

Zhou Lu

List of Publications by Year in descending order

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papers

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348
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#	ARTICLE	IF	CITATIONS
1	Comparison of differences in the flame retardancy of cotton fabrics caused by the introduction of cyclic polysiloxane into P/N organic coatings. <i>New Journal of Chemistry</i> , 2021, 45, 17131-17142.	2.8	3
2	A novel P/N-based flame retardant synthesized by one-step method toward cotton materials and its flame-retardant mechanism. <i>Cellulose</i> , 2021, 28, 3249-3264.	4.9	25
3	Preparation, characterization and testing of flame retardant cotton cellulose material: flame retardancy, thermal stability and flame-retardant mechanism. <i>Cellulose</i> , 2021, 28, 3789-3805.	4.9	31
4	Preparation of synergistic silicon, phosphorus and nitrogen flame retardant based on cyclosiloxane and its application to cotton fabric. <i>Cellulose</i> , 2021, 28, 8115-8128.	4.9	18
5	Preparation of a novel P/Si polymer and its synergistic flame retardant application on cotton fabric. <i>Cellulose</i> , 2021, 28, 8735-8749.	4.9	15
6	Synthesis of a novel synergistic flame retardant based on cyclopolysiloxane and its flame retardant coating on cotton fabric. <i>Cellulose</i> , 2021, 28, 9505-9523.	4.9	18
7	A novel polydimethylsiloxane comb-shaped copolymer containing P&N elements toward cotton fabrics: flame retardancy and antibacterial property. <i>Cellulose</i> , 2021, 28, 11595-11608.	4.9	6
8	Preparation of a synergistic reactive flame retardant based on silicon, phosphorus and nitrogen and its application to cotton fabrics. <i>Cellulose</i> , 2020, 27, 1799-1815.	4.9	49
9	Synthetic novel, convenient and eco-friendly Si/P/N synergistic treatment agent to improve the flame retardancy and thermal stability of cotton fabrics. <i>Cellulose</i> , 2020, 27, 10473-10487.	4.9	17
10	Durable flame retardant cotton fabrics modified with a novel silicon-phosphorus-nitrogen synergistic flame retardant. <i>Cellulose</i> , 2020, 27, 9027-9043.	4.9	78
11	Multifunctional antimicrobial and flame retardant cotton fabrics modified with a novel N,N-di(ethyl) Tj ETQq1 1 0.784314 rgBT/Overlo	4.9	26
12	Preparation of a novel flame retardant containing triazine groups and its application on cotton fabrics. <i>New Journal of Chemistry</i> , 2020, 44, 7386-7394.	2.8	23
13	Synthesis of a Novel N-halamine-based Cyclic Polysiloxane and Its Antibacterial Application on Cotton Fabrics. <i>Fibers and Polymers</i> , 2020, 21, 273-281.	2.1	8
14	Multifunctional flame-retarded and hydrophobic cotton fabrics modified with a cyclic phosphorus/polysiloxane copolymer. <i>Cellulose</i> , 2020, 27, 3531-3549.	4.9	63
15	Multifunctional Antibacterial and Hydrophobic Cotton Fabrics Treated with Cyclic Polysiloxane Quaternary Ammonium Salt. <i>Fibers and Polymers</i> , 2019, 20, 1368-1374.	2.1	24
16	A Novel Cyclic Polysiloxane Linked by Guanidyl Groups Used as Flame Retardant and Antimicrobial Agent on Cotton Fabrics. <i>Fibers and Polymers</i> , 2019, 20, 1340-1346.	2.1	12
17	Synthesis of a Novel Linear $\hat{\pm}$, $\hat{\%}$ -Di (Chloro Phosphoramidate) Polydimethylsiloxane and Its Applications in Improving Flame-Retardant and Water-Repellent Properties of Cotton Fabrics. <i>Polymers</i> , 2019, 11, 1829.	4.5	22
18	Length evolution of fused-ring electron acceptors toward optimal blend morphology in polymer solar cells incorporating asymmetric benzodithiophene-based donors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4823-4828.	10.3	18

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19	A novel cyclic copolymer containing Si/P/N used as flame retardant and water repellent agent on cotton fabrics. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47280.	2.6	34
20	Preparation and flame retardancy of reactive flame retardant for cotton fabric. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 132, 1771-1781.	3.6	41
21	Preparation and properties of cotton fabrics treated with a novel antimicrobial and flame retardant containing triazine and phosphorus components. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018, 131, 1079-1087.	3.6	36
22	Multifunctional, Hydrophobic and Flame-retarded Cotton Fabrics Modified with Liner Piperazine/Phosphorous/Polysiloxane Copolymer. <i>Fibers and Polymers</i> , 2018, 19, 861-867.	2.1	18
23	Preparation of linear piperazine/phosphorous/polysiloxane copolymer and its application on cotton fabrics. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 1997-2005.	3.6	22
24	Combustion behaviors of cotton fabrics treated by a novel nitrogen- and phosphorus-containing polysiloxane flame retardant. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 123, 535-544.	3.6	53
25	Combustion behaviors of cotton fabrics treated by a novel guanidyl- and phosphorus-containing polysiloxane flame retardant. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 349-357.	3.6	33
26	Two new entangled complexes based on 4,4'-bis(1-imidazolyl)biphenyl: syntheses, structures, thermal and photoluminescent properties. <i>Journal of Coordination Chemistry</i> , 2014, 67, 3463-3472.	2.2	4
27	Preparation, hybrid formation with single-walled carbon nanotube, and film morphology of pyrene-containing polysiloxanes. <i>Composite Interfaces</i> , 2012, 19, 573-581.	2.3	2