Zhou Lu

List of Publications by Year
in descending order

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27	699	471509 17	552781 26
papers	citations	h-index	g-index

27	27	27	348
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Durable flame retardant cotton fabrics modified with a novel siliconâ€“phosphorusâ€“nitrogen synergistic flame retardant. Cellulose, 2020, 27, 9027-9043.	4.9	78
2	Multifunctional flame-retarded and hydrophobic cotton fabrics modified with a cyclic phosphorus/polysiloxane copolymer. Cellulose, 2020, 27, 3531-3549.	4.9	63
3	Combustion behaviors of cotton fabrics treated by a novel nitrogen- and phosphorus-containing polysiloxane flame retardant. Journal of Thermal Analysis and Calorimetry, 2016, 123, 535-544.	3.6	53
4	Preparation of a synergistic reactive flame retardant based on silicon, phosphorus and nitrogen and its application to cotton fabrics. Cellulose, 2020, 27, 1799-1815.	4.9	49
5	Preparation and flame retardancy of reactive flame retardant for cotton fabric. Journal of Thermal Analysis and Calorimetry, 2018, 132, 1771-1781.	3.6	41
6	Preparation and properties of cotton fabrics treated with a novel antimicrobial and flame retardant containing triazine and phosphorus components. Journal of Thermal Analysis and Calorimetry, 2018, 131, 1079-1087.	3.6	36
7	A novel cyclic copolymer containing Si/P/N used as flame retardant and water repellent agent on cotton fabrics. Journal of Applied Polymer Science, 2019, 136, 47280.	2.6	34
8	Combustion behaviors of cotton fabrics treated by a novel guanidyl- and phosphorus-containing polysiloxane flame retardant. Journal of Thermal Analysis and Calorimetry, 2015, 119, 349-357.	3.6	33
9	Preparation, characterization and testing of flame retardant cotton cellulose material: flame retardancy, thermal stability and flame-retardant mechanism. Cellulose, 2021, 28, 3789-3805.	4.9	31
10	Multifunctional antimicrobial and flame retardant cotton fabrics modified with a novel N,N-di(ethyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.9	26
11	A novel P/N-based flame retardant synthesized by one-step method toward cotton materials and its flame-retardant mechanism. Cellulose, 2021, 28, 3249-3264.	4.9	25
12	Multifunctional Antibacterial and Hydrophobic Cotton Fabrics Treated with Cyclic Polysiloxane Quaternary Ammonium Salt. Fibers and Polymers, 2019, 20, 1368-1374.	2.1	24
13	Preparation of a novel flame retardant containing triazine groups and its application on cotton fabrics. New Journal of Chemistry, 2020, 44, 7386-7394.	2.8	23
14	Preparation of linear piperazine/phosphorous/polysiloxane copolymer and its application on cotton fabrics. Journal of Thermal Analysis and Calorimetry, 2017, 130, 1997-2005.	3.6	22
15	Synthesis of a Novel Linear Î±, Ï‰-Di (Chloro Phosphoramide) Polydimethylsiloxane and Its Applications in Improving Flame-Retardant and Water-Repellent Properties of Cotton Fabrics. Polymers, 2019, 11, 1829.	4.5	22
16	Multifunctional, Hydrophobic and Flame-retarded Cotton Fabrics Modified with Liner Piperzine/Phosphorous/Polysiloxane Copolymer. Fibers and Polymers, 2018, 19, 861-867.	2.1	18
17	Length evolution of fused-ring electron acceptors toward optimal blend morphology in polymer solar cells incorporating asymmetric benzodithiophene-based donors. Journal of Materials Chemistry A, 2019, 7, 4823-4828.	10.3	18
18	Preparation of synergistic silicon, phosphorus and nitrogen flame retardant based on cyclosiloxane and its application to cotton fabric. Cellulose, 2021, 28, 8115-8128.	4.9	18

#	Article	IF	Citations
19	Synthesis of a novel synergistic flame retardant based on cyclopolysiloxane and its flame retardant coating on cotton fabric. Cellulose, 2021, 28, 9505-9523.	4.9	18
20	Synthetic novel, convenient and eco-friendly Si/P/N synergistic treatment agent to improve the flame retardancy and thermal stability of cotton fabrics. Cellulose, 2020, 27, 10473-10487.	4.9	17
21	Preparation of a novel P/Si polymer and its synergistic flame retardant application on cotton fabric. Cellulose, 2021, 28, 8735-8749.	4.9	15
22	A Novel Cyclic Polysiloxane Linked by Guanidyl Groups Used as Flame Retardant and Antimicrobial Agent on Cotton Fabrics. Fibers and Polymers, 2019, 20, 1340-1346.	2.1	12
23	Synthesis of a Novel N-halamine-based Cyclic Polysiloxane and Its Antibacterial Application on Cotton Fabrics. Fibers and Polymers, 2020, 21, 273-281.	2.1	8
24	A novel polydimethylsiloxane comb-shaped copolymer containing Pâ€“N elements toward cotton fabrics: flame retardancy and antibacterial property. Cellulose, 2021, 28, 11595-11608.	4.9	6
25	Two new entangled complexes based on 4,4â€²-bis(1-imidazolyl)biphenyl: syntheses, structures, thermal and photoluminescent properties. Journal of Coordination Chemistry, 2014, 67, 3463-3472.	2.2	4
26	Comparison of differences in the flame retardancy of cotton fabrics caused by the introduction of cyclic polysiloxane into P/N organic coatings. New Journal of Chemistry, 2021, 45, 17131-17142.	2.8	3
27	Preparation, hybrid formation with single-walled carbon nanotube, and film morphology of pyrene-containing polysiloxanes. Composite Interfaces, 2012, 19, 573-581.	2.3	2