Danhua Mei

List of Publications by Year
in descending order

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31 papers	1,555 citations	567281 15 h-index	713466 21 g-index
31 all docs	31 docs citations	31 times ranked	1056 citing authors

#	Article	IF	Citations
1	Nonthermal plasma catalysis enhances simultaneous removal of toluene and ozone over TiO2@ZIF-8. Journal of Cleaner Production, 2022, 332, 130107.	9.3	20
2	Plasma-Catalytic Reforming of Naphthalene and Toluene as Biomass Tar over Honeycomb Catalysts in a Gliding Arc Reactor. ACS Sustainable Chemistry and Engineering, 2022, 10, 8958-8969.	6.7	13
3	Sustainable plasma-catalytic bubbles for hydrogen peroxide synthesis. Green Chemistry, 2021, 23, 2977-2985.	9.0	42
4	Influence of Water Cooling for Outer Electrode on the Discharge Characteristics of an Atmospheric Coaxial DBD Reactor. IEEE Transactions on Plasma Science, 2021, 49, 1173-1180.	1.3	7
5	Highly efficient reforming of toluene to syngas in a gliding arc plasma reactor. Journal of the Energy Institute, 2021, 98, 131-143.	5.3	14
6	CO2 reforming of CH4 in single and double dielectric barrier discharge reactors: Comparison of discharge characteristics and product distribution. Journal of CO2 Utilization, 2021, 53, 101703.	6.8	14
7	Liquid discharge plasma for fast biomass liquefaction at mild conditions: The effects of homogeneous catalysts. Frontiers of Chemical Science and Engineering, 2020, 14, 763-771.	4.4	0
8	The Optimization of Plasma Catalytic Liquefaction Technique for the Conversion of Sawdust Into Value-Added Chemicals. IEEE Access, 2020, 8, 2621-2630.	4.2	3
9	Plasma-enabled liquefaction of lignocellulosic biomass: Balancing feedstock content for maximum energy yield. Renewable Energy, 2020, 157, 1061-1071.	8.9	18
10	Plasma-Enabled Fast Liquefaction of Lignocellulosic Biomass: Impact of Biomass Feedstocks. , 2020, , .		0
11	Efficient Conversion of CO2 and CH4 Into Value Added Compounds Through Plasma Catalysis Process in a Dielectric Barrier Discharge Reactor. , 2020, , .		0
12	Enhanced reforming of mixed biomass tar model compounds using a hybrid gliding arc plasma catalytic process. Catalysis Today, 2019, 337, 225-233.	4.4	42
13	Plasma reforming of toluene as a model tar compound from biomass gasification: effect of CO2 and steam. Waste Disposal & Sustainable Energy, 2019, 1, 133-141.	2.5	6
14	Plasma reforming of biomass gasification tars using mixed naphthalene and toluene as model compounds. Energy Conversion and Management, 2019, 195, 409-419.	9.2	61
15	The Effect of Dielectric Materials on the Discharge Characersitics of a Coaxial Dielectric Barrier Discharge Driven by Nanosecond Power Supply. , 2018, , .		0
16	Interactions Among Jets in an Atmospheric Pressure Plasma Jet Array in Argon. , 2018, , .		0
17	Conversion of CO 2 in a cylindrical dielectric barrier discharge reactor: Effects of plasma processing parameters and reactor design. Journal of CO2 Utilization, 2017, 19, 68-78.	6.8	134
18	Plasmaâ€catalytic reforming of biogas over supported Ni catalysts in a dielectric barrier discharge reactor: Effect of catalyst supports. Plasma Processes and Polymers, 2017, 14, 1600076.	3.0	80

#	Article	IF	Citations
19	Gliding arc plasma for CO2 conversion: Better insights by a combined experimental and modelling approach. Chemical Engineering Journal, 2017, 330, 11-25.	12.7	97
20	Atmospheric Pressure Nonâ€Thermal Plasma Activation of CO₂ in a Packedâ€Bed Dielectric Barrier Discharge Reactor. ChemPhysChem, 2017, 18, 3253-3259.	2.1	53
21	Steam reforming of toluene as biomass tar model compound in a gliding arc discharge reactor. Chemical Engineering Journal, 2017, 307, 793-802.	12.7	179
22	Plasma Gas Cleaning Process for the Conversion of Biomass Tar Model Compounds Into Syngas*. , 2017, , .		0
23	Optimization of CO₂ Conversion in a Cylindrical Dielectric Barrier Discharge Reactor Using Design of Experiments. Plasma Processes and Polymers, 2016, 13, 544-556.	3.0	104
24	Investigation of hybrid plasma-catalytic removal of acetone over CuO/Î³-Al 2 O 3 catalysts using response surface method. Chemosphere, 2016, 155, 9-17.	8.2	85
25	Plasma-photocatalytic conversion of CO 2 at low temperatures: Understanding the synergistic effect of plasma-catalysis. Applied Catalysis B: Environmental, 2016, 182, 525-532.	20.2	215
26	Plasma-catalytic dry reforming of methane over Al₂O₃ supported metal catalysts. , 2015, , .		1
27	Plasma-catalytic conversion of CO₂ into value-added chemicals: Understanding the synergistic effect at low temperatures. , 2015, , .		1
28	Plasma-catalytic dry reforming of methane over Î³-Al2O3 supported metal catalysts. Catalysis Today, 2015, 256, 80-87.	4.4	131
29	Conversion of methane into hydrogen and C2 hydrocarbons in a dielectric barrier discharge reactor. , 2015, , .		0
30	Plasma-assisted conversion of CO₂in a dielectric barrier discharge reactor: understanding the effect of packing materials. Plasma Sources Science and Technology, 2015, 24, 015011.	3.1	235
31	Vision-based tomographic reconstruction of emissivity distribution in asymmetric thermal plasma. Europhysics Letters, 2013, 103, 35002.	2.0	0