

# Peixin Tang

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

389  
citations

759233

12  
h-index

794594

19  
g-index

24  
all docs

24  
docs citations

24  
times ranked

380  
citing authors

#	ARTICLE	IF	CITATIONS
1	Daylight-Induced Antibacterial and Antiviral Cotton Cloth for Offensive Personal Protection. ACS Applied Materials & Interfaces, 2020, 12, 49442-49451.	8.0	62
2	Whiteness improvement of citric acid crosslinked cotton fabrics: H <sub>2</sub> O <sub>2</sub> bleaching under alkaline condition. Carbohydrate Polymers, 2016, 147, 139-145.	10.2	53
3	Catalytic actions of alkaline salts in reactions between 1,2,3,4-butanetetracarboxylic acid and cellulose: II. Esterification. Carbohydrate Polymers, 2015, 132, 228-236.	10.2	50
4	Catalytic and ionic cross-linking actions of l-glutamate salt for the modification of cellulose by 1,2,3,4-butanetetracarboxylic acid. Carbohydrate Polymers, 2019, 207, 288-296.	10.2	27
5	Generation of hydroxyl radicals and effective whitening of cotton fabrics by H <sub>2</sub> O <sub>2</sub> under UVB irradiation. Carbohydrate Polymers, 2017, 160, 153-162.	10.2	22
6	An environmentally friendly bleaching process for cotton fabrics: mechanism and application of UV/H <sub>2</sub> O <sub>2</sub> system. Cellulose, 2020, 27, 1071-1083.	4.9	18
7	Modification of cotton fabrics with 2-diethylaminoethyl chloride for salt-free dyeing with anionic dyes. Cellulose, 2021, 28, 6699.	4.9	17
8	Sensitivity-Tunable Colorimetric Detection of Chloropicrin Vapor on Nylon-6 Nanofibrous Membrane Based on a Detoxification Reaction with Biological Thiols. ACS Sensors, 2018, 3, 858-866.	7.8	16
9	Highly sensitive colorimetric paper sensor for methyl isothiocyanate (MITC): Using its toxicological reaction. Sensors and Actuators B: Chemical, 2018, 261, 178-187.	7.8	14
10	Design and Synthesis of Core-Shell Carbon Polymer Dots with Highly Stable Fluorescence in Polymeric Materials. ACS Applied Nano Materials, 2019, 2, 6503-6512.	5.0	14
11	Colorimetric Detection of Carcinogenic Alkylating Fumigants on Nylon-6 Nanofibrous Membrane. Part I: Investigation of 4-(4-Nitrobenzyl)pyridine as a New Sensing Agent with Ultrahigh Sensitivity. Analytical Chemistry, 2018, 90, 14593-14601.	6.5	13
12	Unique coposture of rose Bengal for fabricating personal protective equipment with enhanced daylight-induced biocidal efficiency. Materials Advances, 2021, 2, 3569-3578.	5.4	13
13	Colorimetric Detection of Carcinogenic Alkylating Fumigants on a Nylon 6 Nanofibrous Membrane. Part II: Self-Catalysis of 2-Diethylaminoethyl-Modified Sensor Matrix for Improvement of Sensitivity. ACS Applied Materials & Interfaces, 2019, 11, 13632-13641.	8.0	12
14	Hierarchical Nucleophilic Nanofibrous Membranes for Fast, Durable, and Bare-Eye Visible Detoxification of Carcinogenic Alkylating Toxicants. Advanced Functional Materials, 2019, 29, 1905990.	14.9	11
15	Wearable super-adsorptive fibrous equipment <i>in situ</i> grafted with porous organic polymers for carcinogenic fumigant defense and detoxification. Journal of Materials Chemistry A, 2020, 8, 24128-24136.	10.3	9
16	Bio-inspired ultrasensitive colorimetric detection of methyl isothiocyanate on nylon-6 nanofibrous membrane: A comparison of biological thiol reactivities. Journal of Hazardous Materials, 2019, 362, 375-382.	12.4	7
17	Research progress in chemical and biological protective materials with integrated conventional decontamination-and-sensing-functions. Materials Science and Engineering Reports, 2021, 145, 100626.	31.8	7
18	Daylight-activated fumigant detoxifying nanofibrous membrane based on thiol-ene click chemistry. Journal of Hazardous Materials, 2021, 406, 124723.	12.4	6

#	ARTICLE	IF	CITATIONS
19	Fabrication of robust functional poly-cationic nanodots on surfaces of nucleophilic nanofibrous membrane. Applied Surface Science, 2020, 528, 146587.	6.1	5
20	What We Are Learning from COVID-19 for Respiratory Protection: Contemporary and Emerging Issues. Polymers, 2021, 13, 4165.	4.5	5
21	Robust, rapid, and ultrasensitive colorimetric sensors through dye chemisorption on poly-cationic nanodots. Talanta, 2020, 219, 121149.	5.5	4
22	Stabilization of flavin mononucleotide by capturing its "tail" with porous organic polymers for long-term photocatalytic degradation of micropollutants. Journal of Hazardous Materials, 2022, 435, 128982.	12.4	2
23	Colorimetric sensors: taking merits of nanofibrous membrane for volatile toxicants detection with ultra-high sensitivity. , 2020, , 213-241.		1