

# 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

411340

20  
h-index

591227

27  
g-index

28  
all docs

28  
docs citations

28  
times ranked

2730  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | A modified mussel-inspired method to fabricate TiO <sub>2</sub> decorated superhydrophilic PVDF membrane for oil/water separation. <i>Journal of Membrane Science</i> , 2016, 506, 60-70.  | 4.1 | 411       |
| 2  | 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.                          | 6.6 | 220       |
| 3  | Application of dopamine-modified halloysite nanotubes/PVDF blend membranes for direct dyes removal from wastewater. <i>Chemical Engineering Journal</i> , 2017, 323, 572-583.  | 6.6 | 181       |
| 4  | 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.   | 6.6 | 155       |
| 5  | 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.  | 3.2 | 150       |
| 6  | Corrosion-resistant hybrid coatings based on graphene oxide/zirconia dioxide/epoxy system. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 511-520.   | 2.7 | 84        |
| 7  | Hierarchically Stabilized PAN/β-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.                             | 4.0 | 77        |
| 8  | 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.  | 6.5 | 67        |
| 9  | 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.  | 1.6 | 65        |
| 10 | Poly(dopamine) assisted epoxy functionalization of hexagonal boron nitride for enhancement of epoxy resin anticorrosion performance. <i>Polymers for Advanced Technologies</i> , 2017, 28, 214-221.  | 1.6 | 65        |
| 11 | Preparation of a Novel Poly(vinylidene fluoride) Ultrafiltration Membrane by Incorporation of 3-Aminopropyltriethoxysilane-Grafted Halloysite Nanotubes for Oil/Water Separation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 1760-1767.      | 1.8 | 58        |
| 12 | 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. | 5.2 | 56        |
| 13 | Novel hydrophilic PVDF ultrafiltration membranes based on a ZrO <sub>2</sub> multiwalled carbon nanotube hybrid for oil/water separation. <i>Journal of Materials Science</i> , 2016, 51, 8965-8976.   | 1.7 | 45        |
| 14 | Preparation of a novel anti-fouling β-cyclodextrin-PVDF membrane. <i>RSC Advances</i> , 2015, 5, 51364-51370.  | 1.7 | 41        |
| 15 | Anchoring calcium carbonate on graphene oxide reinforced with anticorrosive properties of composite epoxy coatings. <i>Polymers for Advanced Technologies</i> , 2016, 27, 915-921.   | 1.6 | 34        |
| 16 | Fabrication of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> nanocomposites to enhance anticorrosion performance of epoxy coatings. <i>Polymers for Advanced Technologies</i> , 2016, 27, 740-747.  | 1.6 | 32        |
| 17 | Enhancing the photocatalytic and antibacterial property of polyvinylidene fluoride membrane by blending Ag-TiO <sub>2</sub> nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 3865-3874.                                     | 1.1 | 32        |
| 18 | Facile fabrication of a robust superwetting three-dimensional (3D) nickel foam for oil/water separation. <i>Journal of Materials Science</i> , 2017, 52, 2169-2179.  | 1.7 | 27        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | 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.   | 6.5 | 22        |
| 20 | Hierarchical microsphere encapsulated in graphene oxide composite for durable synergetic membrane separation and Fenton-like degradation. <i>Chemical Engineering Journal</i> , 2022, 430, 133124.   | 6.6 | 22        |
| 21 | Novel dual superlyophobic cellulose membrane for multiple oil/water separation. <i>Chemosphere</i> , 2020, 241, 125067.  | 4.2 | 19        |
| 22 | Stable graphene oxide-based composite membranes intercalated with montmorillonite nanoplatelets for water purification. <i>Journal of Materials Science</i> , 2019, 54, 2241-2255.   | 1.7 | 18        |
| 23 | 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.                            | 2.3 | 15        |
| 24 | 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.   | 2.3 | 12        |
| 25 | 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.   | 2.2 | 9         |
| 26 | 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.  | 3.9 | 7         |
| 27 | 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. | 1.7 | 4         |
| 28 | Cover Image, Volume 92, Issue 3. <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, i-i.  | 1.6 | 0         |