

# Jenny Lawler

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2369158/publications.pdf>

Version: 2024-02-01

31  
papers

1,506  
citations

394286

19  
h-index

434063

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2198  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cicada Wing Surface Topography: An Investigation into the Bactericidal Properties of Nanostructural Features. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 14966-14974.	4.0	262
2	Preparation and characterization of low fouling novel hybrid ultrafiltration membranes based on the blends of GO-TiO <sub>2</sub> nanocomposite and polysulfone for humic acid removal. <i>Journal of Membrane Science</i> , 2016, 506, 38-49.	4.1	183
3	COVID-19 (SARS-CoV-2) outbreak monitoring using wastewater-based epidemiology in Qatar. <i>Science of the Total Environment</i> , 2021, 774, 145608.	3.9	120
4	Antifouling hybrid ultrafiltration membranes with high selectivity fabricated from polysulfone and sulfonic acid functionalized TiO <sub>2</sub> nanotubes. <i>Chemical Engineering Journal</i> , 2017, 316, 573-583.	6.6	94
5	Fabrication of graphene oxide incorporated polyethersulfone hybrid ultrafiltration membranes for humic acid removal. <i>Separation and Purification Technology</i> , 2019, 223, 17-23.	3.9	88
6	A review of pharmaceutical occurrence and pathways in the aquatic environment in the context of a changing climate and the COVID-19 pandemic. <i>Analytical Methods</i> , 2021, 13, 575-594.	1.3	82
7	Pre-treatments to enhance biogas yield and quality from anaerobic digestion of whiskey distillery and brewery wastes: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 113, 109281.	8.2	78
8	Unprecedented environmental and energy impacts and challenges of COVID-19 pandemic. <i>Environmental Research</i> , 2021, 193, 110443.	3.7	73
9	Quaternized polysulfone and graphene oxide nanosheet derived low fouling novel positively charged hybrid ultrafiltration membranes for protein separation. <i>RSC Advances</i> , 2015, 5, 51208-51219.	1.7	58
10	Dead-end filtration of yeast suspensions: Correlating specific resistance and flux data using artificial neural networks. <i>Journal of Membrane Science</i> , 2006, 281, 325-333.	4.1	53
11	Preparation and characterization of negatively charged organic-inorganic hybrid ultrafiltration membranes for protein separation. <i>Separation and Purification Technology</i> , 2014, 130, 112-123.	3.9	42
12	A comprehensive review of forward osmosis and niche applications. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1986-2015.	1.2	37
13	Sustainable brine management from the perspectives of water, energy and mineral recovery: A comprehensive review. <i>Desalination</i> , 2021, 513, 115055.	4.0	35
14	UV-induced photocatalytic degradation of aqueous acetaminophen: the role of adsorption and reaction kinetics. <i>Environmental Science and Pollution Research</i> , 2015, 22, 2219-2230.	2.7	31
15	Recovery of viable ammonia-nitrogen products from agricultural slaughterhouse wastewater by membrane contactors: a review. <i>Environmental Science: Water Research and Technology</i> , 2021, 7, 259-273.	1.2	23
16	Pilot testing of a novel Multi Effect Distillation (MED) technology for seawater desalination. <i>Desalination</i> , 2021, 519, 115221.	4.0	22
17	Pilot Scale Study: First Demonstration of Hydrophobic Membranes for the Removal of Ammonia Molecules from Rendering Condensate Wastewater. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3914.	1.8	21
18	Pilot testing of a novel integrated Multi Effect Distillation - Absorber compressor (MED-AB) technology for high performance seawater desalination. <i>Desalination</i> , 2022, 521, 115388.	4.0	21

#	ARTICLE	IF	CITATIONS
19	Functionalized chitosan derived novel positively charged organic–inorganic hybrid ultrafiltration membranes for protein separation. <i>RSC Advances</i> , 2014, 4, 21699-21711.	1.7	20
20	Developments in activated functionalized carbons and their applications in water decontamination: a review. <i>Desalination and Water Treatment</i> , 2015, 54, 422-449.	1.0	19
21	Knowledge gaps on micro and nanoplastics and human health: A critical review. <i>Case Studies in Chemical and Environmental Engineering</i> , 2021, 3, 100091.	2.9	19
22	Incorporation of Graphene-Related Carbon Nanosheets in Membrane Fabrication for Water Treatment: A Review. <i>Membranes</i> , 2016, 6, 57.	1.4	17
23	Monitoring of emerging contaminants of concern in the aquatic environment: a review of studies showing the application of effect-based measures. <i>Analytical Methods</i> , 2021, 13, 5120-5143.	1.3	17
24	Application of human RNase P normalization for the realistic estimation of SARS-CoV-2 viral load in wastewater: A perspective from Qatar wastewater surveillance. <i>Environmental Technology and Innovation</i> , 2022, 27, 102775.	3.0	17
25	Optimisation of anaerobic digestion of pot ale after thermochemical pre-treatment through Response Surface Methodology. <i>Biomass and Bioenergy</i> , 2021, 144, 105902.	2.9	16
26	Optimisation and Modelling of Anaerobic Digestion of Whiskey Distillery/Brewery Wastes after Combined Chemical and Mechanical Pre-Treatment. <i>Processes</i> , 2020, 8, 492.	1.3	14
27	Enhanced catalytic ozonation of ibuprofen using a 3D structured catalyst with MnO <sub>2</sub> nanosheets on carbon microfibers. <i>Scientific Reports</i> , 2021, 11, 6342.	1.6	10
28	Activated Graphene Oxide-Calcium Alginate Beads for Adsorption of Methylene Blue and Pharmaceuticals. <i>Materials</i> , 2021, 14, 6343.	1.3	10
29	Oxygen transfer of microbubble clouds in aqueous solutions – Application to wastewater. <i>Chemical Engineering Science</i> , 2022, 257, 117693.	1.9	9
30	Layered zinc hydroxide as an adsorbent for phosphate removal and recovery from wastewater. <i>RSC Advances</i> , 2021, 11, 30172-30182.	1.7	8
31	Potential Viable Products Identified from Characterisation of Agricultural Slaughterhouse Rendering Wastewater. <i>Water (Switzerland)</i> , 2021, 13, 352.	1.2	7