Heng Shi

List of Publications by Year
in descending order

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	Hierarchical microsphere encapsulated in graphene oxide composite for durable synergetic membrane separation and Fenton-like degradation. Chemical Engineering Journal, 2022, 430, 133124.	6.6	22
2	An intelligent natural fibrous membrane anchored with ZnO for switchable oil/water separation and water purification. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 634, 128041.	2.3	12
3	Confined ultrasmall MOF nanoparticles anchored on a 3D-graphene network as efficient and broad pH-adaptive photo Fenton-like catalysts. Environmental Science: Nano, 2022, 9, 1091-1105.	2.2	9
4	Multi-functional composite membrane with strong photocatalysis to effectively separate emulsified-oil/dyes from complex oily sewage. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 643, 128733.	2.3	15
5	Multifunctional filtration membrane with anti-viscous-oils-fouling capacity and selective dyes adsorption ability for complex wastewater remediation. Journal of Hazardous Materials, 2021, 413, 125379.	6.5	22
6	Promoting the stability and adsorptive capacity of Fe₃O₄-embedded expanded graphite with an aminopropyltriethoxysilaneâ€“polydopamine coating for the removal of copper(<scp>ii</scp>) from water. RSC Advances, 2021, 11, 35673-35686.	1.7	4
7	Novel dual superlyophobic cellulose membrane for multiple oil/water separation. Chemosphere, 2020, 241, 125067.	4.2	19
8	Mixed-dimensional assembled superhydrophilic graphene-based aerogel with enhanced mass/charge transportation for efficient photoredox catalysis. Separation and Purification Technology, 2020, 252, 117454.	3.9	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. Journal of Materials Chemistry A, 2020, 8, 4483-4493.	5.2	56
10	One-pot route to synthesize HNTs@PVDF membrane for rapid and effective separation of emulsion-oil and dyes from waste water. Journal of Hazardous Materials, 2019, 380, 120865.	6.5	67
11	Hierarchically Stabilized PAN/Î²-FeOOH Nanofibrous Membrane for Efficient Water Purification with Excellent Antifouling Performance and Robust Solvent Resistance. ACS Applied Materials & Interfaces, 2019, 11, 34487-34496.	4.0	77
12	Stable graphene oxide-based composite membranes intercalated with montmorillonite nanoplatelets for water purification. Journal of Materials Science, 2019, 54, 2241-2255.	1.7	18
13	A novel antifouling and antibacterial surface-functionalized PVDF ultrafiltration membrane via binding Ag/SiO₂nanocomposites. Journal of Chemical Technology and Biotechnology, 2017, 92, 562-572.	1.6	65
14	Application of dopamine-modified halloysite nanotubes/PVDF blend membranes for direct dyes removal from wastewater. Chemical Engineering Journal, 2017, 323, 572-583.	6.6	181
15	Cover Image, Volume 92, Issue 3. Journal of Chemical Technology and Biotechnology, 2017, 92, i-i.	1.6	0
16	Bio-inspired method for preparation of multiwall carbon nanotubes decorated superhydrophilic poly(vinylidene fluoride) membrane for oil/water emulsion separation. Chemical Engineering Journal, 2017, 321, 245-256.	6.6	155
17	A Mussel-inspired method to fabricate reduced graphene oxide/g-C 3 N 4 composites membranes for catalytic decomposition and oil-in-water emulsion separation. Chemical Engineering Journal, 2017, 322, 33-45.	6.6	220
18	Nature-Mimic Method To Fabricate Polydopamine/Graphitic Carbon Nitride for Enhancing Photocatalytic Degradation Performance. ACS Sustainable Chemistry and Engineering, 2017, 5, 7840-7850.	3.2	150

#	Article	IF	Citations
19	Enhancing the photocatalytic and antibacterial property of polyvinylidene fluoride membrane by blending Agâ€“TiO2 nanocomposites. Journal of Materials Science: Materials in Electronics, 2017, 28, 3865-3874.	1.1	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.	1.7	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.	1.6	65
22	Anchoring calcium carbonate on graphene oxide reinforced with anticorrosive properties of composite epoxy coatings. Polymers for Advanced Technologies, 2016, 27, 915-921.	1.6	34
23	Corrosion-resistant hybrid coatings based on graphene oxideâ€“zirconia dioxide/epoxy system. Journal of the Taiwan Institute of Chemical Engineers, 2016, 67, 511-520.	2.7	84
24	NovelÂhydrophilicÂPVDFÂultrafiltrationÂmembranes based on a ZrO2â€“multiwalledÂcarbonÂnanotube hybridÂforÂoil/water separation. Journal of Materials Science, 2016, 51, 8965-8976.	1.7	45
25	Fabrication of Fe₃ O₄ @SiO₂ nanocomposites to enhance anticorrosion performance of epoxy coatings. Polymers for Advanced Technologies, 2016, 27, 740-747.	1.6	32
26	A modified mussel-inspired method to fabricate TiO2 decorated superhydrophilic PVDF membrane for oil/water separation. Journal of Membrane Science, 2016, 506, 60-70.	4.1	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.	1.8	58
28	Preparation of a novel anti-fouling Î²-cyclodextrinâ€“PVDF membrane. RSC Advances, 2015, 5, 51364-51370.	1.7	41