

Michael J Antal

List of Publications by Year in descending order

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16
papers

1,879
citations

567281

15
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

2263
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochar Properties Influencing Greenhouse Gas Emissions in Tropical Soils Differing in Texture and Mineralogy. <i>Journal of Environmental Quality</i> , 2016, 45, 1509-1519.	2.0	18
2	Combustion Characteristics of Biomass Charcoals Produced at Different Carbonization Conditions: A Kinetic Study. <i>Energy & Fuels</i> , 2016, 30, 3186-3197.	5.1	15
3	Biochar characteristics and application rates affecting corn growth and properties of soils contrasting in texture and mineralogy. <i>Geoderma</i> , 2015, 237-238, 105-116.	5.1	195
4	Charcoal Volatile Matter Content Influences Plant Growth and Soil Nitrogen Transformations. <i>Soil Science Society of America Journal</i> , 2010, 74, 1259-1270.	2.2	352
5	Combustion Kinetics of Corncob Charcoal and Partially Demineralized Corncob Charcoal in the Kinetic Regime. <i>Industrial & Engineering Chemistry Research</i> , 2006, 45, 4962-4970.	3.7	49
6	High-speed separation of carboxylic acids by co-electroosmotic capillary electrophoresis with direct and indirect UV detection. <i>Journal of Chromatography A</i> , 1997, 758, 263-276.	3.7	70
7	Conversion of lignocellulosics pretreated with liquid hot water to ethanol. <i>Applied Biochemistry and Biotechnology</i> , 1996, 57-58, 157-170.	2.9	129
8	Kinetics of the thermal decomposition of cellulose under the experimental conditions of thermal analysis. Theoretical extrapolations to high heating rates. <i>Biomass and Bioenergy</i> , 1994, 7, 69-74.	5.7	39
9	Productive and parasitic pathways in dilute acid-catalyzed hydrolysis of cellulose. <i>Industrial & Engineering Chemistry Research</i> , 1992, 31, 94-100.	3.7	216
10	Mechanism and kinetics of the acid-catalyzed dehydration of ethanol in supercritical water. <i>Journal of Supercritical Fluids</i> , 1990, 3, 228-232.	3.2	43
11	Kinetics of the thermal decomposition of cellulose, hemicellulose, and sugarcane bagasse. <i>Energy & Fuels</i> , 1989, 3, 329-335.	5.1	289
12	Cellulose pyrolysis kinetics in a simulated solar environment. <i>Industrial & Engineering Chemistry Research</i> , 1989, 28, 856-865.	3.7	29
13	Simultaneous thermogravimetric-mass spectrometric studies of the thermal decomposition of biopolymers. 1. Avicel cellulose in the presence and absence of catalysts. <i>Energy & Fuels</i> , 1988, 2, 267-272.	5.1	148
14	Kinetics and mechanism of the vapor phase pyrolysis of 1,3-dioxolane in steam. <i>Journal of Analytical and Applied Pyrolysis</i> , 1987, 12, 223-242.	5.5	18
15	Effects of pressure on biomass pyrolysis. I. Cellulose pyrolysis products. <i>Thermochemica Acta</i> , 1983, 68, 155-164.	2.7	73
16	Effects of pressure on biomass pyrolysis. II. Heats of reaction of cellulose pyrolysis. <i>Thermochemica Acta</i> , 1983, 68, 165-186.	2.7	196