

Claire Longuet

List of Publications by Year in descending order

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39
papers

1,181
citations

471509

17
h-index

377865

34
g-index

41
all docs

41
docs citations

41
times ranked

1232
citing authors

#	ARTICLE	IF	CITATIONS
1	Flame retardancy of silicone-based materials. <i>Polymer Degradation and Stability</i> , 2009, 94, 465-495.	5.8	434
2	Thermal degradation and fire behaviour of unsaturated polyesters filled with metallic oxides. <i>Polymer Degradation and Stability</i> , 2011, 96, 67-75.	5.8	93
3	Calcium and aluminium-based fillers as flame-retardant additives in silicone matrices. I. Blend preparation and thermal properties. <i>Polymer Degradation and Stability</i> , 2010, 95, 1911-1919.	5.8	77
4	Combining cone calorimeter and PCFC to determine the mode of action of flame-retardant additives. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1091-1099.	3.2	58
5	Fire retardant benefits of combining aluminum hydroxide and silica in ethylene-vinyl acetate copolymer (EVA). <i>Polymer Degradation and Stability</i> , 2016, 128, 228-236.	5.8	42
6	Calcium and aluminium-based fillers as flame-retardant additives in silicone matrices II. Analyses on composite residues from an industrial-based pyrolysis test. <i>Polymer Degradation and Stability</i> , 2011, 96, 1562-1572.	5.8	35
7	Aerosols emitted by the combustion of polymers containing nanoparticles. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	1.9	33
8	Behavior and Fate of Halloysite Nanotubes (HNTs) When Incinerating PA6/HNTs Nanocomposite. <i>Environmental Science & Technology</i> , 2015, 49, 5450-5457.	10.0	31
9	Polycarbonate nanocomposite with improved fire behavior, physical and psychophysical transparency. <i>European Polymer Journal</i> , 2013, 49, 319-327.	5.4	30
10	Calcium and aluminum-based fillers as flame-retardant additives in silicone matrices. III. Investigations on fire reaction. <i>Polymer Degradation and Stability</i> , 2013, 98, 2021-2032.	5.8	29
11	Combination effect of polyhedral oligomeric silsesquioxane (POSS) and a phosphorus modified PMMA, flammability and thermal stability properties. <i>Materials Chemistry and Physics</i> , 2012, 136, 762-770.	4.0	28
12	Theoretical and empirical approaches to understanding the effect of phosphonate groups on the thermal degradation for two chemically modified PMMA. <i>European Polymer Journal</i> , 2012, 48, 604-612.	5.4	28
13	Copolycondensation of Regular Functional Silane and Siloxane in Aqueous Emulsion Using $B(C_6F_5)_3$ as a Catalyst. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 1883-1892.	2.2	27
14	Influence of a treated kaolinite on the thermal degradation and flame retardancy of poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2	3.2	19
15	Thermal degradation and fire behavior of thermoset resins modified with phosphorus containing styrene. <i>Polymer Degradation and Stability</i> , 2012, 97, 2602-2610.	5.8	19
16	Effect of aminobisphosphonated copolymer on the thermal stability and flammability of poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.1	19
17	FTIR-PCFC coupling: A new method for studying the combustion of polymers. <i>Combustion and Flame</i> , 2014, 161, 1398-1407.	5.2	19
18	Influence of carbon nanotubes on fire behaviour and aerosol emitted during combustion of thermoplastics. <i>Fire and Materials</i> , 2014, 38, 46-62.	2.0	17

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19	Barrier effect of flame retardant systems in poly(methyl methacrylate): Study of the efficiency of the surface treatment by octylsilane of silica nanoparticles in combination with phosphorous fire retardant additives. <i>Fire and Materials</i> , 2012, 36, 590-602.	2.0	16
20	Correlation between process and silica dispersion/distribution into composite: Impact on mechanical properties and Weibull statistical analysis. <i>Polymer Testing</i> , 2018, 70, 92-101.	4.8	14
21	Physical, morphological and chemical modification of Al-based nanofillers in by-products of incinerated nanocomposites and related biological outcome. <i>Journal of Hazardous Materials</i> , 2019, 365, 405-412.	12.4	14
22	Evaluation of nanosilica emission in polydimethylsiloxane composite during incineration. <i>Journal of Hazardous Materials</i> , 2019, 371, 415-422.	12.4	12
23	Comparison of Surface and Bulk Properties of Pendant and Hybrid Fluorosilicones. <i>Advances in Silicon Science</i> , 2012, , 115-178.	0.6	11
24	End-of-life incineration of nanocomposites: new insights into nanofiller partitioning into by-products and biological outcomes of airborne emission and residual ash. <i>Environmental Science: Nano</i> , 2018, 5, 1951-1964.	4.3	9
25	Dispersion control of raw and modified silica particles in PMMA. Impact on mechanical properties, from experiments to modelling. <i>Composites Part B: Engineering</i> , 2019, 157, 163-172.	12.0	9
26	Chemical treatments of flax fibers – Control of the diffusion of molecules into the fiber structure. <i>Industrial Crops and Products</i> , 2019, 132, 430-439.	5.2	8
27	Experimental and numerical thermo-mechanical analysis of the influence of thermoplastic slabs installation on the assessment of their fire hazard. <i>Fire Safety Journal</i> , 2019, 108, 102850.	3.1	7
28	Physically crosslinked fluorosilicone elastomers obtained by self-assembly and template polycondensation of tailored building blocks. <i>Journal of Materials Chemistry</i> , 2010, 20, 10269.	6.7	6
29	Influence of Density on Foam Collapse under Burning. <i>Polymers</i> , 2021, 13, 13.	4.5	6
30	Oligomer model to explain the coloration of TEA and discoloration catalytic treatment. <i>Journal of Molecular Catalysis A</i> , 2005, 234, 59-62.	4.8	5
31	Influence of the composition of PMMA nanocomposites on gaseous effluents emitted during combustion. <i>Polymer Degradation and Stability</i> , 2015, 113, 197-207.	5.8	5
32	Thermal disposal of waste containing nanomaterials: first investigations on a methodology for risk management. <i>Journal of Physics: Conference Series</i> , 2017, 838, 012024.	0.4	4
33	Method to characterize the fire behavior of materials assemblies. <i>Fire and Materials</i> , 2018, 42, 627-637.	2.0	4
34	Thermal degradation, flammability, and potential toxicity of polymer nanocomposites. , 2014, , 278-310.		3
35	Cationic Polymerization of Hexamethylcyclotrisiloxane in Excess Water. <i>Molecules</i> , 2021, 26, 4402.	3.8	3
36	The NANOFEU project: Objectives and tools. <i>Journal of Physics: Conference Series</i> , 2009, 170, 012034.	0.4	2

#	ARTICLE	IF	CITATIONS
37	Thermal degradation, flammability, and potential toxicity of polymer nanocomposites. , 2021, , 343-373.		1
38	Silicone-recycled pyrolyzed fillers for enhanced thermal - and flame - resistant silicone elastomers. Polymer Degradation and Stability, 2022, 200, 109947.	5.8	1
39	Assessment of event based surveillance in cross border areas in South East Europe. International Journal of Infectious Diseases, 2019, 79, 34.	3.3	0