

Henrik R Andersen

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.

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	Resveratrol, a polyphenolic phytoalexin present in red wine, enhances expression and activity of endothelial nitric oxide synthase. <i>Circulation</i> , 2002 , 106, 1652-8	16.7	544
117	Fate of estrogens in a municipal sewage treatment plant. <i>Environmental Science & Technology</i> , 2003 , 37, 4021-6	10.3	452
116	Removal of estrogens in municipal wastewater treatment under aerobic and anaerobic conditions: consequences for plant optimization. <i>Environmental Science & Technology</i> , 2004 , 38, 3047-55	10.3	389
115	Determination of estrogens in sludge and sediments by liquid extraction and GC/MS/MS. <i>Analytical Chemistry</i> , 2002 , 74, 3498-504	7.8	333
114	Irrigation of treated wastewater in Braunschweig, Germany: an option to remove pharmaceuticals and musk fragrances. <i>Chemosphere</i> , 2007 , 66, 894-904	8.4	319
113	Performance of secondary wastewater treatment methods for the removal of contaminants of emerging concern implicated in crop uptake and antibiotic resistance spread: A review. <i>Science of the Total Environment</i> , 2019 , 648, 1052-1081	10.2	227
112	Determination of sorption of seventy-five pharmaceuticals in sewage sludge. <i>Water Research</i> , 2011 , 45, 4470-82	12.5	200
111	Biodegradation of pharmaceuticals in hospital wastewater by staged Moving Bed Biofilm Reactors (MBBR). <i>Water Research</i> , 2015 , 83, 293-302	12.5	165
110	Fate of carbamazepine during water treatment. <i>Environmental Science & Technology</i> , 2009 , 43, 6256-61	12.5	165
109	Assessment of the importance of sorption for steroid estrogens removal during activated sludge treatment. <i>Chemosphere</i> , 2005 , 61, 139-46	8.4	146
108	Suspended biofilm carrier and activated sludge removal of acidic pharmaceuticals. <i>Water Research</i> , 2012 , 46, 1167-75	12.5	133
107	Ecotoxicity of carbamazepine and its UV photolysis transformation products. <i>Science of the Total Environment</i> , 2013 , 443, 870-6	10.2	129
106	Removal of Antibiotics in Biological Wastewater Treatment Systems-A Critical Assessment Using the Activated Sludge Modeling Framework for Xenobiotics (ASM-X). <i>Environmental Science & Technology</i> , 2016 , 50, 10316-10334	10.3	106
105	Biofilm Thickness Influences Biodiversity in Nitrifying MBBRs-Implications on Micropollutant Removal. <i>Environmental Science & Technology</i> , 2016 , 50, 9279-88	10.3	94
104	Required ozone doses for removing pharmaceuticals from wastewater effluents. <i>Science of the Total Environment</i> , 2013 , 456-457, 42-9	10.2	92
103	Reductive degradation of perfluorinated compounds in water using Mg-aminoclay coated nanoscale zero valent iron. <i>Chemical Engineering Journal</i> , 2015 , 262, 133-139	14.7	85
102	Greywater pollution variability and loadings. <i>Ecological Engineering</i> , 2009 , 35, 661-669	3.9	85

101	Ozonation for source treatment of pharmaceuticals in hospital wastewater [Ozone lifetime and required ozone dose. <i>Chemical Engineering Journal</i> , 2016 , 290, 507-514	14.7	82
100	Development of copepod nauplii to copepodites parameter for chronic toxicity including endocrine disruption. <i>Environmental Toxicology and Chemistry</i> , 2001 , 20, 2821-2829	3.8	81
99	Effect of pH on the formation of disinfection byproducts in swimming pool water--is less THM better?. <i>Water Research</i> , 2012 , 46, 6399-409	12.5	71
98	Selective removal of heavy metal ions by disulfide linked polymer networks. <i>Journal of Hazardous Materials</i> , 2017 , 332, 140-148	12.8	70
97	Biodegradation of pharmaceuticals in hospital wastewater by a hybrid biofilm and activated sludge system (Hybas). <i>Science of the Total Environment</i> , 2015 , 530-531, 383-392	10.2	70
96	A parameter for detecting estrogenic exposure in the copepod <i>Acartia tonsa</i> . <i>Ecotoxicology and Environmental Safety</i> , 1999 , 44, 56-61	7	68
95	Removal of pharmaceuticals in conventionally treated wastewater by a polishing moving bed biofilm reactor (MBBR) with intermittent feeding. <i>Bioresource Technology</i> , 2017 , 236, 77-86	11	66
94	Photolytic removal of DBPs by medium pressure UV in swimming pool water. <i>Science of the Total Environment</i> , 2013 , 443, 850-6	10.2	64
93	Substance flow analysis of parabens in Denmark complemented with a survey of presence and frequency in various commodities. <i>Journal of Hazardous Materials</i> , 2008 , 156, 240-59	12.8	63
92	Biological removal of pharmaceuticals from hospital wastewater in a pilot-scale staged moving bed biofilm reactor (MBBR) utilising nitrifying and denitrifying processes. <i>Bioresource Technology</i> , 2018 , 267, 677-687	11	60
91	Bio-electro-Fenton process for the degradation of Non-Steroidal Anti-Inflammatory Drugs in wastewater. <i>Chemical Engineering Journal</i> , 2018 , 338, 401-410	14.7	59
90	Diffusion and sorption of organic micropollutants in biofilms with varying thicknesses. <i>Water Research</i> , 2017 , 123, 388-400	12.5	57
89	Endocrine potency of wastewater: contents of endocrine disrupting chemicals and effects measured by in vivo and in vitro assays. <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 413-26	3.8	57
88	Nanoscale zero-valent iron (nZVI) synthesis in a Mg-aminoclay solution exhibits increased stability and reactivity for reductive decontamination. <i>Applied Catalysis B: Environmental</i> , 2014 , 147, 748-755	21.8	55
87	Estrogenic personal care products in a greywater reuse system. <i>Water Science and Technology</i> , 2007 , 56, 45-9	2.2	52
86	Aminoclay-templated nanoscale zero-valent iron (nZVI) synthesis for efficient harvesting of oleaginous microalga, <i>Chlorella</i> sp. KR-1. <i>RSC Advances</i> , 2014 , 4, 4122-4127	3.7	51
85	Chemical disinfection of combined sewer overflow waters using performic acid or peracetic acids. <i>Science of the Total Environment</i> , 2014 , 490, 1065-72	10.2	51
84	Occurrence and reduction of pharmaceuticals in the water phase at Swedish wastewater treatment plants. <i>Water Science and Technology</i> , 2012 , 66, 783-91	2.2	50

83	Biodegradation of benzotriazoles and hydroxy-benzothiazole in wastewater by activated sludge and moving bed biofilm reactor systems. <i>Bioresource Technology</i> , 2015 , 192, 627-35	11	49
82	Sorption of Perfluorinated Compounds onto different types of sewage sludge and assessment of its importance during wastewater treatment. <i>Chemosphere</i> , 2014 , 111, 405-11	8.4	49
81	Removal of pharmaceuticals in biologically treated wastewater by chlorine dioxide or peracetic acid. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 1041-7	2.6	49
80	Oxidation of pharmaceuticals by chlorine dioxide in biologically treated wastewater. <i>Chemical Engineering Journal</i> , 2012 , 185-186, 236-242	14.7	48
79	Comparison of UVC/S2O8(2-) with UVC/H2O2 in terms of efficiency and cost for the removal of micropollutants from groundwater. <i>Chemosphere</i> , 2015 , 119 Suppl, S81-8	8.4	43
78	Secondary formation of disinfection by-products by UV treatment of swimming pool water. <i>Science of the Total Environment</i> , 2015 , 520, 96-105	10.2	42
77	Sorption and biodegradation of selected benzotriazoles and hydroxybenzothiazole in activated sludge and estimation of their fate during wastewater treatment. <i>Chemosphere</i> , 2015 , 131, 117-23	8.4	41
76	Impact of solid retention time and nitrification capacity on the ability of activated sludge to remove pharmaceuticals. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 865-72	2.6	36
75	Identification and ecotoxicity of degradation products of chloroacetamide herbicides from UV-treatment of water. <i>Science of the Total Environment</i> , 2013 , 458-460, 527-34	10.2	35
74	Removal of pharmaceuticals, toxicity and natural fluorescence through the ozonation of biologically-treated hospital wastewater, with further polishing via a suspended biofilm. <i>Chemical Engineering Journal</i> , 2019 , 359, 321-330	14.7	35
73	Particles in swimming pool filters--does pH determine the DBP formation?. <i>Chemosphere</i> , 2012 , 87, 241-8.4	8.4	33
72	Evaluation of a membrane bioreactor system as post-treatment in waste water treatment for better removal of micropollutants. <i>Water Research</i> , 2016 , 107, 37-46	12.5	32
71	Nanoporous networks as effective stabilisation matrices for nanoscale zero-valent iron and groundwater pollutant removal. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 632-639	13	32
70	Energy Effectiveness of Direct UV and UV/H2O2 Treatment of Estrogenic Chemicals in Biologically Treated Sewage. <i>International Journal of Photoenergy</i> , 2012 , 2012, 1-9	2.1	32
69	Influence of humic acid addition on the degradation of pharmaceuticals by biofilms in effluent wastewater. <i>International Journal of Hygiene and Environmental Health</i> , 2017 , 220, 604-610	6.9	31
68	Removal of micropollutants during biological phosphorus removal: Impact of redox conditions in MBBR. <i>Science of the Total Environment</i> , 2019 , 663, 496-506	10.2	31
67	Combined Sewer Overflow pretreatment with chemical coagulation and a particle settler for improved peracetic acid disinfection. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 37, 372-379	6.3	31
66	Fate of citalopram during water treatment with O3, ClO2, UV and Fenton oxidation. <i>Chemosphere</i> , 2012 , 89, 129-35	8.4	30

65	Combined UV treatment and ozonation for the removal of by-product precursors in swimming pool water. <i>Water Research</i> , 2017 , 110, 141-149	12.5	29
64	Ozonation control and effects of ozone on water quality in recirculating aquaculture systems. <i>Water Research</i> , 2018 , 133, 289-298	12.5	28
63	Hybrid Moving Bed Biofilm Reactor for the biodegradation of benzotriazoles and hydroxy-benzothiazole in wastewater. <i>Journal of Hazardous Materials</i> , 2017 , 323, 299-310	12.8	28
62	Transport and fate of estrogenic hormones in slurry-treated soil monoliths. <i>Journal of Environmental Quality</i> , 2009 , 38, 955-64	3.4	28
61	Ozonation of estrogenic chemicals in biologically treated sewage. <i>Water Science and Technology</i> , 2010 , 62, 649-57	2.2	27
60	Removal efficiency and economic cost comparison of hydrated electron-mediated reductive pathways for treatment of bromate. <i>Chemical Engineering Journal</i> , 2017 , 320, 523-531	14.7	26
59	Covalent organic polymer functionalization of activated carbon surfaces through acyl chloride for environmental clean-up. <i>Chemical Engineering Journal</i> , 2017 , 309, 766-771	14.7	26
58	Optimal pH in chlorinated swimming pools - balancing formation of by-products. <i>Journal of Water and Health</i> , 2013 , 11, 465-72	2.2	26
57	Simple colorimetric assay for dehalogenation reactivity of nanoscale zero-valent iron using 4-chlorophenol. <i>Applied Catalysis B: Environmental</i> , 2015 , 166-167, 18-24	21.8	25
56	Transformation products of clindamycin in moving bed biofilm reactor (MBBR). <i>Water Research</i> , 2017 , 113, 139-148	12.5	24
55	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). <i>International Journal of Hygiene and Environmental Health</i> , 2017 , 220, 570-574	6.9	24
54	Granular activated carbon with grafted nanoporous polymer enhances nanoscale zero-valent iron impregnation and water contaminant removal. <i>Chemical Engineering Journal</i> , 2018 , 339, 22-31	14.7	24
53	Evaluation of pretreatments for inhibiting bromate formation during ozonation. <i>Environmental Technology (United Kingdom)</i> , 2012 , 33, 1747-53	2.6	24
52	Disulfide polymer grafted porous carbon composites for heavy metal removal from stormwater runoff. <i>Chemical Engineering Journal</i> , 2018 , 348, 685-692	14.7	24
51	Biodegradation testing of chemicals with high Henry's constants - Separating mass and effective concentration reveals higher rate constants. <i>Chemosphere</i> , 2017 , 174, 716-721	8.4	21
50	Full scale evaluation of combined sewer overflows disinfection using performic acid in a sea-outfall pipe. <i>Chemical Engineering Journal</i> , 2015 , 270, 133-139	14.7	21
49	Aquatic ecotoxicity effect of engineered aminoclay nanoparticles. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 102, 34-41	7	20
48	Degradation of pharmaceuticals from wastewater in a 20-L continuous flow bio-electro-Fenton (BEF) system. <i>Science of the Total Environment</i> , 2020 , 727, 138684	10.2	20

47	Investigation of washing and storage strategy on aging of Mg-aminoclay (MgAC) coated nanoscale zero-valent iron (nZVI) particles. <i>Chemical Engineering Science</i> , 2014 , 119, 310-317	4.4	19
46	Removal of pharmaceuticals in WWTP effluents by ozone and hydrogen peroxide. <i>Water S A</i> , 2014 , 40, 165	1.3	19
45	Use of fluorescence spectroscopy to control ozone dosage in recirculating aquaculture systems. <i>Water Research</i> , 2017 , 111, 357-365	12.5	17
44	Acute toxicity and risk evaluation of the CSO disinfectants performic acid, peracetic acid, chlorine dioxide and their by-products hydrogen peroxide and chlorite. <i>Science of the Total Environment</i> , 2019 , 677, 1-8	10.2	17
43	Effect of ozonation of swimming pool water on formation of volatile disinfection by-products [A laboratory study]. <i>Chemical Engineering Journal</i> , 2016 , 289, 277-285	14.7	17
42	Inter-laboratory exercise on steroid estrogens in aqueous samples. <i>Environmental Pollution</i> , 2010 , 158, 658-62	9.3	17
41	Effect of medium-pressure UV-lamp treatment on disinfection by-products in chlorinated seawater swimming pool waters. <i>Science of the Total Environment</i> , 2017 , 599-600, 910-917	10.2	16
40	Graduated characterization method using a multi-well microplate for reducing reactivity of nanoscale zero valent iron materials. <i>Applied Catalysis B: Environmental</i> , 2016 , 181, 314-320	21.8	16
39	An innovative microbial electrochemical ultraviolet photolysis cell (MEUC) for efficient degradation of carbamazepine. <i>Water Research</i> , 2020 , 187, 116451	12.5	14
38	Impact of intermittent feeding on polishing of micropollutants by moving bed biofilm reactors (MBBR). <i>Journal of Hazardous Materials</i> , 2021 , 403, 123536	12.8	14
37	Regeneration of Fe(II) from Fenton-derived ferric sludge using a novel biocathode. <i>Bioresource Technology</i> , 2020 , 318, 124195	11	11
36	Novel pre-treatments to control bromate formation during ozonation. <i>Journal of Hazardous Materials</i> , 2017 , 323, 452-459	12.8	10
35	Municipal wastewater treatment targeting pharmaceuticals by a pilot-scale hybrid attached biofilm and activated sludge system (Hybas). <i>Chemosphere</i> , 2020 , 259, 127397	8.4	9
34	Treatment of Arctic wastewater by chemical coagulation, UV and peracetic acid disinfection. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 32851-32859	5.1	9
33	Application of waterworks sludge in wastewater treatment plants. <i>International Journal of Environmental Science and Technology</i> , 2013 , 10, 1157-1166	3.3	9
32	Degradation of metoprolol from wastewater in a bio-electro-Fenton system. <i>Science of the Total Environment</i> , 2021 , 771, 145385	10.2	9
31	Colorimetric Quantification Methods for Peracetic Acid together with Hydrogen Peroxide for Water Disinfection Process Control. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	6
30	HS-SPME-GC-MS analysis of antioxidant degradation products migrating to drinking water from PE materials and PEX pipes. <i>International Journal of Environmental Analytical Chemistry</i> , 2013 , 93, 593-612	1.8	6

29	Using mechanisms of hydrolysis and sorption to reduce siloxanes occurrence in biogas of anaerobic sludge digesters. <i>Bioresource Technology</i> , 2016 , 221, 205-213	11	6
28	Accelerated anaerobic hydrolysis rates under a combination of intermittent aeration and anaerobic conditions. <i>Water Science and Technology</i> , 2017 , 75, 1944-1951	2.2	5
27	Applicability of disulfide-polymer particles surface embedded on alginate beads for cadmium removal from airport derived stormwater. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 4124-4129	6.8	5
26	Substance Flow Analysis and Source Mapping of Chemical UV-filters. <i>Water, Air and Soil Pollution</i> , 2008 , 8, 473-484		5
25	When microbial electrochemistry meets UV: The applicability to high-strength real pharmaceutical industry wastewater. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127151	12.8	5
24	Termination of nanoscale zero-valent iron reactivity by addition of bromate as a reducing reactivity competitor. <i>Journal of Nanoparticle Research</i> , 2017 , 19, 1	2.3	4
23	Improved DBP elimination from swimming pool water by continuous combined UV and ozone treatment. <i>Water Research</i> , 2018 , 147, 214-222	12.5	4
22	A novel persulfate-photo-bioelectrochemical hybrid system promoting the degradation of refractory micropollutants at neutral pH. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125905	12.8	4
21	Estimating dehalogenation reactivity of nanoscale zero-valent iron by simple colorimetric assay by way of 4-chlorophenol reduction. <i>Environmental Engineering Research</i> , 2020 , 25, 197-204	3.6	2
20	Natural fluorescence emission - an indirect measurement of applied ozone dosages to remove pharmaceuticals in biologically treated wastewater. <i>Environmental Technology (United Kingdom)</i> , 2021 , 42, 584-596	2.6	2
19	Removal of Pharmaceuticals, Toxicity and Natural Fluorescence by Ozonation in Biologically Pre-Treated Municipal Wastewater, in Comparison to Subsequent Polishing Biofilm Reactors. <i>Water (Switzerland)</i> , 2020 , 12, 1059	3	1
18	One-Pot Synthesis of Nanoscale Zero-Valent Iron Immobilized with Granular Activated Carbon. <i>International Journal of Environmental Research</i> , 2018 , 12, 725-734	2.9	1
17	Polishing micropollutants in municipal wastewater, using biogenic manganese oxides in a moving bed biofilm reactor (BioMn-MBBR). <i>Journal of Hazardous Materials</i> , 2021 , 127889	12.8	1
16	Synergy between ozonation and GAC filtration for chlorinated ethenes-contaminated groundwater treatment. <i>Journal of Water Process Engineering</i> , 2021 , 44, 102356	6.7	1
15	Ecotoxicity Evaluation of Pure Peracetic Acid (PAA) after Eliminating Hydrogen Peroxide from Commercial PAA. <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	1
14	Ecotoxicity and biodegradation of the bacteriostatic 3,3',4,4'-tetrachlorosalicylanilide (TSCA) compared to the structurally similar bactericide triclosan. <i>Science of the Total Environment</i> , 2021 , 769, 144960	10.2	1
13	Effect of slow biodegradable substrate addition on biofilm structure and reactor performance in two MBBRs filled with different support media. <i>Environmental Technology (United Kingdom)</i> , 2020 , 41, 2750-2759	2.6	1
12	A modified nitrification inhibition test for high-salinity wastewater. <i>Chemical Engineering Journal</i> , 2022 , 429, 132460	14.7	1

11	Feasibility study on produced water oxidation as a pretreatment at offshore platform. <i>Chemical Engineering Research and Design</i> , 2022 , 160, 255-255	5.5	o
10	Disinfection of hospital-derived antibiotic-resistant bacteria at source using peracetic acid. <i>Journal of Water Process Engineering</i> , 2022 , 45, 102507	6.7	o
9	Cost-efficient microbial electrosynthesis of hydrogen peroxide on a facile-prepared floating electrode by entrapping oxygen. <i>Bioresource Technology</i> , 2021 , 342, 125995	11	o
8	Microbial bioremediation of produced water under different redox conditions in marine sediments.. <i>Water Research</i> , 2022 , 218, 118428	12.5	o
7	Elimination of recalcitrant micropollutants by medium pressure UV-catalyzed bioelectrochemical advanced oxidation process: Influencing factors, transformation pathway and toxicity assessment.. <i>Science of the Total Environment</i> , 2022 , 154543	10.2	o
6	Engineered manganese redox cycling in anaerobic-aerobic MBBRs for utilisation of biogenic manganese oxides to efficiently remove micropollutants. <i>Chemical Engineering Journal</i> , 2022 , 136998	14.7	o
5	Efficient recovery of dissolved Fe(II) from near neutral pH Fenton via microbial electrolysis. <i>Journal of Hazardous Materials</i> , 2022 , 129196	12.8	o
4	Optimization of Synthesis Condition for Nanoscale Zero Valent Iron Immobilization on Granular Activated Carbon. <i>Daehan Hwanjgyeong Gonghag Hoeji</i> , 2016 , 38, 521-527	0.6	
3	Microbial bioremediation of produced water under different redox conditions in marine sediments. <i>Water Research X</i> , 2022 , 100142	8.1	
2	Quantification of Hypochlorite in Water Using the Nutritional Food Additive Pyridoxamine. <i>Water (Switzerland)</i> , 2021 , 13, 3616	3	
1	Sorption of 71 Pharmaceuticals to Powder Activated Carbon for Improved Wastewater Treatment. <i>Clean Technologies</i> , 2022 , 4, 296-308	3-4	