

Zoubir Acem

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1055999/publications.pdf>

Version: 2024-02-01

31
papers

765
citations

516710

16
h-index

526287

27
g-index

31
all docs

31
docs citations

31
times ranked

527
citing authors

#	ARTICLE	IF	CITATIONS
1	KNO ₃ /NaNO ₃ “ Graphite materials for thermal energy storage at high temperature: Part I. “ Elaboration methods and thermal properties. Applied Thermal Engineering, 2010, 30, 1580-1585.	6.0	134
2	KNO ₃ /NaNO ₃ “ Graphite materials for thermal energy storage at high temperature: Part II. “ Phase transition properties. Applied Thermal Engineering, 2010, 30, 1586-1593.	6.0	82
3	On the emission of radiation by flames and corresponding absorption by vegetation in forest fires. Fire Safety Journal, 2011, 46, 21-26.	3.1	53
4	Spectral emission of flames from laboratory-scale vegetation fires. International Journal of Wildland Fire, 2009, 18, 875.	2.4	50
5	Measurement of infrared radiation emitted by the flame of a vegetation fire. International Journal of Thermal Sciences, 2010, 49, 555-562.	4.9	46
6	Experimental study in the infrared of the radiative properties of pine needles. Experimental Thermal and Fluid Science, 2010, 34, 893-899.	2.7	39
7	Optical and radiative properties of clear PMMA samples exposed to a radiant heat flux. International Journal of Thermal Sciences, 2014, 82, 1-8.	4.9	37
8	Steady and transient pyrolysis of thick clear PMMA slabs. Combustion and Flame, 2015, 162, 226-236.	5.2	37
9	A quadrupolar complete model of the hot disc. Measurement Science and Technology, 2007, 18, 1229-1234.	2.6	30
10	Radiation emission from a heating coil or a halogen lamp on a semitransparent sample. International Journal of Thermal Sciences, 2014, 77, 223-232.	4.9	28
11	Experimental study of radiative heat transfer in a translucent fuel sample exposed to different spectral sources. International Journal of Heat and Mass Transfer, 2013, 61, 742-748.	4.8	27
12	Characterization of the radiative exchanges when using a cone calorimeter for the study of the plywood pyrolysis. Fire Safety Journal, 2012, 51, 53-60.	3.1	26
13	On the Influence of the Sample Absorptivity when Studying the Thermal Degradation of Materials. Materials, 2015, 8, 5398-5413.	2.9	22
14	Transient hot plate method with two temperature measurements for thermal characterization of metals. Measurement Science and Technology, 2006, 17, 69-74.	2.6	21
15	Experimental Investigation of Radiation Emitted by Optically Thin to Optically Thick Wildland Flames. Journal of Combustion, 2011, 2011, 1-8.	1.0	21
16	Upward vs downward injection of droplets for the optimization of a radiative shield. International Journal of Heat and Mass Transfer, 2011, 54, 1689-1697.	4.8	18
17	Experimental tools applied to ignition study of spruce wood under cone calorimeter. Fire Safety Journal, 2019, 108, 102845.	3.1	15
18	In-depth wood temperature measurement using embedded thin wire thermocouples in cone calorimeter tests. International Journal of Thermal Sciences, 2021, 162, 106686.	4.9	14

#	ARTICLE	IF	CITATIONS
19	Surface temperature of carbon composite samples during thermal degradation. International Journal of Thermal Sciences, 2017, 112, 427-438.	4.9	13
20	Study on visible-IR radiative properties of personal protective clothings for firefighting. Fire Safety Journal, 2015, 71, 9-19.	3.1	10
21	Radiative flux emitted by a burning PMMA slab. Journal of Physics: Conference Series, 2012, 395, 012153.	0.4	8
22	Analytical determination and numerical computation of extinction coefficients for vegetation with given leaf distribution. International Journal of Thermal Sciences, 2009, 48, 1501-1509.	4.9	7
23	Determination of Woody Fuel Flame Properties by Means of Emission Spectroscopy Using a Genetic Algorithm. Combustion Science and Technology, 2013, 185, 579-599.	2.3	7
24	Study of wood self-extinguishment with a double sliding cone calorimeter. Fire Safety Journal, 2021, 122, 103316.	3.1	6
25	Experimental and numerical multi-scale study of spruce wood degradation under inert atmosphere. Fire Safety Journal, 2022, 130, 103598.	3.1	6
26	Radiative shielding by water mist : comparisons between downward, upward and impacting injection of droplets. Journal of Physics: Conference Series, 2012, 369, 012027.	0.4	3
27	Effect of a coupled thermomechanical loading on the residual mechanical strength and on the surface temperature of wound carbon/epoxy composite. Journal of Composite Materials, 2017, 51, 3137-3147.	2.4	2
28	A hybrid small-world network/semi-physical model for predicting wildfire spread in heterogeneous landscapes. Journal of Physics: Conference Series, 2012, 395, 012008.	0.4	1
29	Experimental and numerical study of interactions between sprinklers and natural smoke vents. Fire and Materials, 2018, 42, 247-254.	2.0	1
30	Vegetation fire spread database: 85 wood wool shaving experiments at laboratory scale. Fire Safety Journal, 2019, 109, 102870.	3.1	1
31	Experimental tools applied to the ignition study of spruce wood under cone calorimeter. Journal of Physics: Conference Series, 2018, 1107, 032022.	0.4	0