

Rong-Fang Horng

List of Publications by Year in descending order

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29
papers

402
citations

687363

13
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794594

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29
all docs

29
docs citations

29
times ranked

338
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on the hydrogen production by methanol steam reforming with engine exhaust heat recovery strategy. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 4957-4968.	7.1	48
2	Experimental study of syngas production from methane dry reforming with heat recovery strategy. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 25213-25224.	7.1	26
3	Characteristics of hydrogen produced by partial oxidation and auto-thermal reforming in a small methanol reformer. <i>Journal of Power Sources</i> , 2006, 161, 1225-1233.	7.8	23
4	A study of the hydrogen production from a small plasma converter. <i>Fuel</i> , 2007, 86, 81-89.	6.4	23
5	Numerical predictions of design and operating parameters of reformer on the fuel conversion and CO production for the steam reforming of methanol. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 840-852.	7.1	23
6	Transient behaviour of a small methanol reformer for fuel cell during hydrogen production after cold start. <i>Energy Conversion and Management</i> , 2005, 46, 1193-1207.	9.2	22
7	Effects of reaction chamber geometry on the performance and heat/mass transport phenomenon for a cylindrical methanol steam reformer. <i>Applied Energy</i> , 2013, 103, 317-327.	10.1	20
8	Effect of a diffuser on performance enhancement of a cylindrical methanol steam reformer by computational fluid dynamic analysis. <i>Applied Energy</i> , 2017, 206, 312-328.	10.1	19
9	Investigation on the production of hydrogen rich gas in a plasma converter for motorcycle applications. <i>Energy Conversion and Management</i> , 2006, 47, 2155-2166.	9.2	17
10	Experimental Study on the Performance of Oxidative Dry Reforming from Simulated Biogas. <i>Energy Procedia</i> , 2012, 29, 225-233.	1.8	16
11	Study on hydrogen-rich syngas production by dry autothermal reforming from biomass derived gas. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 9619-9629.	7.1	16
12	Hydrogen-rich gas with low-level CO produced with autothermal methanol reforming providing a real-time supply used to drive a kW-scale PEMFC system. <i>Energy</i> , 2022, 239, 122267.	8.8	16
13	Plasma-assisted catalytic reforming of propane and an assessment of its applicability on vehicles. <i>International Journal of Hydrogen Energy</i> , 2009, 34, 6280-6289.	7.1	14
14	Determination of the operating range of CO ₂ conversion and syngas production in dry auto-thermal reforming. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 5705-5712.	7.1	13
15	Numerical analysis of performance enhancement and non-isothermal reactant transport of a cylindrical methanol reformer wrapped with a porous sheath under steam reforming. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 24372-24392.	7.1	13
16	Effect of input energy on the emission of a motorcycle engine with an electrically heated catalyst in cold-start conditions. <i>Applied Thermal Engineering</i> , 2004, 24, 2017-2028.	6.0	11
17	Cold start response of a small methanol reformer by partial oxidation reforming of hydrogen for fuel cell. <i>Applied Thermal Engineering</i> , 2006, 26, 1115-1124.	6.0	11
18	Reforming performance of a plasma-catalyst hybrid converter using low carbon fuels. <i>Energy Conversion and Management</i> , 2009, 50, 2632-2637.	9.2	11

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19	Effects of heating energy and heating position on the conversion characteristics of the catalyst of a four-stroke motorcycle engine in cold start conditions. <i>Energy Conversion and Management</i> , 2004, 45, 2113-2126.	9.2	10
20	Dry autothermal reforming from biomass derived gas under excess enthalpy with porous medium. <i>Journal of Power Sources</i> , 2012, 217, 407-416.	7.8	10
21	Performance enhancement of a plate methanol steam reformer by ribs installed in the reformer channel. <i>Energy</i> , 2019, 167, 588-601.	8.8	10
22	Improvement of Irregular Combustion of Two-Stroke Engine by Skip Injection Control. , 0, , .		7
23	Carbon deposit growth on the electrodes of a plasma converter in the generation of hydrogen from methane. <i>International Journal of Hydrogen Energy</i> , 2006, 31, 2040-2051.	7.1	6
24	Effect of input energy on the cold start characteristics of an EHC with heat storing material on a motorcycle engine. <i>Energy Conversion and Management</i> , 2005, 46, 1043-1057.	9.2	5
25	Investigation of rapid-starting strategy of cold start processing on porous medium-catalyst hybrid reformer. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 11228-11234.	7.1	4
26	Effects of Exhaust Charge Control Valve on Combustion and Emissions of Two-Stroke Cycle Direct-Injection S.I. Engine. , 0, , .		3
27	The infrared thermograph observation of a porous medium assisted catalyst packed-bed under excess enthalpy reforming. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 18612-18617.	7.1	3
28	Influence of necking configuration of a methanol steam reformer on catalyst amount and reforming performance. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2019, , 1-22.	2.3	2
29	Study on the operating range for syngas production by oxidation dry reforming of biogas. , 2016, , .		0