

# Morten Christensen

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

97  
papers

1,686  
citations

21  
h-index

37  
g-index

101  
ext. papers

1,922  
ext. citations

6.5  
avg, IF

4.99  
L-index

#	Paper	IF	Citations
97	Solid-liquid separation of animal slurry in theory and practice. A review. <i>Agronomy for Sustainable Development</i> , <b>2010</b> , 30, 153-180	6.8	266
96	Dewatering in biological wastewater treatment: A review. <i>Water Research</i> , <b>2015</b> , 82, 14-24	12.5	166
95	Characterization of pig slurry with reference to flocculation and separation. <i>Water Research</i> , <b>2009</b> , 43, 773-83	12.5	72
94	One-step deposition of ultrafiltration SiC membranes on macroporous SiC supports. <i>Journal of Membrane Science</i> , <b>2014</b> , 472, 232-240	9.6	47
93	Flocculation, coagulation, and precipitation of manure affecting three separation techniques. <i>Bioresource Technology</i> , <b>2008</b> , 99, 8598-604	11	47
92	Modeling cake buildup under TMP-step filtration in a membrane bioreactor: cake compressibility is significant. <i>Water Research</i> , <b>2012</b> , 46, 4330-8	12.5	46
91	Unified understanding of physico-chemical properties of activated sludge and fouling propensity. <i>Water Research</i> , <b>2017</b> , 120, 117-132	12.5	36
90	Deposition of thin ultrafiltration membranes on commercial SiC microfiltration tubes. <i>Ceramics International</i> , <b>2014</b> , 40, 3277-3285	5.1	36
89	Layered double hydroxides for phosphorus recovery from acidified and non-acidified dewatered sludge. <i>Water Research</i> , <b>2019</b> , 153, 208-216	12.5	32
88	Membrane crystallization for phosphorus recovery and ammonia stripping from reject water from sludge dewatering process. <i>Desalination</i> , <b>2018</b> , 440, 156-160	10.3	32
87	Acidification and recovery of phosphorus from digested and non-digested sludge. <i>Water Research</i> , <b>2018</b> , 146, 307-317	12.5	31
86	Comparison of ceramic and polymeric ultrafiltration membranes for treating wastewater from metalworking industry. <i>Chemical Engineering Journal</i> , <b>2014</b> , 255, 403-410	14.7	29
85	Effects of relaxation time on fouling propensity in membrane bioreactors. <i>Journal of Membrane Science</i> , <b>2016</b> , 504, 176-184	9.6	27
84	Modeling approach to determine cake buildup and compression in a high-shear membrane bioreactor. <i>Journal of Membrane Science</i> , <b>2012</b> , 409-410, 335-345	9.6	26
83	Design and fabrication of silica-based nanofiltration membranes for water desalination and detoxification. <i>Microporous and Mesoporous Materials</i> , <b>2017</b> , 237, 117-126	5.3	26
82	Animal Manure Fertiliser Value, Crop Utilisation and Soil Quality Impacts		26
81	Gravity drainage of activated sludge: new experimental method and considerations of settling velocity, specific cake resistance and cake compressibility. <i>Water Research</i> , <b>2011</b> , 45, 1941-50	12.5	25

80	Impact of iron and hydrogen peroxide on membrane degradation for polymer electrolyte membrane water electrolysis: Computational and experimental investigation on fluoride emission. <i>Journal of Power Sources</i> , <b>2019</b> , 420, 54-62	8.9	24
79	Study of the compositional heterogeneity in poly(N-isopropylacrylamide- $\beta$ -acrylic acid) microgels by potentiometric titration experiments. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2005</b> , 252, 61-69	5.1	24
78	Sludge fractionation as a method to study and predict fouling in MBR systems. <i>Separation and Purification Technology</i> , <b>2018</b> , 194, 329-337	8.3	24
77	Filtration properties of activated sludge in municipal MBR wastewater treatment plants are related to microbial community structure. <i>Water Research</i> , <b>2013</b> , 47, 6719-30	12.5	22
76	On the reversibility of cake buildup and compression in a membrane bioreactor. <i>Journal of Membrane Science</i> , <b>2014</b> , 455, 152-161	9.6	21
75	A review of membrane crystallization, forward osmosis and membrane capacitive deionization for liquid mining. <i>Resources, Conservation and Recycling</i> , <b>2021</b> , 168, 105273	11.9	21
74	Compressibility of fouling layers in membrane bioreactors. <i>Journal of Membrane Science</i> , <b>2015</b> , 475, 65-70	9.6	20
73	Forward osmosis with high-performing TFC membranes for concentration of digester centrate prior to phosphorus recovery. <i>Separation and Purification Technology</i> , <b>2018</b> , 197, 449-456	8.3	19
72	New Training to Meet the Global Phosphorus Challenge. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 8479-8481	10.3	19
71	Growth and proton exchange in recombinant Escherichia coli BL21. <i>Enzyme and Microbial Technology</i> , <b>2002</b> , 31, 566-574	3.8	19
70	Direct observation of fouling phenomena during cross-flow filtration: Influence of particle surface charge. <i>Journal of Membrane Science</i> , <b>2016</b> , 510, 546-558	9.6	19
69	Enhancing the health potential of processed meat: the effect of chitosan or carboxymethyl cellulose enrichment on inherent microstructure, water mobility and oxidation in a meat-based food matrix. <i>Food and Function</i> , <b>2018</b> , 9, 4017-4027	6.1	18
68	Compression and swelling of activated sludge cakes during dewatering. <i>Water Research</i> , <b>2012</b> , 46, 4999-5008	10.8	18
67	Inhibition of cholesterol transport in an intestine cell model by pine-derived phytosterols. <i>Chemistry and Physics of Lipids</i> , <b>2016</b> , 200, 62-73	3.7	16
66	New approach to determining consolidation coefficients using cake-filtration experiments. <i>Powder Technology</i> , <b>2004</b> , 142, 98-102	5.2	16
65	The quest for umami: Can sous vide contribute?. <i>International Journal of Gastronomy and Food Science</i> , <b>2018</b> , 13, 129-133	2.8	15
64	Surface modification of reverse osmosis membranes with zwitterionic polymer to reduce biofouling. <i>Water Science and Technology: Water Supply</i> , <b>2015</b> , 15, 999-1010	1.4	15
63	Sludge quality aspects of full-scale reed bed drainage. <i>Water Research</i> , <b>2011</b> , 45, 6453-60	12.5	15

62	Creep effects in activated sludge filter cakes. <i>Powder Technology</i> , <b>2007</b> , 177, 23-33	5.2	15
61	Roughness analysis of single nanoparticles applied to atomic force microscopy images of hydrated casein micelles. <i>Food Hydrocolloids</i> , <b>2015</b> , 45, 168-174	10.6	13
60	Fouling of enhanced biological phosphorus removal-membrane bioreactors by humic-like substances. <i>Chemosphere</i> , <b>2014</b> , 117, 144-50	8.4	13
59	Filtration model for suspensions that form filter cakes with creep behavior. <i>AIChE Journal</i> , <b>2007</b> , 53, 598-609	3.6	13
58	Dependence of shear and concentration on fouling in a membrane bioreactor with rotating membrane discs. <i>AIChE Journal</i> , <b>2014</b> , 60, 706-715	3.6	12
57	Modeling water flux and salt rejection of mesoporous alumina and microporous organosilica membranes. <i>Journal of Membrane Science</i> , <b>2014</b> , 470, 307-315	9.6	12
56	Gravitational drainage of compressible organic materials. <i>AIChE Journal</i> , <b>2010</b> , 56, 3099-3108	3.6	12
55	Evaluation of Methods to Determine Flocculation Procedure for Manure Separation. <i>Transactions of the ASABE</i> , <b>2008</b> , 51, 2093-2103	0.9	12
54	Ammonia Recovery from Pig Slurry Using a Membrane Contactor Influence of Slurry Pretreatment. <i>Water, Air, and Soil Pollution</i> , <b>2017</b> , 228, 1	2.6	11
53	Recovery of biomolecules from marinated herring ( <i>Clupea harengus</i> ) brine using ultrafiltration through ceramic membranes. <i>LWT - Food Science and Technology</i> , <b>2015</b> , 63, 423-429	5.4	11
52	Inorganic Membranes for the Recovery of Effluent from Municipal Wastewater Treatment Plants. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2015</b> , 54, 3462-3472	3.9	11
51	Treated Seawater as a Magnesium Source for Phosphorous Recovery from Wastewater-A Feasibility and Cost Analysis. <i>Membranes</i> , <b>2016</b> , 6,	3.8	11
50	Pressure and concentration profiles in filter cake consisting of core/shell latex particle. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2006</b> , 290, 295-303	5.1	10
49	Selective electrodialysis for simultaneous but separate phosphate and ammonium recovery. <i>Environmental Technology (United Kingdom)</i> , <b>2021</b> , 42, 2177-2186	2.6	10
48	The effect of particle surface charge density on filter cake properties during dead-end filtration. <i>Chemical Engineering Science</i> , <b>2017</b> , 163, 155-166	4.4	9
47	Filtration of core-shell colloids in studying the dewatering properties of water-swollen materials. <i>Chemical Engineering Science</i> , <b>2014</b> , 116, 558-566	4.4	9
46	Wastewater treatment and concentration of phosphorus with the hybrid osmotic microfiltration bioreactor. <i>Journal of Membrane Science</i> , <b>2018</b> , 559, 107-116	9.6	9
45	Effect of reverse sodium flux and pH on ammoniacal nitrogen transport through biomimetic membranes. <i>Separation and Purification Technology</i> , <b>2019</b> , 217, 40-47	8.3	8

44	Test of precoat filtration technology for treatment of swimming pool water. <i>Water Science and Technology</i> , <b>2018</b> , 77, 748-758	2.2	8
43	Numerical model of gravity drainage of compressible organic slurries. <i>Powder Technology</i> , <b>2012</b> , 217, 189-198	5.2	8
42	Effect of water-swollen organic materials on crossflow filtration performance. <i>Journal of Membrane Science</i> , <b>2009</b> , 333, 94-99	9.6	8
41	Solid-Liquid Separation of Animal Slurry in Theory and Practice <b>2011</b> , 953-986		8
40	Nonlinear filtration behavior of soft particles: Effect of dynamic cake compression. <i>Powder Technology</i> , <b>2011</b> , 207, 428-436	5.2	7
39	Nutrient Leaching and Runoff from Land Application of Animal Manure and Measures for Reduction	195-210	7
38	Manure Organic Matter Characteristics and Microbial Transformations	67-90	7
37	Treatment of Wastewater Solutions from Anodizing Industry by Membrane Distillation and Membrane Crystallization. <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 287	2.6	6
36	Greenhouse Gas Emissions from Animal Manures and Technologies for Their Reduction <b>2013</b> , 177-194		6
35	Electroviscous Effects in Ceramic Nanofiltration Membranes. <i>ChemPhysChem</i> , <b>2015</b> , 16, 3397-407	3.2	5
34	Irreversible fouling of membrane bioreactors due to formation of a non-biofilm gel layer. <i>Water Science and Technology</i> , <b>2014</b> , 69, 1641-7	2.2	5
33	The influence of creep on cake solid volume fraction during filtration of core-shell particles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2008</b> , 320, 227-232	5.1	5
32	Membrane filtration device for studying compression of fouling layers in membrane bioreactors. <i>PLoS ONE</i> , <b>2017</b> , 12, e0181652	3.7	5
31	A comparison of vacuum and direct contact membrane distillation for phosphorus and ammonia recovery from wastewater. <i>Journal of Water Process Engineering</i> , <b>2021</b> , 44, 102350	6.7	5
30	Hydraulic resistance and osmotic pressure effects in fouling layers during MBR operations. <i>Journal of Membrane Science</i> , <b>2021</b> , 627, 119213	9.6	5
29	Regulations on Animal Manure Management	25-40	5
28	Gaseous Emissions of Ammonia and Malodorous Gases	131-151	5
27	Fouling of a microfiltration membrane by humic-like substances: a mathematical approach to modelling permeate flux and membrane retention. <i>Water Science and Technology</i> , <b>2016</b> , 73, 3033-40	2.2	4

26	Animal Manure Residue Upgrading and Nutrient Recovery in Biofertilisers <b>2013</b> , 271-294		4
25	Ammonia and Malodorous Gases: Sources and Abatement Technologies <b>2013</b> , 153-175		4
24	Manure Characterisation and Inorganic Chemistry <b>2013</b> , 41-65		4
23	Pilot-scale study for phosphorus recovery by sludge acidification and dewatering. <i>Environmental Technology (United Kingdom)</i> , <b>2020</b> , 41, 2928-2934	2.6	4
22	Sanitation and Hygiene in Manure Management 91-104		4
21	Solid-Liquid Separation of Animal Slurry 105-130		4
20	Data for the size of cholesterol-fat micelles as a function of bile salt concentration and the physico-chemical properties of six liquid experimental pine-derived phytosterol formulations in a cholesterol-containing artificial intestine fluid. <i>Data in Brief</i> , <b>2017</b> , 10, 478-481	1.2	3
19	Non-ionic soft materials influence on filtration resistance and cake dry matter content. <i>AIChE Journal</i> , <b>2017</b> , 63, 2241-2247	3.6	3
18	Industrial Wastewater Treatment by Nanofiltration-a Case Study on the Anodizing Industry. <i>Membranes</i> , <b>2020</b> , 10,	3.8	3
17	Critical moisture point of sludge and its link to vapour sorption and dewatering. <i>Chemosphere</i> , <b>2019</b> , 236, 124299	8.4	3
16	Animal Manure – From Waste to Raw Materials and Goods <b>2013</b> , 1-4		3
15	Fouling of membranes in membrane bioreactors for wastewater treatment: Planktonic bacteria can have a significant contribution. <i>Water Environment Research</i> , <b>2021</b> , 93, 207-216	2.8	3
14	Teaching science to chefs: The benefits, challenges and opportunities. <i>International Journal of Gastronomy and Food Science</i> , <b>2019</b> , 16, 100133	2.8	2
13	Simulation of sludge dewatering on belt filters. <i>Water Science and Technology</i> , <b>2010</b> , 61, 3162-8	2.2	2
12	Precipitation and recovery of phosphorus from the wastewater hydrolysis tank. <i>Science of the Total Environment</i> , <b>2021</b> , 813, 151875	10.2	2
11	Modeling approach to describe fouling removal during relaxation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 94, 119-123	5.3	2
10	Technologies and Logistics for Handling, Transport and Distribution of Animal Manures 211-236		2
9	Life Cycle Assessment of Manure Management Systems 329-341		2

8	Animal Production and Animal Manure Management	5-23		2
7	Nutrients Enrichment and Process Repercussions in Hybrid Microfiltration Osmotic Membrane Bioreactor: A Guideline for Forward Osmosis Development Based on Lab-Scale Experience. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1098		3	1
6	Phosphorus Removal from Manure by Mechanical Separation using Salt and Polymers: Theoretical Simulations and Experimental Data. <i>Applied Engineering in Agriculture</i> , <b>2020</b> , 36, 175-185		0.8	1
5	The use of dielectric spectroscopy for the characterisation of polymer-induced flocculation of core-shell particles. <i>Journal of Colloid and Interface Science</i> , <b>2011</b> , 356, 681-9		9.3	1
4	Oleic acid-coated magnetic particles for removal of oil from produced water. <i>Journal of Petroleum Science and Engineering</i> , <b>2022</b> , 211, 110088		4.4	1
3	Mechanisms behind pH changes during electrocoagulation. <i>AIChE Journal</i> , <b>2021</b> , 67, e17384		3.6	1
2	Innovation in Animal Manure Management and Recycling	343-356		
1	Bioenergy Production	237-269		