Eric M V Hoek

List of Publications by Year
in descending order

34 papers	5,432 citations	304743 22 h-index	414414 32 g-index
35 all docs	35 docs citations	35 times ranked	8251 citing authors

#	Article	IF	Citations
1	Electroprecipitation Mechanism Enabling Silica and Hardness Removal through Aluminum-Based Electrocoagulation. ACS ES&T Engineering, 2022, 2, 1200-1210.	7.6	8
2	Desalinating a real hyper-saline pre-treated produced water via direct-heat vacuum membrane distillation. Water Research, 2022, 218, 118503.	11.3	9
3	Unaccounted Microplastics in Wastewater Sludge: Where Do They Go?. ACS ES&T Water, 2021, 1, 1086-1097.	4.6	48
4	Distribution of microplastics in soil and freshwater environments: Global analysis and framework for transport modeling. Environmental Pollution, 2021, 274, 116552.	7.5	189
5	A critical review of point-of-use drinking water treatment in the United States. Npj Clean Water, 2021, 4, .	8.0	50
6	Performance, Energy and Cost of Produced Water Treatment by Chemical and Electrochemical Coagulation. Water (Switzerland), 2020, 12, 3426.	2.7	17
7	Produced Water Desalination via Pervaporative Distillation. Water (Switzerland), 2020, 12, 3560.	2.7	10
8	Mineral Scale Prevention on Electrically Conducting Membrane Distillation Membranes Using Induced Electrophoretic Mixing. Environmental Science & Technology, 2020, 54, 3678-3690.	10.0	48
9	Nanostructured Graphene Oxide Composite Membranes with Ultrapermeability and Mechanical Robustness. Nano Letters, 2020, 20, 2209-2218.	9.1	41
10	Estimation of Greenhouse Gas Reduction Potentials by Introducing Smart Energy Systems: Empirical Evidence in Koreaâ€™s Building Energy Management System. Journal of Climate Change Research, 2020, 11, 383-396.	0.4	0
11	An Analytical Approach for CPS Preparation for Koreaâ€™s ODA: Focusing on Environment, Science and Technology Innovation Sector. Journal of Climate Change Research, 2020, 11, 413-425.	0.4	0
12	Next-Generation Asymmetric Membranes Using Thin-Film Liftoff. Nano Letters, 2019, 19, 5036-5043.	9.1	28
13	Direct grafting of tetraaniline via perfluorophenylazide photochemistry to create antifouling, low bio-adhesion surfaces. Chemical Science, 2019, 10, 4445-4457.	7.4	16
14	Turning on the taps. Npj Clean Water, 2018, 1, .	8.0	1
15	Remediation of groundwater contaminated with arsenic through enhanced natural attenuation: Batch and column studies. Water Research, 2017, 122, 545-556.	11.3	20
16	The Age of Cortical Neural Networks Affects Their Interactions with Magnetic Nanoparticles. Small, 2016, 12, 3559-3567.	10.0	18
17	Low-Fouling Antibacterial Reverse Osmosis Membranes via Surface Grafting of Graphene Oxide. ACS Applied Materials & Interfaces, 2016, 8, 14334-14338.	8.0	113
18	Novel chlorine resistant low-fouling ultrafiltration membrane based on a hydrophilic polyaniline derivative. Journal of Materials Chemistry A, 2015, 3, 8725-8733.	10.3	35

#	Article	IF	Citations
19	Effects of membrane orientation on fouling characteristics of forward osmosis membrane in concentration of microalgae culture. Bioresource Technology, 2015, 197, 429-433.	9.6	55
20	Highly dispersible polypyrrole nanospheres for advanced nanocomposite ultrafiltration membranes. Materials Horizons, 2014, 1, 58-64.	12.2	55
21	Scalable Antifouling Reverse Osmosis Membranes Utilizing Perfluorophenyl Azide Photochemistry. Macromolecular Rapid Communications, 2014, 35, 1528-1533.	3.9	28
22	Investigating the structure and water permeation of membranes modified with natural and synthetic additives using tensile, porosity, and glass transition temperature studies. Journal of Applied Polymer Science, 2014, 131, .	2.6	15
23	Fabrication of Low-Fouling Ultrafiltration Membranes Using a Hydrophilic, Self-Doping Polyaniline Additive. Chemistry of Materials, 2013, 25, 3597-3602.	6.7	74
24	Carbon nanotube/polyaniline nanofiber ultrafiltration membranes. Journal of Materials Chemistry A, 2013, 1, 15390.	10.3	44
25	Carbon nanotube-templated polyaniline nanofibers: synthesis, flash welding and ultrafiltration membranes. Nanoscale, 2013, 5, 3856.	5.6	61
26	The influence of solvent properties on the performance of polysulfone/Î²â€cyclodextrin polyurethane mixedâ€matrix membranes. Journal of Applied Polymer Science, 2013, 130, 2005-2014.	2.6	19
27	Membrane-based production of salinity-gradient power. Energy and Environmental Science, 2011, 4, 4423.	30.8	416
28	A review of the antibacterial effects of silver nanomaterials and potential implications for human health and the environment. Journal of Nanoparticle Research, 2010, 12, 1531-1551.	1.9	2,357
29	Pore-structure, hydrophilicity, and particle filtration characteristics of polyanilineâ€“polysulfone ultrafiltration membranes. Journal of Materials Chemistry, 2010, 20, 4621.	6.7	95
30	Synthesis, characterization, and ion-exchange properties of colloidal zeolite nanocrystals. Journal of Nanoparticle Research, 2009, 11, 1795-1803.	1.9	25
31	Effect of mobile cation on zeolite-polyamide thin film nanocomposite membranes. Journal of Materials Research, 2009, 24, 1624-1631.	2.6	124
32	Extended DLVO interactions between spherical particles and rough surfaces. Journal of Colloid and Interface Science, 2006, 298, 50-58.	9.4	463
33	Cake-Enhanced Concentration Polarization:Â A New Fouling Mechanism for Salt-Rejecting Membranes. Environmental Science & Technology, 2003, 37, 5581-5588.	10.0	531
34	Effect of Membrane Surface Roughness on Colloidâ^'Membrane DLVO Interactions. Langmuir, 2003, 19, 4836-4847.	3.5	419