

# Matthew Blake Hillyer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4292088/publications.pdf>

Version: 2024-02-01

13  
papers

236  
citations

1478505

6  
h-index

1199594

12  
g-index

14  
all docs

14  
docs citations

14  
times ranked

384  
citing authors

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