Longxiang Liu

List of Publications by Year
in descending order

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20	1,524	394421 19	752698 20
papers	citations	h-index	g-index

20	20	20	1090
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Eco-friendly flame retardant and electromagnetic interference shielding cotton fabrics with multi-layered coatings. Chemical Engineering Journal, 2019, 372, 1077-1090.	12.7	251
2	Construction of multifunctional MoSe2 hybrid towards the simultaneous improvements in fire safety and mechanical property of polymer. Journal of Hazardous Materials, 2018, 352, 36-46.	12.4	177
3	DOPO-Modified Two-Dimensional Co-Based Metalâ€“Organic Framework: Preparation and Application for Enhancing Fire Safety of Poly(lactic acid). ACS Applied Materials & Interfaces, 2018, 10, 8274-8286.	8.0	146
4	Flame-Retardant Textile-Based Triboelectric Nanogenerators for Fire Protection Applications. ACS Nano, 2020, 14, 15853-15863.	14.6	133
5	Influences of metal ions crosslinked alginate based coatings on thermal stability and fire resistance of cotton fabrics. Carbohydrate Polymers, 2017, 170, 133-139.	10.2	75
6	Finishing of cotton fabrics by multi-layered coatings to improve their flame retardancy and water repellency. Cellulose, 2018, 25, 4791-4803.	4.9	74
7	Effect of layer-by-layer self-assembled sepiolite-based nanocoating on flame retardant and smoke suppressant properties of flexible polyurethane foam. Applied Clay Science, 2019, 168, 230-236.	5.2	70
8	Hypophosphorous acid cross-linked layer-by-layer assembly of green polyelectrolytes on polyester-cotton blend fabrics for durable flame-retardant treatment. Carbohydrate Polymers, 2018, 201, 1-8.	10.2	69
9	Layer-by-Layer Assembly of Hypophosphorous Acid-Modified Chitosan Based Coating for Flame-Retardant Polyesterâ€“Cotton Blends. Industrial & Engineering Chemistry Research, 2017, 56, 9429-9436.	3.7	66
10	Hierarchical Structure: An effective Strategy to Enhance the Mechanical Performance and Fire Safety of Unsaturated Polyester Resin. ACS Applied Materials & Interfaces, 2019, 11, 29436-29447.	8.0	66
11	Construction of hierarchical MoS2@TiO2 structure for the high performance bimaleimide system with excellent fire safety and mechanical properties. Chemical Engineering Journal, 2019, 369, 451-462.	12.7	62
12	An operable platform towards functionalization of chemically inert boron nitride nanosheets for flame retardancy and toxic gas suppression of thermoplastic polyurethane. Composites Part B: Engineering, 2019, 178, 107462.	12.0	58
13	Facile Fabrication of Robust Hydrogen Evolution Electrodes under High Current Densities via Pt@Cu Interactions. Advanced Functional Materials, 2021, 31, 2105579.	14.9	45
14	Effect of genipin crosslinked layer-by-layer self-assembled coating on the thermal stability, flammability and wash durability of cotton fabric. Carbohydrate Polymers, 2019, 206, 396-402.	10.2	43
15	Durable flame retardant treatment of polyethylene terephthalate (PET) fabric with cross-linked layer-by-layer assembled coating. Polymer Degradation and Stability, 2019, 165, 145-152.	5.8	39
16	Nanosized bimetal-organic frameworks as robust coating for multi-functional flexible polyurethane foam: Rapid oil-absorption and excellent fire safety. Composites Science and Technology, 2019, 177, 66-72.	7.8	39
17	Comparable investigation of tervalent and pentavalent phosphorus based flame retardants on improving the safety and capacity of lithium-ion batteries. Journal of Power Sources, 2019, 420, 143-151.	7.8	39
18	Self-assembly of phosphonate-metal complex for superhydrophobic and durable flame-retardant polyesterâ€“cotton fabrics. Cellulose, 2020, 27, 6011-6025.	4.9	38

#	Article	IF	Citations
19	Recyclable flame retardant paper made from layer-by-layer assembly of zinc coordinated multi-layered coatings. Cellulose, 2018, 25, 5309-5321.	4.9	27
20	Reinforcement of layer-by-layer self-assembly coating modified cellulose nanofibers to reduce the flammability of polyvinyl alcohol. Cellulose, 2019, 26, 3183-3192.	4.9	7