Matthew Blake Hillyer

List of Publications by Year
in descending order

13	236	1478505 6	1199594 12
papers	citations	h-index	g-index

14	14	14	384
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Silver Nanoparticle-Intercalated Cotton Fiber for Catalytic Degradation of Aqueous Organic Dyes for Water Pollution Mitigation. Nanomaterials, 2022, 12, 1621.	4.1	6
2	Thermosensitive textiles made from silver nanoparticle-filled brown cotton fibers. Nanoscale Advances, 2022, 4, 3725-3736.	4.6	4
3	Brown Cotton Fibers Self-Produce Ag Nanoparticles for Regenerating Their Antimicrobial Surfaces. ACS Applied Nano Materials, 2021, 4, 13112-13122.	5.0	7
4	Interior vs. Exterior Incorporation of Silver Nanoparticles in Cotton Fiber and Washing Durability. AATCC Journal of Research, 2021, 8, 1-12.	0.6	2
5	Method for identifying the triple transition (glass transition-dehydration-crystallization) of amorphous cellulose in cotton. Carbohydrate Polymers, 2020, 228, 115374.	10.2	23
6	Thermal properties and surface chemistry of cotton varieties mineralized with calcium carbonate polymorphs by cyclic dipping. RSC Advances, 2020, 10, 35214-35225.	3.6	3
7	Practical SERS method for assessment of the washing durability of textiles containing silver nanoparticles. Analytical Methods, 2020, 12, 1186-1196.	2.7	2
8	Silver Nanoparticle-Infused Cotton Fiber: Durability and Aqueous Release of Silver in Laundry Water. Journal of Agricultural and Food Chemistry, 2020, 68, 13231-13240.	5.2	16
9	Quantification and spatial resolution of silver nanoparticles in cotton textiles by surface-enhanced Raman spectroscopy (SERS). Journal of Nanoparticle Research, 2020, 22, 1.	1.9	12
10	A reinforced thermal barrier coat of a Naâ€“tannic acid complex from the view of thermal kinetics. RSC Advances, 2019, 9, 10914-10926.	3.6	24
11	Precision Switching in a Discrete Supramolecular Assembly: Alkali Metal Ionâ€Carboxylate Selectivities and the Cationic Hofmeister Effect. ChemPhysChem, 2018, 19, 2285-2289.	2.1	7
12	Molecular Shape and the Hydrophobic Effect. Annual Review of Physical Chemistry, 2016, 67, 307-329.	10.8	101
13	Synthesis of Water-Soluble Deep-Cavity Cavitands. Organic Letters, 2016, 18, 4048-4051.	4.6	29