

Longxiang Liu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

1,524
citations

394421

19
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1090
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile Fabrication of Robust Hydrogen Evolution Electrodes under High Current Densities via Pt@Cu Interactions. <i>Advanced Functional Materials</i> , 2021, 31, 2105579.	14.9	45
2	Flame-Retardant Textile-Based Triboelectric Nanogenerators for Fire Protection Applications. <i>ACS Nano</i> , 2020, 14, 15853-15863.	14.6	133
3	Self-assembly of phosphonate-metal complex for superhydrophobic and durable flame-retardant polyester-cotton fabrics. <i>Cellulose</i> , 2020, 27, 6011-6025.	4.9	38
4	Hierarchical Structure: An effective Strategy to Enhance the Mechanical Performance and Fire Safety of Unsaturated Polyester Resin. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 29436-29447.	8.0	66
5	An operable platform towards functionalization of chemically inert boron nitride nanosheets for flame retardancy and toxic gas suppression of thermoplastic polyurethane. <i>Composites Part B: Engineering</i> , 2019, 178, 107462.	12.0	58
6	Durable flame retardant treatment of polyethylene terephthalate (PET) fabric with cross-linked layer-by-layer assembled coating. <i>Polymer Degradation and Stability</i> , 2019, 165, 145-152.	5.8	39
7	Nanosized bimetal-organic frameworks as robust coating for multi-functional flexible polyurethane foam: Rapid oil-absorption and excellent fire safety. <i>Composites Science and Technology</i> , 2019, 177, 66-72.	7.8	39
8	Eco-friendly flame retardant and electromagnetic interference shielding cotton fabrics with multi-layered coatings. <i>Chemical Engineering Journal</i> , 2019, 372, 1077-1090.	12.7	251
9	Comparable investigation of trivalent and pentavalent phosphorus based flame retardants on improving the safety and capacity of lithium-ion batteries. <i>Journal of Power Sources</i> , 2019, 420, 143-151.	7.8	39
10	Reinforcement of layer-by-layer self-assembly coating modified cellulose nanofibers to reduce the flammability of polyvinyl alcohol. <i>Cellulose</i> , 2019, 26, 3183-3192.	4.9	7
11	Construction of hierarchical MoS ₂ @TiO ₂ structure for the high performance bimaleimide system with excellent fire safety and mechanical properties. <i>Chemical Engineering Journal</i> , 2019, 369, 451-462.	12.7	62
12	Effect of genipin crosslinked layer-by-layer self-assembled coating on the thermal stability, flammability and wash durability of cotton fabric. <i>Carbohydrate Polymers</i> , 2019, 206, 396-402.	10.2	43
13	Effect of layer-by-layer self-assembled sepiolite-based nanocoating on flame retardant and smoke suppressant properties of flexible polyurethane foam. <i>Applied Clay Science</i> , 2019, 168, 230-236.	5.2	70
14	DOPO-Modified Two-Dimensional Co-Based Metal-Organic Framework: Preparation and Application for Enhancing Fire Safety of Poly(lactic acid). <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8274-8286.	8.0	146
15	Construction of multifunctional MoSe ₂ hybrid towards the simultaneous improvements in fire safety and mechanical property of polymer. <i>Journal of Hazardous Materials</i> , 2018, 352, 36-46.	12.4	177
16	Finishing of cotton fabrics by multi-layered coatings to improve their flame retardancy and water repellency. <i>Cellulose</i> , 2018, 25, 4791-4803.	4.9	74
17	Recyclable flame retardant paper made from layer-by-layer assembly of zinc coordinated multi-layered coatings. <i>Cellulose</i> , 2018, 25, 5309-5321.	4.9	27
18	Hypophosphorous acid cross-linked layer-by-layer assembly of green polyelectrolytes on polyester-cotton blend fabrics for durable flame-retardant treatment. <i>Carbohydrate Polymers</i> , 2018, 201, 1-8.	10.2	69

#	ARTICLE	IF	CITATIONS
19	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
20	Layer-by-Layer Assembly of Hypophosphorous Acid-Modified Chitosan Based Coating for Flame-Retardant Polyester/Cotton Blends. Industrial & Engineering Chemistry Research, 2017, 56, 9429-9436.	3.7	66