52, 421-428	2.2	2
76	Analysis of combined solar photovoltaic-nanostructured thermoelectric generator system. <i>International Journal of Green Energy</i> , 2016 , 13, 1175-1184	3	3
75	Development and evaluation of a functional bioreactor for CO fermentation into ethanol. <i>Bioresources and Bioprocessing</i> , 2016 , 3,	5.2	7
74	Intensified green production of astaxanthin from <i>Haematococcus pluvialis</i> . <i>Food and Bioprocess Processing</i> , 2016 , 99, 1-11	4.9	34
73	Comparison of liquid and vapor hydrothermal carbonization of corn husk for the use as a solid fuel. <i>Bioresource Technology</i> , 2016 , 200, 804-11	11	47

72	Hydrothermal Conversion of Neutral Sulfite Semi-Chemical Red Liquor into Hydrochar. <i>Energies</i> , 2016 , 9, 435	3.1	18
71	Catalytic supercritical gasification of biocrude from hydrothermal liquefaction of cattle manure. <i>Applied Catalysis B: Environmental</i> , 2016 , 189, 119-132	21.8	24
70	Melting of nano-phase change material inside a porous enclosure. <i>International Journal of Heat and Mass Transfer</i> , 2016 , 102, 773-787	4.9	31
69	Effect of thermal conductivity on performance of thermoelectric systems based on Effective Medium Theory. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 91, 190-204	4.9	5
68	Syngas Purification in Cryogenic Packed Beds Using a One-Dimensional Pseudo-homogenous Model. <i>Energy & Fuels</i> , 2015 , 29, 5028-5035	4.1	6
67	Dry reforming of multiple biogas types for syngas production simulated using Aspen Plus: The use of partial oxidation and hydrogen combustion to achieve thermo-neutrality. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 6307-6318	6.7	26
66	Technological and life cycle assessment of organics processing odour control technologies. <i>Science of the Total Environment</i> , 2015 , 527-528, 401-12	10.2	28
65	Effect of Convection Heat Transfer on Performance of Waste Heat Thermoelectric Generator. <i>Heat Transfer Engineering</i> , 2015 , 36, 1458-1471	1.7	22
64	Simulation and kinetic modeling of supercritical water gasification of biomass. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 4481-4493	6.7	30
63	Review on comparative study of dry and wet torrefaction. <i>Sustainable Energy Technologies and Assessments</i> , 2015 , 12, 26-37	4.7	81
62	Comparative evaluation of torrefaction and hydrothermal carbonization of lignocellulosic biomass for the production of solid biofuel. <i>Energy Conversion and Management</i> , 2015 , 105, 746-755	10.6	177
61	An Approach to Identify the Suitable Plant Location for Miscanthus-Based Ethanol Industry: A Case Study in Ontario, Canada. <i>Energies</i> , 2015 , 8, 9266-9281	3.1	8
60	Analytical and Numerical Studies of Heat Transfer in Nanocomposite Thermoelectric Coolers. <i>Journal of Electronic Materials</i> , 2015 , 44, 2915-2929	1.9	3
59	Greenhouse gas emissions and production cost of ethanol produced from biosyngas fermentation process. <i>Bioresource Technology</i> , 2015 , 192, 185-91	11	19
58	Convection effect on the melting process of nano-PCM inside porous enclosure. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 85, 206-220	4.9	73
57	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	16.2	788
56	Energy storage system based on nanoparticle-enhanced phase change material inside porous medium. <i>International Journal of Thermal Sciences</i> , 2015 , 91, 49-58	4.1	96
55	Qualitative and kinetic analysis of torrefaction of lignocellulosic biomass using DSC-TGA-FTIR. <i>AIMS Energy</i> , 2015 , 3, 760-773	1.8	14

54	Miscanthus: a promising feedstock for lignocellulosic ethanol industry in Ontario, Canada. <i>AIMS Energy</i> , 2015 , 3, 562-575	1.8	
53	Chemical looping gasification for hydrogen production: A comparison of two unique processes simulated using ASPEN Plus. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 5804-5817	6.7	38
52	Prediction of the heat flux profile on the furnace wall of circulating fluidized bed boilers. <i>Journal of the Energy Institute</i> , 2014 , 87, 314-320	5.7	9
51	Numerical simulation of nanostructured thermoelectric generator considering surface to surrounding convection. <i>International Communications in Heat and Mass Transfer</i> , 2014 , 56, 146-151	5.8	19
50	Strength, storage, and combustion characteristics of densified lignocellulosic biomass produced via torrefaction and hydrothermal carbonization. <i>Applied Energy</i> , 2014 , 135, 182-191	10.7	236
49	Review of syngas fermentation processes for bioethanol. <i>Biofuels</i> , 2014 , 5, 551-564	2	36
48	Effects of Reactor Wall Properties, Operating Conditions and Challenges for SCWG of Real Wet Biomass. <i>Biofuels and Biorefineries</i> , 2014 , 207-228	0.3	
47	Energy Streamlines Analyses on Natural Convection Within Porous Square Enclosure With Internal Obstructions. <i>Journal of Thermal Science and Engineering Applications</i> , 2013 , 5,	1.9	5
46	Life cycle assessment of ethanol derived from sawdust. <i>Bioresource Technology</i> , 2013 , 150, 407-11	11	12
45	Impact of agronomic treatments on fuel characteristics of herbaceous biomass for combustion. <i>Fuel Processing Technology</i> , 2013 , 109, 96-102	7.2	43
44	An experimental study of combustion and emissions of biomass pellets in a prototype pellet furnace. <i>Applied Energy</i> , 2013 , 108, 298-307	10.7	79
43	A Review of Life Cycle of Ethanol Produced from Biosyngas. <i>Bioethanol</i> , 2013 , 1,		3
42	Characterization of Torrefied Willow for Combustion Application. <i>Journal of Biobased Materials and Bioenergy</i> , 2013 , 7, 667-674	1.4	12
41	Experimental investigation of a multi-stage air-steam gasification process for hydrogen enriched gas production. <i>International Journal of Energy Research</i> , 2012 , 36, 335-345	4.5	21
40	Experimental study on sawdust gasification in a spout fluid bed reactor. <i>International Journal of Energy Research</i> , 2012 , 36, 204-217	4.5	8
39	Torrefaction of non -lignocellulose biomass waste. <i>Canadian Journal of Chemical Engineering</i> , 2012 , 90, 186-195	2.3	43
38	A review on advances of torrefaction technologies for biomass processing. <i>Biomass Conversion and Biorefinery</i> , 2012 , 2, 349-369	2.3	132
37	Circulating-Fluidized-Bed-Based Calcium-Looping Gasifier: Experimental Studies on the Calcination/Carbonation Cycle. <i>Industrial & Engineering Chemistry Research</i> , 2012 , 51, 8652-8660	3.9	18

36	Effects of Reactor Design on the Torrefaction of Biomass. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2012 , 134,	2.6	41
35	Life Cycle Assessment of Ethanol Produced from Wheat Straw. <i>Journal of Biobased Materials and Bioenergy</i> , 2012 , 6, 276-282	1.4	5
34	Review of biosolids management options and co-incineration of a biosolid-derived fuel. <i>Waste Management</i> , 2011 , 31, 2228-35	8.6	56
33	Production of bio-syngas and biohydrogen via gasification 2011 , 420-459		4
32	Torrefaction of Agriculture Residue To Enhance Combustible Properties <i>Energy & Fuels</i> , 2010 , 24, 4638-4645	4.1	294
31	Fluidization characteristics of rice husk in a bubbling fluidized bed. <i>Canadian Journal of Chemical Engineering</i> , 2010 , 88, 18-22	2.3	7
30	An investigation into steam gasification of biomass for hydrogen enriched gas production in presence of CaO. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 1582-1589	6.7	215
29	An Investigation Into the Operation of the Twin-Exit Loop-Seal of a Circulating Fluidized Bed Boiler in a Thermal Power Plant and Its Design Implication. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2009 , 131,	2.6	8
28	An experimental investigation of the effect of longitudinal fin orientation on heat transfer in membrane water wall tubes in a circulating fluidized bed. <i>International Journal of Heat and Mass Transfer</i> , 2009 , 52, 1552-1560	4.9	9
27	An investigation of the heat transfer behavior of longitudinal finned membrane water wall tubes in circulating fluidized bed boilers. <i>Powder Technology</i> , 2009 , 193, 187-194	5.2	17
26	Chemical-Looping Gasification of Biomass for Hydrogen-Enriched Gas Production with In-Process Carbon Dioxide Capture. <i>Energy & Fuels</i> , 2009 , 23, 5077-5083	4.1	97
25	Heat transfer in standpipe of circulating fluidised bed boiler. <i>Journal of the Energy Institute</i> , 2009 , 82, 87-94	5.7	
24	Equilibrium modeling of gasification: Gibbs free energy minimization approach and its application to spouted bed and spout-fluid bed gasifiers. <i>Energy Conversion and Management</i> , 2008 , 49, 1345-1356	10.6	178
23	Potential of sustainable energy technologies under CDM in Thailand: Opportunities and barriers. <i>Renewable Energy</i> , 2008 , 33, 2122-2133	8.1	22
22	Production of activated carbon from coconut shell: optimization using response surface methodology. <i>Bioresource Technology</i> , 2008 , 99, 4887-95	11	229
21	An investigation of MSW gasification in a spout-fluid bed reactor. <i>Fuel Processing Technology</i> , 2008 , 89, 949-957	7.2	43
20	Empirical model for predicting cross-sectional averaged suspension density in commercial circulating fluidised bed boilers. <i>Journal of the Energy Institute</i> , 2008 , 81, 69-75	5.7	1
19	Thermodynamic equilibrium model and second law analysis of a downdraft waste gasifier. <i>Energy</i> , 2007 , 32, 1660-1669	7.9	288

18	Low-volatile coal combustion technologies in Vietnam: issues and strategies. <i>World Review of Science, Technology and Sustainable Development</i> , 2007 , 4, 306	1	
17	Heat transfer to the ceiling of the riser of a circulating fluidized bed. <i>Chemical Engineering Science</i> , 2006 , 61, 5907-5911	4-4	2
16	A Innovative Solution to the Problem of Mill Rejects in Thermal Power Plants 2005 , 749		1
15	Experimental investigation into cavity-type inertial separators— novel technique for development of subcompact circulating fluidized bed boilers. <i>International Journal of Energy Research</i> , 2005 , 29, 1279-1300	4-5	5
14	An Improved Cluster-Renewal Model for the Estimation of Heat Transfer Coefficients on the Furnace Walls of Commercial Circulating Fluidized Bed Boilers. <i>Journal of Heat Transfer</i> , 2004 , 126, 1040-1043	1-8	21
13	An Intelligent Tool for Evaluating Bids for Circulating Fluidized Bed Boilers 2003 , 113		
12	Revamping of 4 x 58 MWth Pulverized Coal-Fired Boilers With Circulating Fluidized Bed Firing 2003 , 125		1
11	An Improvement of Cluster-Renewal Model for Estimation of Heat Transfer on the Water-Walls of Commercial CFB Boilers 2003 , 235		6
10	An Investigation on Heat Transfer to the Standpipe of a Circulating Fluidized Bed Boiler. <i>Chemical Engineering Research and Design</i> , 2003 , 81, 1003-1014	5-5	6
9	An experimental investigation into the heat transfer on wing walls in a circulating fluidized bed boiler. <i>International Journal of Heat and Mass Transfer</i> , 2002 , 45, 4479-4491	4-9	22
8	Friction and heat transfer characteristics of laminar swirl flow through a circular tube fitted with regularly spaced twisted-tape elements. <i>International Journal of Heat and Mass Transfer</i> , 2001 , 44, 4211-4223	4-9	167
7	Thermohydraulic Study of Laminar Swirl Flow Through a Circular Tube Fitted With Twisted Tapes. <i>Journal of Heat Transfer</i> , 2001 , 123, 417-427	1-8	72
6	Two-Stage Gasification of Wood with Preheated Air Supply 2000 , 557-561		1
5	Ash Analysis of Poultry Litter, Willow and Oats for Combustion in Boilers		3
4	Latest advances on hybrid solarBiomass power plants. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> ,1-24	1-6	8
3	Valorization and potential of condensed corn distillers solubles fractions from selective milling technology. <i>Biomass Conversion and Biorefinery</i> ,1	2-3	1
2	A review on co-pyrolysis of biomass with plastics and tires: recent progress, catalyst development, and scaling up potential. <i>Biomass Conversion and Biorefinery</i> ,1	2-3	2
1	Controlled release fertilizers (CRFs) for climate-smart agriculture practices: a comprehensive review on release mechanism, materials, methods of preparation, and effect on environmental parameters. <i>Environmental Science and Pollution Research</i> ,	5-1	3

