

Antonio Galgano

List of Publications by Year in descending order

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papers

941
citations

566801

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713013

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docs citations

21
times ranked

932
citing authors

#	ARTICLE	IF	CITATIONS
1	Influences of the Chemical State of Alkaline Compounds and the Nature of Alkali Metal on Wood Pyrolysis. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 3359-3369.	1.8	118
2	Modeling Wood Degradation by the Unreacted-Core-Shrinking Approximation. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 2101-2111.	1.8	85
3	Modeling the propagation of drying and decomposition fronts in wood. <i>Combustion and Flame</i> , 2004, 139, 16-27.	2.8	74
4	Products and Global Weight Loss Rates of Wood Decomposition Catalyzed by Zinc Chloride. <i>Energy & Fuels</i> , 2008, 22, 663-670.	2.5	72
5	Effects of Potassium Hydroxide Impregnation on Wood Pyrolysis. <i>Energy & Fuels</i> , 2009, 23, 1045-1054.	2.5	69
6	Flame retarding of wood by impregnation with boric acid – Pyrolysis products and char oxidation rates. <i>Polymer Degradation and Stability</i> , 2007, 92, 752-764.	2.7	67
7	Thermal and catalytic decomposition of wood impregnated with sulfur- and phosphorus-containing ammonium salts. <i>Polymer Degradation and Stability</i> , 2008, 93, 335-346.	2.7	66
8	Effects of Diammonium Phosphate on the Yields and Composition of Products from Wood Pyrolysis. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 430-438.	1.8	65
9	H ₂ SO ₄ -Catalyzed Pyrolysis of Corncobs. <i>Energy & Fuels</i> , 2011, 25, 359-369.	2.5	65
10	Numerical simulation of the electromagnetic field and the heat and mass transfer processes during microwave-induced pyrolysis of a wood block. <i>Chemical Engineering Science</i> , 2010, 65, 4117-4133.	1.9	44
11	On the Experimental Evidence of Exothermicity in Wood and Biomass Pyrolysis. <i>Energy Technology</i> , 2017, 5, 19-29.	1.8	41
12	Experimental Validation of a Coupled Solid- and Gas-Phase Model for Combustion and Gasification of Wood Logs. <i>Energy & Fuels</i> , 2006, 20, 2223-2232.	2.5	38
13	A model of the dynamics of a fluidized bed combustor burning biomass. <i>Combustion and Flame</i> , 2005, 140, 371-384.	2.8	24
14	Thermal and kinetic characterization of a toughened epoxy resin reinforced with carbon fibers. <i>Thermochimica Acta</i> , 2011, 517, 53-62.	1.2	24
15	Thermal response to fire of a fibre-reinforced sandwich panel: Model formulation, selection of intrinsic properties and experimental validation. <i>Polymer Degradation and Stability</i> , 2009, 94, 1267-1280.	2.7	22
16	Sensitivity analysis of a predictive model for the fire behaviour of a sandwich panel. <i>Polymer Degradation and Stability</i> , 2010, 95, 2430-2444.	2.7	15
17	INFINITE- VERSUS FINITE-RATE KINETICS IN SIMPLIFIED MODELS OF WOOD PYROLYSIS. <i>Combustion Science and Technology</i> , 2005, 177, 279-303.	1.2	14
18	Coupling a CFD code with a solid-phase combustion model. <i>Progress in Computational Fluid Dynamics</i> , 2006, 6, 287.	0.1	12

#	ARTICLE	IF	CITATIONS
19	Numerical simulation of the glowing combustion of moist wood by means of a front-based model. <i>Fire and Materials</i> , 2014, 38, 639-658.	0.9	9
20	Modeling particle population balances in fluidized-bed wood gasifiers. <i>Biomass and Bioenergy</i> , 2014, 62, 123-137.	2.9	9
21	Oxidation of a carbon/glass reinforced cyanate ester composite. <i>Polymer Degradation and Stability</i> , 2009, 94, 1962-1971.	2.7	8