

Yolanda Fernandez Diez

List of Publications by Year in descending order

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17
papers

2,253
citations

567144

15
h-index

887953

17
g-index

17
all docs

17
docs citations

17
times ranked

2260
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave heating processes involving carbon materials. <i>Fuel Processing Technology</i> , 2010, 91, 1-8.	3.7	833
2	Conventional and microwave induced pyrolysis of coffee hulls for the production of a hydrogen rich fuel gas. <i>Journal of Analytical and Applied Pyrolysis</i> , 2007, 79, 128-135.	2.6	295
3	Evidence of Self-Gasification during the Microwave-Induced Pyrolysis of Coffee Hulls. <i>Energy & Fuels</i> , 2007, 21, 373-378.	2.5	174
4	Bio-syngas production with low concentrations of CO ₂ and CH ₄ from microwave-induced pyrolysis of wet and dried sewage sludge. <i>Chemosphere</i> , 2008, 70, 397-403.	4.2	162
5	Pyrolysis of glycerol over activated carbons for syngas production. <i>Journal of Analytical and Applied Pyrolysis</i> , 2009, 84, 145-150.	2.6	137
6	Microwave-assisted catalytic decomposition of methane over activated carbon for CO ₂ CO ₂ -free hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 4792-4799.	3.8	123
7	Influence of feed characteristics on the microwave-assisted pyrolysis used to produce syngas from biomass wastes. <i>Journal of Analytical and Applied Pyrolysis</i> , 2011, 91, 316-322.	2.6	121
8	Biogas to Syngas by Microwave-Assisted Dry Reforming in the Presence of Char. <i>Energy & Fuels</i> , 2007, 21, 2066-2071.	2.5	91
9	Comparative study of conventional and microwave-assisted pyrolysis, steam and dry reforming of glycerol for syngas production, using a carbonaceous catalyst. <i>Journal of Analytical and Applied Pyrolysis</i> , 2010, 88, 155-159.	2.6	73
10	Adsorption isotherms and kinetics of methylene blue on a low-cost adsorbent recovered from a spent catalyst of vinyl acetate synthesis. <i>Applied Surface Science</i> , 2010, 256, 2569-2576.	3.1	70
11	Microwave-assisted pyrolysis of CH ₄ /N ₂ mixtures over activated carbon. <i>Journal of Analytical and Applied Pyrolysis</i> , 2008, 82, 158-162.	2.6	48
12	Leaching zinc from spent catalyst: Process optimization using response surface methodology. <i>Journal of Hazardous Materials</i> , 2010, 176, 1113-1117.	6.5	40
13	Growth of nanofilaments on carbon-based materials from microwave-assisted decomposition of CH ₄ . <i>Applied Surface Science</i> , 2008, 254, 3553-3557.	3.1	33
14	Microwave-assisted synthesis of CuO/ZnO and CuO/ZnO/Al ₂ O ₃ precursors using urea hydrolysis. <i>Solid State Ionics</i> , 2009, 180, 1372-1378.	1.3	24
15	The production of carbon nanofibers and thin films on palladium catalysts from ethylene+oxygen mixtures. <i>Carbon</i> , 2009, 47, 2269-2280.	5.4	18
16	Effect of temperature on the properties of ZnO/activated carbon composites from spent catalysts containing zinc acetate. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2010, 41, 617-621.	2.7	6
17	Graphitic encapsulation of micron- and nano-sized Ni particles using ethylene as precursor. <i>Applied Surface Science</i> , 2009, 256, 194-201.	3.1	5