Henrik R Andersen

List of Publications by Year in Descending Order

118 papers	6,200 citations	41 h-index	77 g-index
119 ext. papers	6,955 ext. citations	9.2 avg, IF	5.88 L-index

#	Paper	IF	Citations
118	Feasibility study on produced water oxidation as a pretreatment at offshore platform. *Chemical Engineering Research and Design*, **2022**, 160, 255-255	5.5	0
117	Disinfection of hospital-derived antibiotic-resistant bacteria at source using peracetic acid. *Journal of Water Process Engineering*, **2022**, 45, 102507	6.7	0
116	When microbial electrochemistry meets UV: The applicability to high-strength real pharmaceutical industry wastewater. *Journal of Hazardous Materials*, **2022**, 423, 127151	12.8	5
115	A modified nitrification inhibition test for high-salinity wastewater. *Chemical Engineering Journal*, **2022**, 429, 132460	14.7	1
114	Microbial bioremediation of produced water under different redox conditions in marine sediments. *Water Research X*, **2022**, 100142	8.1	
113	Microbial bioremediation of produced water under different redox conditions in marine sediments.. *Water Research*, **2022**, 218, 118428	12.5	0
112	Elimination of recalcitrant micropollutants by medium pressure UV-catalyzed bioelectrochemical advanced oxidation process: Influencing factors, transformation pathway and toxicity assessment.. *Science of the Total Environment*, **2022**, 154543	10.2	0
111	Sorption of 71 Pharmaceuticals to Powder Activated Carbon for Improved Wastewater Treatment. *Clean Technologies*, **2022**, 4, 296-308	3.4	
110	Engineered manganese redox cycling in anaerobic-aerobic MBBRs for utilisation of biogenic manganese oxides to efficiently remove micropollutants. *Chemical Engineering Journal*, **2022**, 136998	14.7	0
109	Efficient recovery of dissolved Fe(II) from near neutral pH Fenton via microbial electrolysis. *Journal of Hazardous Materials*, **2022**, 129196	12.8	0
108	Polishing micropollutants in municipal wastewater, using biogenic manganese oxides in a moving bed biofilm reactor (BioMn-MBBR). *Journal of Hazardous Materials*, **2021**, 127889	12.8	1
107	Synergy between ozonation and GAC filtration for chlorinated ethenes-contaminated groundwater treatment. *Journal of Water Process Engineering*, **2021**, 44, 102356	6.7	1
106	Ecotoxicity and biodegradation of the bacteriostatic 3,3′,4′,5-tetrachlorosalicylanilide (TSCA) compared to the structurally similar bactericide triclosan. *Science of the Total Environment*, **2021**, 769, 144960	10.2	1
105	Degradation of metoprolol from wastewater in a bio-electro-Fenton system. *Science of the Total Environment*, **2021**, 771, 145385	10.2	9
104	Impact of intermittent feeding on polishing of micropollutants by moving bed biofilm reactors (MBBR). *Journal of Hazardous Materials*, **2021**, 403, 123536	12.8	14
103	Natural fluorescence emission - an indirect measurement of applied ozone dosages to remove pharmaceuticals in biologically treated wastewater. *Environmental Technology (United Kingdom)*, **2021**, 42, 584-596	2.6	2
102	A novel persulfate-photo-bioelectrochemical hybrid system promoting the degradation of refractory micropollutants at neutral pH. *Journal of Hazardous Materials*, **2021**, 416, 125905	12.8	4

101	Cost-efficient microbial electrosynthesis of hydrogen peroxide on a facile-prepared floating electrode by entrapping oxygen. *Bioresource Technology*, **2021**, 342, 125995	11	0
100	Quantification of Hypochlorite in Water Using the Nutritional Food Additive Pyridoxamine. *Water (Switzerland)*, **2021**, 13, 3616	3	
99	Removal of Pharmaceuticals, Toxicity and Natural Fluorescence by Ozonation in Biologically Pre-Treated Municipal Wastewater, in Comparison to Subsequent Polishing Biofilm Reactors. *Water (Switzerland)*, **2020**, 12, 1059	3	1
98	Municipal wastewater treatment targeting pharmaceuticals by a pilot-scale hybrid attached biofilm and activated sludge system (Hybas). *Chemosphere*, **2020**, 259, 127397	8.4	9
97	Colorimetric Quantification Methods for Peracetic Acid together with Hydrogen Peroxide for Water Disinfection Process Control. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	6
96	Estimating dehalogenation reactivity of nanoscale zero-valent iron by simple colorimetric assay by way of 4-chlorophenol reduction. *Environmental Engineering Research*, **2020**, 25, 197-204	3.6	2
95	Regeneration of Fe(II) from Fenton-derived ferric sludge using a novel biocathode. *Bioresource Technology*, **2020**, 318, 124195	11	11
94	Ecotoxicity Evaluation of Pure Peracetic Acid (PAA) after Eliminating Hydrogen Peroxide from Commercial PAA. *International Journal of Environmental Research and Public Health*, **2020**, 17,	4.6	1
93	An innovative microbial electrochemical ultraviolet photolysis cell (MEUC) for efficient degradation of carbamazepine. *Water Research*, **2020**, 187, 116451	12.5	14
92	Effect of slow biodegradable substrate addition on biofilm structure and reactor performance in two MBBRs filled with different support media. *Environmental Technology (United Kingdom)*, **2020**, 41, 2750-2759	2.6	1
91	Degradation of pharmaceuticals from wastewater in a 20-L continuous flow bio-electro-Fenton (BEF) system. *Science of the Total Environment*, **2020**, 727, 138684	10.2	20
90	Acute toxicity and risk evaluation of the CSO disinfectants performic acid, peracetic acid, chlorine dioxide and their by-products hydrogen peroxide and chlorite. *Science of the Total Environment*, **2019**, 677, 1-8	10.2	17
89	Performance of secondary wastewater treatment methods for the removal of contaminants of emerging concern implicated in crop uptake and antibiotic resistance spread: A review. *Science of the Total Environment*, **2019**, 648, 1052-1081	10.2	227
88	Removal of micropollutants during biological phosphorus removal: Impact of redox conditions in MBBR. *Science of the Total Environment*, **2019**, 663, 496-506	10.2	31
87	Removal of pharmaceuticals, toxicity and natural fluorescence through the ozonation of biologically-treated hospital wastewater, with further polishing via a suspended biofilm. *Chemical Engineering Journal*, **2019**, 359, 321-330	14.7	35
86	Granular activated carbon with grafted nanoporous polymer enhances nanoscale zero-valent iron impregnation and water contaminant removal. *Chemical Engineering Journal*, **2018**, 339, 22-31	14.7	24
85	Ozonation control and effects of ozone on water quality in recirculating aquaculture systems. *Water Research*, **2018**, 133, 289-298	12.5	28
84	Bio-electro-Fenton process for the degradation of Non-Steroidal Anti-Inflammatory Drugs in wastewater. *Chemical Engineering Journal*, **2018**, 338, 401-410	14.7	59

83	Treatment of Arctic wastewater by chemical coagulation, UV and peracetic acid disinfection. *Environmental Science and Pollution Research*, **2018**, 25, 32851-32859	5.1	9
82	Biological removal of pharmaceuticals from hospital wastewater in a pilot-scale staged moving bed biofilm reactor (MBBR) utilising nitrifying and denitrifying processes. *Bioresource Technology*, **2018**, 267, 677-687	11	60
81	One-Pot Synthesis of Nanoscale Zero-Valent Iron Immobilized with Granular Activated Carbon. *International Journal of Environmental Research*, **2018**, 12, 725-734	2.9	1
80	Applicability of disulfide-polymer particles surface embedded on alginate beads for cadmium removal from airport derived stormwater. *Journal of Environmental Chemical Engineering*, **2018**, 6, 4124-4129	6.8	5
79	Improved DBP elimination from swimming pool water by continuous combined UV and ozone treatment. *Water Research*, **2018**, 147, 214-222	12.5	4
78	Disulfide polymer grafted porous carbon composites for heavy metal removal from stormwater runoff. *Chemical Engineering Journal*, **2018**, 348, 685-692	14.7	24
77	Novel pre-treatments to control bromate formation during ozonation. *Journal of Hazardous Materials*, **2017**, 323, 452-459	12.8	10
76	Influence of humic acid addition on the degradation of pharmaceuticals by biofilms in effluent wastewater. *International Journal of Hygiene and Environmental Health*, **2017**, 220, 604-610	6.9	31
75	Selective removal of heavy metal ions by disulfide linked polymer networks. *Journal of Hazardous Materials*, **2017**, 332, 140-148	12.8	70
74	Biodegradation testing of chemicals with high Henry's constants - Separating mass and effective concentration reveals higher rate constants. *Chemosphere*, **2017**, 174, 716-721	8.4	21
73	Transformation products of clindamycin in moving bed biofilm reactor (MBBR). *Water Research*, **2017**, 113, 139-148	12.5	24
72	Accelerated anaerobic hydrolysis rates under a combination of intermittent aeration and anaerobic conditions. *Water Science and Technology*, **2017**, 75, 1944-1951	2.2	5
71	Algal toxicity of the alternative disinfectants performic acid (PFA), peracetic acid (PAA), chlorine dioxide (ClO) and their by-products hydrogen peroxide (HO) and chlorite (ClO). *International Journal of Hygiene and Environmental Health*, **2017**, 220, 570-574	6.9	24
70	Diffusion and sorption of organic micropollutants in biofilms with varying thicknesses. *Water Research*, **2017**, 123, 388-400	12.5	57
69	Effect of medium-pressure UV-lamp treatment on disinfection by-products in chlorinated seawater swimming pool waters. *Science of the Total Environment*, **2017**, 599-600, 910-917	10.2	16
68	Removal of pharmaceuticals in conventionally treated wastewater by a polishing moving bed biofilm reactor (MBBR) with intermittent feeding. *Bioresource Technology*, **2017**, 236, 77-86	11	66
67	Removal efficiency and economic cost comparison of hydrated electron-mediated reductive pathways for treatment of bromate. *Chemical Engineering Journal*, **2017**, 320, 523-531	14.7	26
66	Combined UV treatment and ozonation for the removal of by-product precursors in swimming pool water. *Water Research*, **2017**, 110, 141-149	12.5	29

65	Use of fluorescence spectroscopy to control ozone dosage in recirculating aquaculture systems. *Water Research*, **2017**, 111, 357-365	12.5	17
64	Termination of nanoscale zero-valent iron reactivity by addition of bromate as a reducing reactivity competitor. *Journal of Nanoparticle Research*, **2017**, 19, 1	2.3	4
63	Covalent organic polymer functionalization of activated carbon surfaces through acyl chloride for environmental clean-up. *Chemical Engineering Journal*, **2017**, 309, 766-771	14.7	26
62	Hybrid Moving Bed Biofilm Reactor for the biodegradation of benzotriazoles and hydroxy-benzothiazole in wastewater. *Journal of Hazardous Materials*, **2017**, 323, 299-310	12.8	28
61	Evaluation of a membrane bioreactor system as post-treatment in waste water treatment for better removal of micropollutants. *Water Research*, **2016**, 107, 37-46	12.5	32
60	Ozonation for source treatment of pharmaceuticals in hospital wastewater □Ozone lifetime and required ozone dose. *Chemical Engineering Journal*, **2016**, 290, 507-514	14.7	82
59	Effect of ozonation of swimming pool water on formation of volatile disinfection by-products □A laboratory study. *Chemical Engineering Journal*, **2016**, 289, 277-285	14.7	17
58	Nanoporous networks as effective stabilisation matrices for nanoscale zero-valent iron and groundwater pollutant removal. *Journal of Materials Chemistry A*, **2016**, 4, 632-639	13	32
57	Graduated characterization method using a multi-well microplate for reducing reactivity of nanoscale zero valent iron materials. *Applied Catalysis B: Environmental*, **2016**, 181, 314-320	21.8	16
56	Optimization of Synthesis Condition for Nanoscale Zero Valent Iron Immobilization on Granular Activated Carbon. *Daehan Hwanjgyeong Gonghag Hoeji*, **2016**, 38, 521-527	0.6	
55	Combined Sewer Overflow pretreatment with chemical coagulation and a particle settler for improved peracetic acid disinfection. *Journal of Industrial and Engineering Chemistry*, **2016**, 37, 372-379	6.3	31
54	Using mechanisms of hydrolysis and sorption to reduce siloxanes occurrence in biogas of anaerobic sludge digesters. *Bioresource Technology*, **2016**, 221, 205-213	11	6
53	Removal of Antibiotics in Biological Wastewater Treatment Systems-A Critical Assessment Using the Activated Sludge Modeling Framework for Xenobiotics (ASM-X). *Environmental Science & Technology*, **2016**, 50, 10316-10334	10.3	106
52	Biofilm Thickness Influences Biodiversity in Nitrifying MBBRs-Implications on Micropollutant Removal. *Environmental Science & Technology*, **2016**, 50, 9279-88	10.3	94
51	Biodegradation of benzotriazoles and hydroxy-benzothiazole in wastewater by activated sludge and moving bed biofilm reactor systems. *Bioresource Technology*, **2015**, 192, 627-35	11	49
50	Sorption and biodegradation of selected benzotriazoles and hydroxybenzothiazole in activated sludge and estimation of their fate during wastewater treatment. *Chemosphere*, **2015**, 131, 117-23	8.4	41
49	Biodegradation of pharmaceuticals in hospital wastewater by staged Moving Bed Biofilm Reactors (MBBR). *Water Research*, **2015**, 83, 293-302	12.5	165
48	Full scale evaluation of combined sewer overflows disinfection using performic acid in a sea-outfall pipe. *Chemical Engineering Journal*, **2015**, 270, 133-139	14.7	21

47	Secondary formation of disinfection by-products by UV treatment of swimming pool water. *Science of the Total Environment*, **2015**, 520, 96-105	10.2	42
46	Simple colorimetric assay for dehalogenation reactivity of nanoscale zero-valent iron using 4-chlorophenol. *Applied Catalysis B: Environmental*, **2015**, 166-167, 18-24	21.8	25
45	Reductive degradation of perfluorinated compounds in water using Mg-aminoclay coated nanoscale zero valent iron. *Chemical Engineering Journal*, **2015**, 262, 133-139	14.7	85
44	Comparison of UVC/S2O8(2-) with UVC/H2O2 in terms of efficiency and cost for the removal of micropollutants from groundwater. *Chemosphere*, **2015**, 119 Suppl, S81-8	8.4	43
43	Biodegradation of pharmaceuticals in hospital wastewater by a hybrid biofilm and activated sludge system (Hybas). *Science of the Total Environment*, **2015**, 530-531, 383-392	10.2	70
42	Aquatic ecotoxicity effect of engineered aminoclay nanoparticles. *Ecotoxicology and Environmental Safety*, **2014**, 102, 34-41	7	20
41	Investigation of washing and storage strategy on aging of Mg-aminoclay (MgAC) coated nanoscale zero-valent iron (nZVI) particles. *Chemical Engineering Science*, **2014**, 119, 310-317	4.4	19
40	Aminoclay-templated nanoscale zero-valent iron (nZVI) synthesis for efficient harvesting of oleaginous microalga, Chlorella sp. KR-1. *RSC Advances*, **2014**, 4, 4122-4127	3.7	51
39	Sorption of Perfluorinated Compounds onto different types of sewage sludge and assessment of its importance during wastewater treatment. *Chemosphere*, **2014**, 111, 405-11	8.4	49
38	Chemical disinfection of combined sewer overflow waters using performic acid or peracetic acids. *Science of the Total Environment*, **2014**, 490, 1065-72	10.2	51
37	Removal of pharmaceuticals in WWTP effluents by ozone and hydrogen peroxide. *Water S A*, **2014**, 40, 165	1.3	19
36	Nanoscale zero-valent iron (nZVI) synthesis in a Mg-aminoclay solution exhibits increased stability and reactivity for reductive decontamination. *Applied Catalysis B: Environmental*, **2014**, 147, 748-755	21.8	55
35	Application of waterworks sludge in wastewater treatment plants. *International Journal of Environmental Science and Technology*, **2013**, 10, 1157-1166	3.3	9
34	Required ozone doses for removing pharmaceuticals from wastewater effluents. *Science of the Total Environment*, **2013**, 456-457, 42-9	10.2	92
33	Photolytic removal of DBPs by medium pressure UV in swimming pool water. *Science of the Total Environment*, **2013**, 443, 850-6	10.2	64
32	Identification and ecotoxicity of degradation products of chloroacetamide herbicides from UV-treatment of water. *Science of the Total Environment*, **2013**, 458-460, 527-34	10.2	35
31	Ecotoxicity of carbamazepine and its UV photolysis transformation products. *Science of the Total Environment*, **2013**, 443, 870-6	10.2	129
30	Optimal pH in chlorinated swimming pools - balancing formation of by-products. *Journal of Water and Health*, **2013**, 11, 465-72	2.2	26

29	HS-SPME-GC-MS analysis of antioxidant degradation products migrating to drinking water from PE materials and PEX pipes. *International Journal of Environmental Analytical Chemistry*, **2013**, 93, 593-612	1.8	6
28	Effect of pH on the formation of disinfection byproducts in swimming pool water--is less THM better?. *Water Research*, **2012**, 46, 6399-409	12.5	71
27	Evaluation of pretreatments for inhibiting bromate formation during ozonation. *Environmental Technology (United Kingdom)*, **2012**, 33, 1747-53	2.6	24
26	Impact of solid retention time and nitrification capacity on the ability of activated sludge to remove pharmaceuticals. *Environmental Technology (United Kingdom)*, **2012**, 33, 865-72	2.6	36
25	Suspended biofilm carrier and activated sludge removal of acidic pharmaceuticals. *Water Research*, **2012**, 46, 1167-75	12.5	133
24	Removal of pharmaceuticals in biologically treated wastewater by chlorine dioxide or peracetic acid. *Environmental Technology (United Kingdom)*, **2012**, 33, 1041-7	2.6	49
23	Oxidation of pharmaceuticals by chlorine dioxide in biologically treated wastewater. *Chemical Engineering Journal*, **2012**, 185-186, 236-242	14.7	48
22	Particles in swimming pool filters--does pH determine the DBP formation?. *Chemosphere*, **2012**, 87, 241-7	8.4	33
21	Fate of citalopram during water treatment with O3, ClO2, UV and Fenton oxidation. *Chemosphere*, **2012**, 89, 129-35	8.4	30
20	Occurrence and reduction of pharmaceuticals in the water phase at Swedish wastewater treatment plants. *Water Science and Technology*, **2012**, 66, 783-91	2.2	50
19	Energy Effectiveness of Direct UV and UV/H2O2Treatment of Estrogenic Chemicals in Biologically Treated Sewage. *International Journal of Photoenergy*, **2012**, 2012, 1-9	2.1	32
18	Determination of sorption of seventy-five pharmaceuticals in sewage sludge. *Water Research*, **2011**, 45, 4470-82	12.5	200
17	Endocrine potency of wastewater: contents of endocrine disrupting chemicals and effects measured by in vivo and in vitro assays. *Environmental Toxicology and Chemistry*, **2011**, 30, 413-26	3.8	57
16	Ozonation of estrogenic chemicals in biologically treated sewage. *Water Science and Technology*, **2010**, 62, 649-57	2.2	27
15	Inter-laboratory exercise on steroid estrogens in aqueous samples. *Environmental Pollution*, **2010**, 158, 658-62	9.3	17
14	Transport and fate of estrogenic hormones in slurry-treated soil monoliths. *Journal of Environmental Quality*, **2009**, 38, 955-64	3.4	28
13	Greywater pollution variability and loadings. *Ecological Engineering*, **2009**, 35, 661-669	3.9	85
12	Fate of carbamazepine during water treatment. *Environmental Science & Technology*, **2009**, 43, 6256-61	11.3	165

11	Substance Flow Analysis and Source Mapping of Chemical UV-filters. *Water, Air and Soil Pollution*, **2008**, 8, 473-484		5
10	Substance flow analysis of parabens in Denmark complemented with a survey of presence and frequency in various commodities. *Journal of Hazardous Materials*, **2008**, 156, 240-59	12.8	63
9	Estrogenic personal care products in a greywater reuse system. *Water Science and Technology*, **2007** , 56, 45-9	2.2	52
8	Irrigation of treated wastewater in Braunschweig, Germany: an option to remove pharmaceuticals and musk fragrances. *Chemosphere*, **2007**, 66, 894-904	8.4	319
7	Assessment of the importance of sorption for steroid estrogens removal during activated sludge treatment. *Chemosphere*, **2005**, 61, 139-46	8.4	146
6	Removal of estrogens in municipal wastewater treatment under aerobic and anaerobic conditions: consequences for plant optimization. *Environmental Science & Technology*, **2004**, 38, 3047-55	10.3	389
5	Fate of estrogens in a municipal sewage treatment plant. *Environmental Science & Technology*, **2003**, 37, 4021-6	10.3	452
4	Resveratrol, a polyphenolic phytoalexin present in red wine, enhances expression and activity of endothelial nitric oxide synthase. *Circulation*, **2002**, 106, 1652-8	16.7	544
3	Determination of estrogens in sludge and sediments by liquid extraction and GC/MS/MS. *Analytical Chemistry*, **2002**, 74, 3498-504	7.8	333
2	Development of copepod nauplii to copepodites parameter for chronic toxicity including endocrine disruption. *Environmental Toxicology and Chemistry*, **2001**, 20, 2821-2829	3.8	81
1	A parameter for detecting estrogenic exposure in the copepod Acartia tonsa. *Ecotoxicology and Environmental Safety*, **1999**, 44, 56-61	7	68