

Ye Huang

List of Publications by Year in descending order

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56
papers

1,948
citations

257450

24
h-index

243625

44
g-index

57
all docs

57
docs citations

57
times ranked

2363
citing authors

#	ARTICLE	IF	CITATIONS
1	An experimental investigation of the performance and gaseous exhaust emissions of a diesel engine using blends of a vegetable oil. <i>Applied Thermal Engineering</i> , 2006, 26, 1684-1691.	6.0	204
2	Comparative assessment of coal fired IGCC systems with CO ₂ capture using physical absorption, membrane reactors and chemical looping. <i>Fuel</i> , 2009, 88, 2463-2472.	6.4	114
3	A techno-economic assessment of biomass fuelled trigeneration system integrated with organic Rankine cycle. <i>Applied Thermal Engineering</i> , 2013, 53, 325-331.	6.0	108
4	Techno-economic study of CO ₂ capture and storage in coal fired oxygen fed entrained flow IGCC power plants. <i>Fuel Processing Technology</i> , 2008, 89, 916-925.	7.2	99
5	A technical and environmental analysis of co-combustion of coal and biomass in fluidised bed technologies. <i>Fuel</i> , 2007, 86, 2032-2042.	6.4	93
6	Quantification of employment from biomass power plants. <i>Renewable Energy</i> , 2008, 33, 1922-1927.	8.9	86
7	Biomass fuelled trigeneration system in selected buildings. <i>Energy Conversion and Management</i> , 2011, 52, 2448-2454.	9.2	73
8	Comparative techno-economic analysis of biomass fuelled combined heat and power for commercial buildings. <i>Applied Energy</i> , 2013, 112, 518-525.	10.1	73
9	Techno-economic assessment of biofuel development by anaerobic digestion of European marine cold-water seaweeds. <i>Bioresource Technology</i> , 2013, 135, 120-127.	9.6	70
10	Integrated assessment of bioelectricity technology options. <i>Energy Policy</i> , 2009, 37, 890-903.	8.8	66
11	A Techno-economic assessment of the reduction of carbon dioxide emissions through the use of biomass co-combustion. <i>Fuel</i> , 2011, 90, 11-18.	6.4	64
12	Biochar and renewable energy generation from poultry litter waste: A technical and economic analysis based on computational simulations. <i>Applied Energy</i> , 2015, 160, 656-663.	10.1	63
13	Biomass co-firing in a pressurized fluidized bed combustion (PFBC) combined cycle power plant: A techno-environmental assessment based on computational simulations. <i>Fuel Processing Technology</i> , 2006, 87, 927-934.	7.2	61
14	Low emittance coatings and the thermal performance of vacuum glazing. <i>Solar Energy</i> , 2007, 81, 8-12.	6.1	54
15	Techno-economic evaluation of advanced IGCC lignite coal fuelled power plants with CO ₂ capture. <i>Fuel</i> , 2009, 88, 2495-2506.	6.4	50
16	A technical and economic analysis of three large scale biomass combustion plants in the UK. <i>Applied Energy</i> , 2013, 112, 396-404.	10.1	50
17	A comparison of circulating fluidised bed combustion and gasification power plant technologies for processing mixtures of coal, biomass and plastic waste. <i>Fuel Processing Technology</i> , 2006, 87, 793-801.	7.2	45
18	Sustainable and renewable energy from biomass wastes in palm oil industry: A case study in Malaysia. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 23871-23877.	7.1	44

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19	Hybrid coal-fired power plants with CO ₂ capture: A technical and economic evaluation based on computational simulations. <i>Fuel</i> , 2012, 101, 244-253.	6.4	41
20	Technical and environmental study of calcium carbonate looping versus oxy-fuel options for low CO ₂ emission cement plants. <i>International Journal of Greenhouse Gas Control</i> , 2018, 75, 85-97.	4.6	41
21	The feasibility of the sustainable energy supply from bio wastes for a small scale brewery – A case study. <i>Applied Thermal Engineering</i> , 2012, 39, 45-52.	6.0	40
22	An investigation of a household size trigeneration running with hydrogen. <i>Applied Energy</i> , 2011, 88, 2176-2182.	10.1	37
23	Integration of the calcium carbonate looping process into an existing pulverized coal-fired power plant for CO ₂ capture: Techno-economic and environmental evaluation. <i>Applied Energy</i> , 2018, 222, 169-179.	10.1	36
24	Study on the performance and optimization of a scroll expander driven by compressed air. <i>Applied Energy</i> , 2017, 186, 347-358.	10.1	32
25	Performance analysis of biofuel fired trigeneration systems with energy storage for remote households. <i>Applied Energy</i> , 2017, 186, 530-538.	10.1	25
26	Comparative assessment of sub-critical versus advanced super-critical oxyfuel fired PF boilers with CO ₂ sequestration facilities. <i>Fuel</i> , 2007, 86, 2134-2143.	6.4	24
27	Process design for CO ₂ absorption from syngas using physical solvent DMEPEG. <i>International Journal of Greenhouse Gas Control</i> , 2016, 49, 436-448.	4.6	23
28	Trigeneration running with raw jatropha oil. <i>Fuel Processing Technology</i> , 2010, 91, 348-353.	7.2	22
29	A techno-economic analysis of the application of continuous staged-combustion and flameless oxidation to the combustor design in gas turbines. <i>Fuel Processing Technology</i> , 2006, 87, 727-736.	7.2	19
30	Techno-economic study of compressed air energy storage systems for the grid integration of wind power. <i>International Journal of Energy Research</i> , 2018, 42, 559-569.	4.5	19
31	Influences of coal type on the performance of a pressurised fluidised bed combustion power plant. <i>Fuel</i> , 2000, 79, 1595-1601.	6.4	17
32	Natural gas oxy-fuel cycles – Part 3: Economic evaluation. <i>Energy Procedia</i> , 2009, 1, 565-572.	1.8	17
33	The thermal performance of an electrochromic vacuum glazing with selected low-emittance coatings. <i>Thin Solid Films</i> , 2008, 516, 1074-1081.	1.8	16
34	The application of FLOX/COSTAIR technologies to reduce NO _x emissions from coal/biomass fired power plant: A technical assessment based on computational simulation. <i>Fuel</i> , 2007, 86, 2101-2108.	6.4	14
35	Waste biomass from production process co-firing with coal in a steam boiler to reduce fossil fuel consumption: A case study. <i>Journal of Energy Chemistry</i> , 2013, 22, 413-419.	12.9	14
36	A techno-economic analysis of biomass gasifiers integrated with high and intermediate temperature solid oxide fuel cells. <i>International Journal of Energy Research</i> , 2011, 35, 1037-1047.	4.5	13

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37	Techno-economic Analysis of BioChar Production and Energy Generation from Poultry Litter Waste. Energy Procedia, 2014, 61, 714-717.	1.8	13
38	Comparative analysis of energy storage options in connection with coal fired Integrated Gasification Combined Cycles for an optimised part load operation. Fuel, 2012, 101, 154-160.	6.4	11
39	Absorption enhanced reforming of lignite integrated with molten carbonate fuel cell. Fuel, 2006, 85, 2133-2140.	6.4	8
40	Converting brown coal to synthetic liquid fuels through direct coal liquefaction technology: Techno-economic evaluation. International Journal of Energy Research, 2020, 44, 11827-11839.	4.5	8
41	Techno-economic and Environmental Analysis of Calcium Carbonate Looping for CO ₂ Capture from a Pulverised Coal-Fired Power Plant. Energy Procedia, 2017, 142, 3447-3453.	1.8	7
42	Techno-economic assessment of pulverized coal boilers and IGCC power plants with CO ₂ capture. Frontiers of Chemical Engineering in China, 2010, 4, 196-206.	0.6	6
43	Trigeneration integrated with absorption enhanced reforming of lignite and biomass. Fuel, 2009, 88, 2004-2010.	6.4	5
44	Process design for H ₂ S Enrichment in physical solvent DMEPEG. International Journal of Greenhouse Gas Control, 2016, 50, 261-270.	4.6	5
45	Methanol Production from Solid Recovered Fuel and Lignite: Techno-Economic and Environmental Assessment. Waste and Biomass Valorization, 2022, 13, 3801-3819.	3.4	4
46	Gasification of Biowaste Based on Validated Computational Simulations: A Circular Economy Model to Handle Poultry Litter Waste. Waste and Biomass Valorization, 2022, 13, 3899-3911.	3.4	4
47	Process design of CO ₂ desorption from physical solvent di-methyl-ether of poly-ethylene-glycol. Materials Science for Energy Technologies, 2020, 3, 209-217.	1.8	3
48	Process design of thermal stripper for desorption of dissolved H ₂ S from physical solvent Di-Methyl-Ether of poly-Ethylene-Glycol. Materials Science for Energy Technologies, 2020, 3, 1-5.	1.8	2
49	Biofuel trigeneration with energy storage for heating, cooling and power on farms. Energy Reports, 2021, 7, 5394-5405.	5.1	2
50	Waste Utilization in a Spirit Plant as Alternative to Fossil Fuels. Energy Procedia, 2014, 61, 1208-1212.	1.8	1
51	A feasibility study for a new compressed air energy storage generator for the Irish single electricity market. , 2015, , .		1
52	H ₂ S Absorption from Syngas in Physical Solvent DMEPEG. Advances in Intelligent Systems and Computing, 2019, , 341-354.	0.6	1
53	Power generation from biomass in a small CFBC plant compared with biomass co-fired with coal in a large CFBC. International Journal of Ambient Energy, 2007, 28, 143-150.	2.5	0
54	Integration and Performance Assessment of Hydrogen Fired Combined Cycle Power Plant With PSA Process for CO ₂ Capture in a Pre-Combustion IGCC Power Plant. , 2012, , .		0

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55	Analysis of Energy Utilization and Waste in China's Processing Industry Based on a Case Study. Energy Procedia, 2015, 75, 572-577.	1.8	0
56	EMISSIONS REDUCTION BY CO-FIRING BIOMASS OR WASTE WITH COAL IN A PRESSURIZED FLUIDISED BED COMBUSTION COMBINED CYCLE POWER PLANT. , 2007, , .		0