

Heng Shi

List of Publications by Year in descending order

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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	A modified mussel-inspired method to fabricate TiO ₂ decorated superhydrophilic PVDF membrane for oil/water separation. Journal of Membrane Science, 2016, 506, 60-70.	8.2	411
2	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.	12.7	220
3	Application of dopamine-modified halloysite nanotubes/PVDF blend membranes for direct dyes removal from wastewater. Chemical Engineering Journal, 2017, 323, 572-583.	12.7	181
4	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.	12.7	155
5	Nature-Mimic Method To Fabricate Polydopamine/Graphitic Carbon Nitride for Enhancing Photocatalytic Degradation Performance. ACS Sustainable Chemistry and Engineering, 2017, 5, 7840-7850.	6.7	150
6	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
7	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.	8.0	77
8	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.	12.4	67
9	A novel antifouling and antibacterial surface-functionalized PVDF ultrafiltration membrane via binding Ag/SiO ₂ nanocomposites. Journal of Chemical Technology and Biotechnology, 2017, 92, 562-572.	3.2	65
10	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
11	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
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. Journal of Materials Chemistry A, 2020, 8, 4483-4493.	10.3	56
13	Novel hydrophilic PVDF ultrafiltration membranes based on a ZrO ₂ -multiwalled carbon nanotube hybrid for oil/water separation. Journal of Materials Science, 2016, 51, 8965-8976.	3.7	45
14	Preparation of a novel anti-fouling Î²-cyclodextrin-PVDF membrane. RSC Advances, 2015, 5, 51364-51370.	3.6	41
15	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
16	Fabrication of Fe ₃ O ₄ @SiO ₂ nanocomposites to enhance anticorrosion performance of epoxy coatings. Polymers for Advanced Technologies, 2016, 27, 740-747.	3.2	32
17	Enhancing the photocatalytic and antibacterial property of polyvinylidene fluoride membrane by blending Ag-TiO ₂ nanocomposites. Journal of Materials Science: Materials in Electronics, 2017, 28, 3865-3874.	2.2	32
18	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

#	ARTICLE	IF	CITATIONS
19	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.	12.4	22
20	Hierarchical microsphere encapsulated in graphene oxide composite for durable synergetic membrane separation and Fenton-like degradation. Chemical Engineering Journal, 2022, 430, 133124.	12.7	22
21	Novel dual superlyophobic cellulose membrane for multiple oil/water separation. Chemosphere, 2020, 241, 125067.	8.2	19
22	Stable graphene oxide-based composite membranes intercalated with montmorillonite nanoplatelets for water purification. Journal of Materials Science, 2019, 54, 2241-2255.	3.7	18
23	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.	4.7	15
24	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.	4.7	12
25	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.	4.3	9
26	Mixed-dimensional assembled superhydrophilic graphene-based aerogel with enhanced mass/charge transportation for efficient photoredox catalysis. Separation and Purification Technology, 2020, 252, 117454.	7.9	7
27	Promoting the stability and adsorptive capacity of Fe ₃ O ₄ -embedded expanded graphite with an aminopropyltriethoxysilane/polydopamine coating for the removal of copper(II) from water. RSC Advances, 2021, 11, 35673-35686.	3.6	4
28	Cover Image, Volume 92, Issue 3. Journal of Chemical Technology and Biotechnology, 2017, 92, i-i.	3.2	0