Quanbing Luo

List of Publications by Year
in descending order

18 papers	166 citations	6 h-index

1478505

1125743

13 g-index	

18 all docs	18 docs citations	18 times ranked	136 citing authors

#	ARTICLE	IF	CITATIONS
1	The Thermal Properties of Nitrocellulose: From Thermal Decomposition to Thermal Explosion. Combustion Science and Technology, 2018, 190, 579-590.	2.3	48
2	Experimental investigation of compartment fires with circular opening: From the aspects of internal temperature and facade flame. Combustion and Flame, 2020, 213, 107-116.	5.2	37
3	Evaluation of self-heating and spontaneous combustion risk of biomass and fishmeal with thermal analysis (DSC-TG) and self-heating substances test experiments. Thermochimica Acta, 2016, 635, 1-7.	2.7	28
4	The influence of soluble components on spontaneous combustion risk of sawdust samples. Thermochimica Acta, 2018, 670, 219-225.	2.7	11
5	A study on the thermal decomposition temperature (TDT) and critical ambient temperature (CAT) of cotton. Journal of Thermal Analysis and Calorimetry, 2017, 128, 1617-1625.	3.6	10
6	Numerical Calculation of the Critical Parameters of Frank-Kamenetskii Equation in Spontaneous Combustion Theory. Numerical Heat Transfer, Part B: Fundamentals, 2015, 68, 403-417.	0.9	8
7	Comparison of six ester components in nitrocellulose lacquer thinner from the aspects of dissolution rates, explosion characteristics and environmental influence. Progress in Organic Coatings, 2020, 139, 105426.	3.9	6
8	Discretized pressure Poisson algorithm for the steady incompressible flow on a nonstaggered grid. Numerical Heat Transfer, Part B: Fundamentals, 2017, 71, 549-559.	0.9	4
9	Comparison of thermal hazards of sodium dithionite and thiourea dioxide from thermal analysis (DSC-TG), small-scale self-heating experiments and FTIR smoke gas analysis. Fire Safety Journal, 2017, 92, 91-97.	3.1	3
10	The spontaneous combustion mechanism of sawdust from the aspect of biochemical components. Cellulose, 2019, 26, 9045-9055.	4.9	3
11	Automatic Delaunay mesh generation method and physically-based mesh optimization method on two-dimensional regions. Engineering With Computers, 2022, 38, 1021-1031.	6.1	3
12	Indirect Method of the Critical Parameters of Frank-Kamenetskii Equations in Spontaneous Combustion Theory. Procedia Engineering, 2016, 135, 551-554.	1.2	2
13	Discretized pressure Poisson algorithm for steady incompressible flow on two-dimensional triangular unstructured grids. European Journal of Mechanics, B/Fluids, 2020, 80, 187-194.	2.5	2
14	Numerical Methods in Spontaneous Combustion with the Help of MATLAB. Procedia Engineering, 2013, 52, 245-253.	1.2	1
15	An Easy Method to Get Criterial Values of Frank-Kamenetskii Parameter for Infinite Plane Slab and Infinite Cylinder. , 2014, , .		0
16	The Introduction of Criteria Parameter in Spontaneous Combustion Problem. Procedia Engineering, 2014, 71, 446-453.	1.2	0
17	Combined Effect of Two Approximations to Critical Parameters in the Spontaneous Combustion of Cellulosic Materials. Procedia Engineering, 2016, 135, 180-188.	1.2	0
18	CALCULATION OF CRITICAL PARAMETERS FORÂSPONTANEOUS COMBUSTION FOR SOME COMPLEXÂGEOMETRIES USING AN INDIRECT NUMERICALÂMETHOD. ANZIAM Journal, 2018, 59, 402-412.	0.2	0