Zhiyu Xia

List of Publications by Year in descending order

12 papers	465 citations	933264 10 h-index	1199470 12 g-index
13 all docs	13 docs citations	13 times ranked	487 citing authors

#	Article	IF	Citations
1	Facile microwave assisted flame retardant treatment for cotton fabric using a biobased industrial byproduct: phytic acid. Cellulose, 2021, 28, 10655-10674.	2.4	15
2	Bio-Based Flame-Retardant Coatings Based on the Synergistic Combination of Tannic Acid and Phytic Acid for Nylonâ€“Cotton Blends. ACS Applied Materials & Interfaces, 2021, 13, 61620-61628.	4.0	44
3	A Bio-derived Char Forming Flame Retardant Additive for Nylon 6 Based on Crosslinked Tannic Acid. Thermochimica Acta, 2020, 693, 178750.	1.2	16
4	Unusual role of labile phenolics in imparting flame resistance to polyamide. Polymer Degradation and Stability, 2020, 175, 109103.	2.7	7
5	Biocatalytic Synthesis of Fluorescent Conjugated Polyserotonin. Journal of Renewable Materials, 2019, 7, 205-214.	1.1	4
6	A reinforced thermal barrier coat of a Naâ€“tannic acid complex from the view of thermal kinetics. RSC Advances, 2019, 9, 10914-10926.	1.7	24
7	Fire resistant polyphenols based on chemical modification of bio-derived tannic acid. Polymer Degradation and Stability, 2018, 153, 227-243.	2.7	68
8	Intumescent flame-retardant cotton produced by tannic acid and sodium hydroxide. Journal of Analytical and Applied Pyrolysis, 2017, 126, 239-246.	2.6	67
9	Bioinspired flame retardant polymers of tyrosol. Journal of Applied Polymer Science, 2017, 134, 45394.	1.3	11
10	Textile Frequency Selective Surface. IEEE Microwave and Wireless Components Letters, 2017, 27, 989-991.	2.0	47
11	Unraveling the mechanism of thermal and thermo-oxidative degradation of tannic acid. Thermochimica Acta, 2015, 605, 77-85.	1.2	138
12	Thermally Stable Polymers of Cardanol as Char-Forming Additives for Polypropylene. Journal of Renewable Materials, 2013, 1, 289-301.	1.1	20