

# Heng Shi

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/428970/publications.pdf>

Version: 2024-02-01

28  
papers

1,928  
citations

361413  
20  
h-index

526287  
27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2441  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical microsphere encapsulated in graphene oxide composite for durable synergetic membrane separation and Fenton-like degradation. <i>Chemical Engineering Journal</i> , 2022, 430, 133124.	12.7	22
2	An intelligent natural fibrous membrane anchored with ZnO for switchable oil/water separation and water purification. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 634, 128041.	4.7	12
3	Confined ultrasmall MOF nanoparticles anchored on a 3D-graphene network as efficient and broad pH-adaptive photo Fenton-like catalysts. <i>Environmental Science: Nano</i> , 2022, 9, 1091-1105.	4.3	9
4	Multi-functional composite membrane with strong photocatalysis to effectively separate emulsified-oil/dyes from complex oily sewage. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 643, 128733.	4.7	15
5	Multifunctional filtration membrane with anti-viscous-oils-fouling capacity and selective dyes adsorption ability for complex wastewater remediation. <i>Journal of Hazardous Materials</i> , 2021, 413, 125379.	12.4	22
6	Promoting the stability and adsorptive capacity of Fe <sub>3</sub> O <sub>4</sub> -embedded expanded graphite with an aminopropyltriethoxysilane-polydopamine coating for the removal of copper(II) from water. <i>RSC Advances</i> , 2021, 11, 35673-35686.	3.6	4
7	Novel dual superlyophobic cellulose membrane for multiple oil/water separation. <i>Chemosphere</i> , 2020, 241, 125067.	8.2	19
8	Mixed-dimensional assembled superhydrophilic graphene-based aerogel with enhanced mass/charge transportation for efficient photoredox catalysis. <i>Separation and Purification Technology</i> , 2020, 252, 117454.	7.9	7
9	A heterostructured PPy/ZnO layer assembled on a PAN nanofibrous membrane with robust visible-light-induced self-cleaning properties for highly efficient water purification with fast separation flux. <i>Journal of Materials Chemistry A</i> , 2020, 8, 4483-4493.	10.3	56
10	One-pot route to synthesize HNTs@PVDF membrane for rapid and effective separation of emulsion-oil and dyes from waste water. <i>Journal of Hazardous Materials</i> , 2019, 380, 120865.	12.4	67
11	Hierarchically Stabilized PAN/FeOOH Nanofibrous Membrane for Efficient Water Purification with Excellent Antifouling Performance and Robust Solvent Resistance. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 34487-34496.	8.0	77
12	Stable graphene oxide-based composite membranes intercalated with montmorillonite nanoplatelets for water purification. <i>Journal of Materials Science</i> , 2019, 54, 2241-2255.	3.7	18
13	A novel antifouling and antibacterial surface-functionalized PVDF ultrafiltration membrane via binding Ag/SiO <sub>2</sub> nanocomposites. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 562-572.	3.2	65
14	Application of dopamine-modified halloysite nanotubes/PVDF blend membranes for direct dyes removal from wastewater. <i>Chemical Engineering Journal</i> , 2017, 323, 572-583.	12.7	181
15	Cover Image, Volume 92, Issue 3. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, i-i.	3.2	0
16	Bio-inspired method for preparation of multiwall carbon nanotubes decorated superhydrophilic poly(vinylidene fluoride) membrane for oil/water emulsion separation. <i>Chemical Engineering Journal</i> , 2017, 321, 245-256.	12.7	155
17	A Mussel-inspired method to fabricate reduced graphene oxide/g-C <sub>3</sub> N <sub>4</sub> composites membranes for catalytic decomposition and oil-in-water emulsion separation. <i>Chemical Engineering Journal</i> , 2017, 322, 33-45.	12.7	220
18	Nature-Mimic Method To Fabricate Polydopamine/Graphitic Carbon Nitride for Enhancing Photocatalytic Degradation Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7840-7850.	6.7	150

#	ARTICLE	IF	CITATIONS
19	Enhancing the photocatalytic and antibacterial property of polyvinylidene fluoride membrane by blending Ag@TiO <sub>2</sub> nanocomposites. Journal of Materials Science: Materials in Electronics, 2017, 28, 3865-3874.	2.2	32
20	Facile fabrication of a robust superwetting three-dimensional (3D) nickel foam for oil/water separation. Journal of Materials Science, 2017, 52, 2169-2179.	3.7	27
21	Poly(dopamine) assisted epoxy functionalization of hexagonal boron nitride for enhancement of epoxy resin anticorrosion performance. Polymers for Advanced Technologies, 2017, 28, 214-221.	3.2	65
22	Anchoring calcium carbonate on graphene oxide reinforced with anticorrosive properties of composite epoxy coatings. Polymers for Advanced Technologies, 2016, 27, 915-921.	3.2	34
23	Corrosion-resistant hybrid coatings based on graphene oxide/zirconia dioxide/epoxy system. Journal of the Taiwan Institute of Chemical Engineers, 2016, 67, 511-520.	5.3	84
24	Novel hydrophilic PVDF ultrafiltration membranes based on a ZrO <sub>2</sub> /multiwalled carbon nanotube hybrid for oil/water separation. Journal of Materials Science, 2016, 51, 8965-8976.	3.7	45
25	Fabrication of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> nanocomposites to enhance anticorrosion performance of epoxy coatings. Polymers for Advanced Technologies, 2016, 27, 740-747.	3.2	32
26	A modified mussel-inspired method to fabricate TiO <sub>2</sub> decorated superhydrophilic PVDF membrane for oil/water separation. Journal of Membrane Science, 2016, 506, 60-70.	8.2	411
27	Preparation of a Novel Poly(vinylidene fluoride) Ultrafiltration Membrane by Incorporation of 3-Aminopropyltriethoxysilane-Grafted Halloysite Nanotubes for Oil/Water Separation. Industrial & Engineering Chemistry Research, 2016, 55, 1760-1767.	3.7	58
28	Preparation of a novel anti-fouling $\beta$ -cyclodextrin/PVDF membrane. RSC Advances, 2015, 5, 51364-51370.	3.6	41