

Morten Christensen

List of Publications by Year in Descending Order

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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	Oleic acid-coated magnetic particles for removal of oil from produced water. <i>Journal of Petroleum Science and Engineering</i> , 2022 , 211, 110088	4.4	1
96	Precipitation and recovery of phosphorus from the wastewater hydrolysis tank. <i>Science of the Total Environment</i> , 2021 , 813, 151875	10.2	2
95	A comparison of vacuum and direct contact membrane distillation for phosphorus and ammonia recovery from wastewater. <i>Journal of Water Process Engineering</i> , 2021 , 44, 102350	6.7	5
94	Hydraulic resistance and osmotic pressure effects in fouling layers during MBR operations. <i>Journal of Membrane Science</i> , 2021 , 627, 119213	9.6	5
93	Mechanisms behind pH changes during electrocoagulation. <i>AIChE Journal</i> , 2021 , 67, e17384	3.6	1
92	Fouling of membranes in membrane bioreactors for wastewater treatment: Planktonic bacteria can have a significant contribution. <i>Water Environment Research</i> , 2021 , 93, 207-216	2.8	3
91	A review of membrane crystallization, forward osmosis and membrane capacitive deionization for liquid mining. <i>Resources, Conservation and Recycling</i> , 2021 , 168, 105273	11.9	21
90	Selective electrodialysis for simultaneous but separate phosphate and ammonium recovery. <i>Environmental Technology (United Kingdom)</i> , 2021 , 42, 2177-2186	2.6	10
89	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> , 2020 , 12, 1098	3	1
88	Phosphorus Removal from Manure by Mechanical Separation using Salt and Polymers: Theoretical Simulations and Experimental Data. <i>Applied Engineering in Agriculture</i> , 2020 , 36, 175-185	0.8	1
87	Industrial Wastewater Treatment by Nanofiltration-a Case Study on the Anodizing Industry. <i>Membranes</i> , 2020 , 10,	3.8	3
86	Pilot-scale study for phosphorus recovery by sludge acidification and dewatering. <i>Environmental Technology (United Kingdom)</i> , 2020 , 41, 2928-2934	2.6	4
85	Teaching science to chefs: The benefits, challenges and opportunities. <i>International Journal of Gastronomy and Food Science</i> , 2019 , 16, 100133	2.8	2
84	Treatment of Wastewater Solutions from Anodizing Industry by Membrane Distillation and Membrane Crystallization. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 287	2.6	6
83	Layered double hydroxides for phosphorus recovery from acidified and non-acidified dewatered sludge. <i>Water Research</i> , 2019 , 153, 208-216	12.5	32
82	Effect of reverse sodium flux and pH on ammoniacal nitrogen transport through biomimetic membranes. <i>Separation and Purification Technology</i> , 2019 , 217, 40-47	8.3	8
81	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> , 2019 , 420, 54-62	8.9	24

80	Critical moisture point of sludge and its link to vapour sorption and dewatering. <i>Chemosphere</i> , 2019 , 236, 124299	8.4	3
79	New Training to Meet the Global Phosphorus Challenge. <i>Environmental Science & Technology</i> , 2019 , 53, 8479-8481	10.3	19
78	Modeling approach to describe fouling removal during relaxation. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 94, 119-123	5.3	2
77	The quest for umami: Can sous vide contribute?. <i>International Journal of Gastronomy and Food Science</i> , 2018 , 13, 129-133	2.8	15
76	Forward osmosis with high-performing TFC membranes for concentration of digester centrate prior to phosphorus recovery. <i>Separation and Purification Technology</i> , 2018 , 197, 449-456	8.3	19
75	Test of precoat filtration technology for treatment of swimming pool water. <i>Water Science and Technology</i> , 2018 , 77, 748-758	2.2	8
74	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> , 2018 , 9, 4017-4027	6.1	18
73	Sludge fractionation as a method to study and predict fouling in MBR systems. <i>Separation and Purification Technology</i> , 2018 , 194, 329-337	8.3	24
72	Membrane crystallization for phosphorus recovery and ammonia stripping from reject water from sludge dewatering process. <i>Desalination</i> , 2018 , 440, 156-160	10.3	32
71	Acidification and recovery of phosphorus from digested and non-digested sludge. <i>Water Research</i> , 2018 , 146, 307-317	12.5	31
70	Wastewater treatment and concentration of phosphorus with the hybrid osmotic microfiltration bioreactor. <i>Journal of Membrane Science</i> , 2018 , 559, 107-116	9.6	9
69	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> , 2017 , 10, 478-481	1.2	3
68	The effect of particle surface charge density on filter cake properties during dead-end filtration. <i>Chemical Engineering Science</i> , 2017 , 163, 155-166	4.4	9
67	Unified understanding of physico-chemical properties of activated sludge and fouling propensity. <i>Water Research</i> , 2017 , 120, 117-132	12.5	36
66	Non-ionic soft materials influence on filtration resistance and cake dry matter content. <i>AIChE Journal</i> , 2017 , 63, 2241-2247	3.6	3
65	Ammonia Recovery from Pig Slurry Using a Membrane Contactor Influence of Slurry Pretreatment. <i>Water, Air, and Soil Pollution</i> , 2017 , 228, 1	2.6	11
64	Design and fabrication of silica-based nanofiltration membranes for water desalination and detoxification. <i>Microporous and Mesoporous Materials</i> , 2017 , 237, 117-126	5.3	26
63	Membrane filtration device for studying compression of fouling layers in membrane bioreactors. <i>PLoS ONE</i> , 2017 , 12, e0181652	3.7	5

62	Inhibition of cholesterol transport in an intestine cell model by pine-derived phytosterols. <i>Chemistry and Physics of Lipids</i> , 2016 , 200, 62-73	3.7	16
61	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> , 2016 , 73, 3033-40	2.2	4
60	Treated Seawater as a Magnesium Source for Phosphorous Recovery from Wastewater-A Feasibility and Cost Analysis. <i>Membranes</i> , 2016 , 6,	3.8	11
59	Direct observation of fouling phenomena during cross-flow filtration: Influence of particle surface charge. <i>Journal of Membrane Science</i> , 2016 , 510, 546-558	9.6	19
58	Effects of relaxation time on fouling propensity in membrane bioreactors. <i>Journal of Membrane Science</i> , 2016 , 504, 176-184	9.6	27
57	Recovery of biomolecules from marinated herring (<i>Clupea harengus</i>) brine using ultrafiltration through ceramic membranes. <i>LWT - Food Science and Technology</i> , 2015 , 63, 423-429	5.4	11
56	Inorganic Membranes for the Recovery of Effluent from Municipal Wastewater Treatment Plants. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 3462-3472	3.9	11
55	Roughness analysis of single nanoparticles applied to atomic force microscopy images of hydrated casein micelles. <i>Food Hydrocolloids</i> , 2015 , 45, 168-174	10.6	13
54	Compressibility of fouling layers in membrane bioreactors. <i>Journal of Membrane Science</i> , 2015 , 475, 65-70	9.6	20
53	Surface modification of reverse osmosis membranes with zwitterionic polymer to reduce biofouling. <i>Water Science and Technology: Water Supply</i> , 2015 , 15, 999-1010	1.4	15
52	Electroviscous Effects in Ceramic Nanofiltration Membranes. <i>ChemPhysChem</i> , 2015 , 16, 3397-407	3.2	5
51	Dewatering in biological wastewater treatment: A review. <i>Water Research</i> , 2015 , 82, 14-24	12.5	166
50	Dependence of shear and concentration on fouling in a membrane bioreactor with rotating membrane discs. <i>AIChE Journal</i> , 2014 , 60, 706-715	3.6	12
49	Comparison of ceramic and polymeric ultrafiltration membranes for treating wastewater from metalworking industry. <i>Chemical Engineering Journal</i> , 2014 , 255, 403-410	14.7	29
48	Modeling water flux and salt rejection of mesoporous alumina and microporous organosilica membranes. <i>Journal of Membrane Science</i> , 2014 , 470, 307-315	9.6	12
47	One-step deposition of ultrafiltration SiC membranes on macroporous SiC supports. <i>Journal of Membrane Science</i> , 2014 , 472, 232-240	9.6	47
46	Deposition of thin ultrafiltration membranes on commercial SiC microfiltration tubes. <i>Ceramics International</i> , 2014 , 40, 3277-3285	5.1	36
45	Filtration of core-shell colloids in studying the dewatering properties of water-swollen materials. <i>Chemical Engineering Science</i> , 2014 , 116, 558-566	4.4	9

44	On the reversibility of cake buildup and compression in a membrane bioreactor. <i>Journal of Membrane Science</i> , 2014 , 455, 152-161	9.6	21
43	Irreversible fouling of membrane bioreactors due to formation of a non-biofilm gel layer. <i>Water Science and Technology</i> , 2014 , 69, 1641-7	2.2	5
42	Fouling of enhanced biological phosphorus removal-membrane bioreactors by humic-like substances. <i>Chemosphere</i> , 2014 , 117, 144-50	8.4	13
41	Filtration properties of activated sludge in municipal MBR wastewater treatment plants are related to microbial community structure. <i>Water Research</i> , 2013 , 47, 6719-30	12.5	22
40	Animal Manure Residue Upgrading and Nutrient Recovery in Biofertilisers 2013 , 271-294		4
39	Animal Manure [From Waste to Raw Materials and Goods 2013 , 1-4		3
38	Ammonia and Malodorous Gases: Sources and Abatement Technologies 2013 , 153-175		4
37	Greenhouse Gas Emissions from Animal Manures and Technologies for Their Reduction 2013 , 177-194		6
36	Manure Characterisation and Inorganic Chemistry 2013 , 41-65		4
35	Modeling approach to determine cake buildup and compression in a high-shear membrane bioreactor. <i>Journal of Membrane Science</i> , 2012 , 409-410, 335-345	9.6	26
34	Numerical model of gravity drainage of compressible organic slurries. <i>Powder Technology</i> , 2012 , 217, 189-198	5.2	8
33	Compression and swelling of activated sludge cakes during dewatering. <i>Water Research</i> , 2012 , 46, 4999-5008	12.5	18
32	Modeling cake buildup under TMP-step filtration in a membrane bioreactor: cake compressibility is significant. <i>Water Research</i> , 2012 , 46, 4330-8	12.5	46
31	Gravity drainage of activated sludge: new experimental method and considerations of settling velocity, specific cake resistance and cake compressibility. <i>Water Research</i> , 2011 , 45, 1941-50	12.5	25
30	Sludge quality aspects of full-scale reed bed drainage. <i>Water Research</i> , 2011 , 45, 6453-60	12.5	15
29	Nonlinear filtration behavior of soft particles: Effect of dynamic cake compression. <i>Powder Technology</i> , 2011 , 207, 428-436	5.2	7
28	The use of dielectric spectroscopy for the characterisation of polymer-induced flocculation of core-shell particles. <i>Journal of Colloid and Interface Science</i> , 2011 , 356, 681-9	9.3	1
27	Solid-Liquid Separation of Animal Slurry in Theory and Practice 2011 , 953-986		8

26	Simulation of sludge dewatering on belt filters. <i>Water Science and Technology</i> , 2010 , 61, 3162-8	2.2	2
25	Solid-liquid separation of animal slurry in theory and practice. A review. <i>Agronomy for Sustainable Development</i> , 2010 , 30, 153-180	6.8	266
24	Gravitational drainage of compressible organic materials. <i>AIChE Journal</i> , 2010 , 56, 3099-3108	3.6	12
23	Effect of water-swollen organic materials on crossflow filtration performance. <i>Journal of Membrane Science</i> , 2009 , 333, 94-99	9.6	8
22	Characterization of pig slurry with reference to flocculation and separation. <i>Water Research</i> , 2009 , 43, 773-83	12.5	72
21	Evaluation of Methods to Determine Flocculation Procedure for Manure Separation. <i>Transactions of the ASABE</i> , 2008 , 51, 2093-2103	0.9	12
20	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> , 2008 , 320, 227-232	5.1	5
19	Flocculation, coagulation, and precipitation of manure affecting three separation techniques. <i>Bioresource Technology</i> , 2008 , 99, 8598-604	11	47
18	Filtration model for suspensions that form filter cakes with creep behavior. <i>AIChE Journal</i> , 2007 , 53, 598-609	3.6	13
17	Creep effects in activated sludge filter cakes. <i>Powder Technology</i> , 2007 , 177, 23-33	5.2	15
16	Pressure and concentration profiles in filter cake consisting of core/shell latex particle. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2006 , 290, 295-303	5.1	10
15	Study of the compositional heterogeneity in poly(N-isopropylacrylamide-acrylic acid) microgels by potentiometric titration experiments. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005 , 252, 61-69	5.1	24
14	New approach to determining consolidation coefficients using cake-filtration experiments. <i>Powder Technology</i> , 2004 , 142, 98-102	5.2	16
13	Growth and proton exchange in recombinant Escherichia coli BL21. <i>Enzyme and Microbial Technology</i> , 2002 , 31, 566-574	3.8	19
12	Innovation in Animal Manure Management and Recycling343-356		
11	Bioenergy Production237-269		
10	Nutrient Leaching and Runoff from Land Application of Animal Manure and Measures for Reduction195-210		7
9	Technologies and Logistics for Handling, Transport and Distribution of Animal Manures211-236		2

8	Animal Manure Fertiliser Value, Crop Utilisation and Soil Quality Impacts295-328	26
7	Life Cycle Assessment of Manure Management Systems329-341	2
6	Animal Production and Animal Manure Management5-23	2
5	Regulations on Animal Manure Management25-40	5
4	Manure Organic Matter [Characteristics and Microbial Transformations67-90	7
3	Sanitation and Hygiene in Manure Management91-104	4
2	Solid-Liquid Separation of Animal Slurry105-130	4
1	Gaseous Emissions of Ammonia and Malodorous Gases131-151	5