

# Xiaoming Qian

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

386  
citations

933447

10  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

369  
citing authors

#	ARTICLE	IF	CITATIONS
1	High flux and rejection of hierarchical composite membranes based on carbon nanotube network and ultrathin electrospun nanofibrous layer for dye removal. <i>Journal of Membrane Science</i> , 2017, 535, 94-102.	8.2	67
2	High-performance forward osmosis membrane with ultra-fast water transport channel and ultra-thin polyamide layer. <i>Journal of Membrane Science</i> , 2020, 616, 118611.	8.2	56
3	Theoretical Model of Single Fiber Efficiency and the Effect of Microstructure on Fibrous Filtration Performance: A Review. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 3-36.	3.7	32
4	Preparing micro/nano-fibrous filters for effective PM 2.5 under low filtration resistance. <i>Chemical Engineering Science</i> , 2020, 217, 115523.	3.8	26
5	Filtration Efficiency of Non-Uniform Fibrous Filters. <i>Aerosol Science and Technology</i> , 2015, 49, 912-919.	3.1	24
6	Micro-scale layered structural filtration efficiency model: Probing filtration properties of non-uniform fibrous filter media. <i>Separation and Purification Technology</i> , 2020, 236, 116037.	7.9	22
7	Hierarchical micro/nanofibrous filter for effective fine-particle capture. <i>Powder Technology</i> , 2020, 360, 1192-1199.	4.2	21
8	Inverse Problem of Air Filtration of Nanoparticles: Optimal Quality Factors of Fibrous Filters. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-11.	2.7	16
9	Preparation of high-performance microfiber synthetic leather base using thermoplastic polyurethane/sulfonated polysulfone electrospun nanofibers. <i>Textile Research Journal</i> , 2019, 89, 2813-2820.	2.2	12
10	The Application of Hollow Segmented Pie Bicomponent Spunbond Hydro-Entangled Microfiber Nonwovens for Microfiber Synthetic Leather Apparel. <i>AATCC Journal of Research</i> , 2019, 6, 45-49.	0.6	10
11	Micro/nano microfiber synthetic leather base with different nanofiber diameters. <i>Journal of Industrial Textiles</i> , 2021, 50, 1127-1142.	2.4	10
12	Computing Pore Size Distribution in Non-woven Fibrous Filter Media. <i>Fibers and Polymers</i> , 2020, 21, 196-203.	2.1	8
13	Probing the Effective Diffusion Coefficient and Filtration Performance of Micro/Nanofibrous Composite Layered Filters. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 7301-7310.	3.7	6
14	Easily splittable hollow segmented-pie microfiber nonwoven material with excellent filtration and thermal-wet comfort for energy savings. <i>Journal of Materials Research and Technology</i> , 2022, 17, 876-887.	5.8	6
15	Electrospun polyimide nanofibrous membranes for absorption of oil spills. <i>Journal of Industrial Textiles</i> , 2020, 50, 584-595.	2.4	5
16	Dual-Role Mechanism of Dimethyl Sulfone in the Preparation of Surface Layer Membrane of Superfine Fiber Veneer Synthetic Leather. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 17259-17267.	3.7	1