

# Karl G Linden

## List of Publications by Year in descending order

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211  
papers

14,965  
citations

19657

61  
h-index

20358

116  
g-index

214  
all docs

214  
docs citations

214  
times ranked

11071  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of advanced oxidation processes for water and wastewater treatment – A critical review. <i>Water Research</i> , 2018, 139, 118-131.	11.3	1,891
2	Standardization of Methods for Fluence (UV Dose) Determination in Bench-Scale UV Experiments. <i>Journal of Environmental Engineering, ASCE</i> , 2003, 129, 209-215.	1.4	962
3	Degradation of Endocrine Disrupting Chemicals Bisphenol A, Ethinyl Estradiol, and Estradiol during UV Photolysis and Advanced Oxidation Processes. <i>Environmental Science &amp; Technology</i> , 2004, 38, 5476-5483.	10.0	505
4	Critical review of the science and sustainability of persulphate advanced oxidation processes. <i>Chemical Engineering Journal</i> , 2018, 338, 651-669.	12.7	461
5	Chlorine photolysis and subsequent OH radical production during UV treatment of chlorinated water. <i>Water Research</i> , 2007, 41, 2871-2878.	11.3	456
6	Comparison of the efficiency of OH radical formation during ozonation and the advanced oxidation processes O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> and UV/H <sub>2</sub> O <sub>2</sub> . <i>Water Research</i> , 2006, 40, 3695-3704.	11.3	407
7	Degradation of the pharmaceutical Metronidazole via UV, Fenton and photo-Fenton processes. <i>Chemosphere</i> , 2006, 63, 269-276.	8.2	297
8	Characterization of hydraulic fracturing flowback water in Colorado: Implications for water treatment. <i>Science of the Total Environment</i> , 2015, 512-513, 637-644.	8.0	283
9	UV Degradation Kinetics and Modeling of Pharmaceutical Compounds in Laboratory Grade and Surface Water via Direct and Indirect Photolysis at 254 nm. <i>Environmental Science &amp; Technology</i> , 2007, 41, 1682-1688.	10.0	268
10	Experimental and Model Comparisons of Low- and Medium-Pressure Hg Lamps for the Direct and H <sub>2</sub> O <sub>2</sub> Assisted UV Photodegradation of N-Nitrosodimethylamine in Simulated Drinking Water. <i>Environmental Science &amp; Technology</i> , 2003, 37, 1933-1940.	10.0	245
11	Evaluation of UV irradiation for photolytic and oxidative degradation of pharmaceutical compounds in water. <i>Water Research</i> , 2007, 41, 4413-4423.	11.3	233
12	Evaluating UV-C LED disinfection performance and investigating potential dual-wavelength synergy. <i>Water Research</i> , 2017, 109, 207-216.	11.3	224
13	Sunlight-mediated inactivation of health-relevant microorganisms in water: a review of mechanisms and modeling approaches. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1089-1122.	3.5	180
14	UV Disinfection of <i>Giardia lamblia</i> Cysts in Water. <i>Environmental Science &amp; Technology</i> , 2002, 36, 2519-2522.	10.0	179
15	Inactivation of <i>E. coli</i> , <i>B. subtilis</i> spores, and MS2, T4, and T7 phage using UV/H <sub>2</sub> O <sub>2</sub> advanced oxidation. <i>Journal of Hazardous Materials</i> , 2007, 146, 479-486.	12.4	171
16	Demonstration and evaluation of germicidal UV-LEDs for point-of-use water disinfection. <i>Journal of Water and Health</i> , 2010, 8, 479-486.	2.6	152
17	Low-Pressure UV Inactivation and DNA Repair Potential of <i>Cryptosporidium parvum</i> Oocysts. <i>Applied and Environmental Microbiology</i> , 2001, 67, 3029-3032.	3.1	147
18	Phototransformation of selected organophosphorus pesticides: Roles of hydroxyl and carbonate radicals. <i>Water Research</i> , 2010, 44, 3585-3594.	11.3	147

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19	UV/H <sub>2</sub> O <sub>2</sub> treatment of drinking water increases post-chlorination DBP formation. <i>Water Research</i> , 2010, 44, 3703-3713.	11.3	141
20	Enhanced Biodegradation of Carbamazepine after UV/H <sub>2</sub> O <sub>2</sub> Advanced Oxidation. <i>Environmental Science &amp; Technology</i> , 2012, 46, 6222-6227.	10.0	141
21	Degradation and by-product formation of diazinon in water during UV and UV/H <sub>2</sub> O <sub>2</sub> treatment. <i>Journal of Hazardous Materials</i> , 2006, 136, 553-559.	12.4	139
22	UV Disinfection of Adenoviruses: Molecular Indications of DNA Damage Efficiency. <i>Applied and Environmental Microbiology</i> , 2009, 75, 23-28.	3.1	136
23	Degradation of Antibiotic Activity during UV/H <sub>2</sub> O <sub>2</sub> Advanced Oxidation and Photolysis in Wastewater Effluent. <i>Environmental Science &amp; Technology</i> , 2013, 47, 13020-13030.	10.0	136
24	The role of effluent nitrate in trace organic chemical oxidation during UV disinfection. <i>Water Research</i> , 2012, 46, 5224-5234.	11.3	134
25	Impact of UV Disinfection Combined with Chlorination/Chloramination on the Formation of Halonitromethanes and Haloacetonitriles in Drinking Water. <i>Environmental Science &amp; Technology</i> , 2011, 45, 3657-3664.	10.0	132
26	Comparison of UV-Induced Inactivation and RNA Damage in MS2 Phage across the Germicidal UV Spectrum. <i>Applied and Environmental Microbiology</i> , 2016, 82, 1468-1474.	3.1	132
27	Removal of trace organic chemicals in wastewater effluent by UV/H <sub>2</sub> O <sub>2</sub> and UV/PDS. <i>Water Research</i> , 2018, 145, 487-497.	11.3	124
28	UV Photolysis of Nitrate: Effects of Natural Organic Matter and Dissolved Inorganic Carbon and Implications for UV Water Disinfection. <i>Environmental Science &amp; Technology</i> , 2001, 35, 2949-2955.	10.0	121
29	The ROH, UV Concept to Characterize and the Model UV/H <sub>2</sub> O <sub>2</sub> Process in Natural Waters. <i>Environmental Science &amp; Technology</i> , 2007, 41, 2548-2553.	10.0	121
30	Action spectra for validation of pathogen disinfection in medium-pressure ultraviolet (UV) systems. <i>Water Research</i> , 2015, 70, 27-37.	11.3	120
31	Induction of <i>Escherichia coli</i> and <i>Salmonella typhimurium</i> into the viable but nonculturable state following chlorination of wastewater. <i>Journal of Water and Health</i> , 2005, 3, 249-257.	2.6	118
32	Wavelength Dependent UV Inactivation and DNA Damage of Adenovirus as Measured by Cell Culture Infectivity and Long Range Quantitative PCR. <i>Environmental Science &amp; Technology</i> , 2014, 48, 591-598.	10.0	116
33	Temporal characterization of flowback and produced water quality from a hydraulically fractured oil and gas well. <i>Science of the Total Environment</i> , 2017, 596-597, 369-377.	8.0	115
34	Comparative disinfection efficiency of pulsed and continuous-wave UV irradiation technologies. <i>Water Research</i> , 2008, 42, 2975-2982.	11.3	112
35	Identifying the factors that influence the reactivity of effluent organic matter with hydroxyl radicals. <i>Water Research</i> , 2014, 50, 408-419.	11.3	111
36	Biological assessment of bisphenol A degradation in water following direct photolysis and UV advanced oxidation. <i>Chemosphere</i> , 2006, 65, 1094-1102.	8.2	108

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37	Spectral Sensitivity of <i>Bacillus subtilis</i> Spores and MS2 Coliphage for Validation Testing of Ultraviolet Reactors for Water Disinfection. <i>Environmental Science &amp; Technology</i> , 2005, 39, 7845-7852.	10.0	103
38	Production of Photo-oxidants by Dissolved Organic Matter During UV Water Treatment. <i>Environmental Science &amp; Technology</i> , 2013, 47, 11726-11733.	10.0	101
39	UV/H <sub>2</sub> O <sub>2</sub> process stability and pilot-scale validation for trace organic chemical removal from wastewater treatment plant effluents. <i>Water Research</i> , 2018, 136, 169-179.	11.3	99
40	Effect of UV treatment on DBP formation. <i>Journal - American Water Works Association</i> , 2010, 102, 100-113.	0.3	97
41	Enhanced UV Inactivation of Adenoviruses under Polychromatic UV Lamps. <i>Applied and Environmental Microbiology</i> , 2007, 73, 7571-7574.	3.1	94
42	Rethinking the Concepts of Fluence (<math>UV</math> Dose) and Fluence Rate: The Importance of Photon-based Units – A Systemic Review. <i>Photochemistry and Photobiology</i> , 2015, 91, 1252-1262.	2.5	94
43	The effect of inorganic precursors on disinfection byproduct formation during UV-chlorine/chloramine drinking water treatment. <i>Water Research</i> , 2012, 46, 4653-4664.	11.3	93
44	Degradation and byproduct formation of parathion in aqueous solutions by UV and UV/H <sub>2</sub> O <sub>2</sub> treatment. <i>Water Research</i> , 2008, 42, 4780-4790.	11.3	90
45	Can We Treat Hydraulic Fracturing Flowback with a Conventional Biological Process? The Case of Guar Gum. <i>Environmental Science and Technology Letters</i> , 2014, 1, 133-136.	8.7	88
46	Relationship between physiochemical properties, aggregation and u.v. inactivation of isolated indigenous spores in water. <i>Journal of Applied Microbiology</i> , 2005, 98, 351-363.	3.1	85
47	Aqueous photodegradation and toxicity of the polycyclic aromatic hydrocarbons fluorene, dibenzofuran, and dibenzothiophene. <i>Water Research</i> , 2007, 41, 853-861.	11.3	85
48	Estimating Effective Germicidal Dose from Medium Pressure UV Lamps. <i>Journal of Environmental Engineering, ASCE</i> , 1997, 123, 1142-1149.	1.4	83
49	UV Inactivation of SARS-CoV-2 across the UVC Spectrum: KrCl* Excimer, Mercury-Vapor, and Light-Emitting-Diode (LED) Sources. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0153221.	3.1	82
50	Advanced Oxidation Kinetics of Aqueous Trialkyl Phosphate Flame Retardants and Plasticizers. <i>Environmental Science &amp; Technology</i> , 2009, 43, 2937-2942.	10.0	81
51	Destruction of estrogenic activity in water using UV advanced oxidation. <i>Science of the Total Environment</i> , 2007, 377, 105-113.	8.0	80
52	Molecular Indications of Protein Damage in Adenoviruses after UV Disinfection. <i>Applied and Environmental Microbiology</i> , 2011, 77, 1145-1147.	3.1	79
53	Inactivation of murine norovirus, feline calicivirus and echovirus 12 as surrogates for human norovirus (NoV) and coliphage (F+) MS2 by ultraviolet light (254nm) and the effect of cell association on UV inactivation. <i>Letters in Applied Microbiology</i> , 2011, 52, 162-167.	2.2	77
54	Wavelength-Dependent Damage to Adenoviral Proteins Across the Germicidal UV Spectrum. <i>Environmental Science &amp; Technology</i> , 2018, 52, 223-229.	10.0	75

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55	Polychromatic UV Fluence Measurement Using Chemical Actinometry, Biodosimetry, and Mathematical Techniques. <i>Journal of Environmental Engineering, ASCE</i> , 2006, 132, 831-841.	1.4	74
56	Hydraulic fracturing wastewater treatment by coagulation-adsorption for removal of organic compounds and turbidity. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1978-1984.	6.7	72
57	Identification of polypropylene glycols and polyethylene glycol carboxylates in flowback and produced water from hydraulic fracturing. <i>Journal of Hazardous Materials</i> , 2017, 323, 11-17.	12.4	68
58	UV and UV/H <sub>2</sub> O <sub>2</sub> treatment of methylisoborneol (MIB) and geosmin in water. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2005, 54, 423-434.	1.4	65
59	Evaluation of alternative fluence rate distribution models. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2004, 53, 391-408.	1.4	64
60	Biological assessments of a mixture of endocrine disruptors at environmentally relevant concentrations in water following UV/H <sub>2</sub> O <sub>2</sub> oxidation. <i>Science of the Total Environment</i> , 2007, 376, 18-26.	8.0	64
61	Photoreactivation of bacteriophages after UV disinfection: Role of genome structure and impacts of UV source. <i>Water Research</i> , 2014, 55, 143-149.	11.3	64
62	How particles affect UV light in the UV Disinfection of Unfiltered Drinking Water. <i>Journal - American Water Works Association</i> , 2003, 95, 179-189.	0.3	62
63	Alternative Approaches to Modeling Fluence Distribution and Microbial Inactivation in Ultraviolet Reactors: Lagrangian versus Eulerian. <i>Journal of Environmental Engineering, ASCE</i> , 2005, 131, 1393-1403.	1.4	61
64	UV disinfection implementation status in US water treatment plants. <i>Journal - American Water Works Association</i> , 2012, 104, E318.	0.3	61
65	Inactivation of Coronaviruses and Phage Phi6 from Irradiation across UVC Wavelengths. <i>Environmental Science and Technology Letters</i> , 2021, 8, 425-430.	8.7	59
66	Comparative OH radical oxidation using UV-Cl <sub>2</sub> and UV-H <sub>2</sub> O <sub>2</sub> processes. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2007, 56, 469-477.	1.4	58
67	Comparison of ultraviolet light-emitting diodes and low-pressure mercury-arc lamps for disinfection of water. <i>Environmental Technology (United Kingdom)</i> , 2016, 37, 2183-2188.	2.2	58
68	Organic Chemical Characterization and Mass Balance of a Hydraulically Fractured Well: From Fracturing Fluid to Produced Water over 405 Days. <i>Environmental Science &amp; Technology</i> , 2017, 51, 14006-14015.	10.0	57
69	Inactivation of adenovirus using low-dose UV/H <sub>2</sub> O <sub>2</sub> advanced oxidation. <i>Water Research</i> , 2012, 46, 6273-6278.	11.3	56
70	Dimer formation during UV photolysis of diclofenac. <i>Chemosphere</i> , 2013, 93, 1948-1956.	8.2	56
71	Numerical simulation of UV disinfection reactors: Evaluation of alternative turbulence models. <i>Applied Mathematical Modelling</i> , 2007, 31, 1753-1769.	4.2	54
72	Ultraviolet and Chlorine Disinfection of Mycobacterium in Wastewater: Effect of Aggregation. <i>Water Environment Research</i> , 2006, 78, 565-571.	2.7	52

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73	Photolysis, oxidation and subsequent toxicity of a mixture of polycyclic aromatic hydrocarbons in natural waters. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 187, 186-195.	3.9	52
74	Impact of hydrogen peroxide on nitrite formation during UV disinfection. <i>Water Research</i> , 2003, 37, 4730-4736.	11.3	50
75	Thinking Outside the Treatment Plant: UV for Water Distribution System Disinfection. <i>Accounts of Chemical Research</i> , 2019, 52, 1226-1233.	15.6	50
76	Pulsed and continuous light UV LED: microbial inactivation, electrical, and time efficiency. <i>Water Research</i> , 2019, 165, 114965.	11.3	49
77	Synergy of MS2 disinfection by sequential exposure to tailored UV wavelengths. <i>Water Research</i> , 2018, 143, 292-300.	11.3	47
78	Photooxidation and subsequent biodegradability of recalcitrant tri-alkyl phosphates TCEP and TBP in water. <i>Water Research</i> , 2008, 42, 4949-4954.	11.3	45
79	Pulsed UV lamp performance and comparison with UV mercury lamps. <i>Journal of Environmental Engineering and Science</i> , 2007, 6, 303-310.	0.8	44
80	Long-range quantitative PCR for determining inactivation of adenovirus 2 by ultraviolet light. <i>Journal of Applied Microbiology</i> , 2013, 114, 1854-1865.	3.1	44
81	Low-energy hydraulic fracturing wastewater treatment via AC powered electrocoagulation with biochar. <i>Journal of Hazardous Materials</i> , 2016, 309, 180-184.	12.4	44
82	Relative Rate Constants of Contaminant Candidate List Pesticides with Hydroxyl Radicals. <i>Environmental Science &amp; Technology</i> , 2006, 40, 4460-4466.	10.0	43
83	Photodegradation of Metolachlor Applying UV and UV/H <sub>2</sub> O <sub>2</sub> . <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 4059-4065.	5.2	43
84	Transformation of Contaminant Candidate List (CCL3) compounds during ozonation and advanced oxidation processes in drinking water: Assessment of biological effects. <i>Water Research</i> , 2016, 93, 110-120.	11.3	43
85	Effect of UV Irradiation on Organic Matter Extracted from Treated Ohio River Water Studied through the Use of Electrospray Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2002, 36, 5252-5260.	10.0	42
86	Nitrate photosensitized degradation of atrazine during UV water treatment. <i>Aquatic Sciences</i> , 2003, 65, 359-366.	1.5	42
87	UV disinfection of indigenous aerobic spores: implications for UV reactor validation in unfiltered waters. <i>Water Research</i> , 2004, 38, 2898-2906.	11.3	42
88	Treatment of Volatile Organic Chemicals on the EPA Contaminant Candidate List Using Ozonation and the O <sub>3</sub> /H <sub>2</sub> O <sub>2</sub> Advanced Oxidation Process. <i>Environmental Science &amp; Technology</i> , 2006, 40, 2734-2739.	10.0	42
89	Low pressure ultraviolet inactivation of pathogenic enteric viruses and bacteriophages. <i>Journal of Environmental Engineering and Science</i> , 2005, 4, S7-S11.	0.8	41
90	Far UV-C radiation: An emerging tool for pandemic control. <i>Critical Reviews in Environmental Science and Technology</i> , 2023, 53, 733-753.	12.8	41

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91	Ultraviolet disinfection of marginal effluents: determining ultraviolet absorbance and subsequent estimation of ultraviolet intensity. <i>Water Environment Research</i> , 1998, 70, 214-223.	2.7	40
92	Evaluation of Hydrogen Peroxide Chemical Quenching Agents following an Advanced Oxidation Process. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 137-140.	1.4	40
93	UV Inactivation of <i>Cryptosporidium hominis</i> as Measured in Cell Culture. <i>Applied and Environmental Microbiology</i> , 2005, 71, 2800-2802.	3.1	39
94	Reactions of thiocarbamate, triazine and urea herbicides, RDX and benzenes on EPA Contaminant Candidate List with ozone and with hydroxyl radicals. <i>Water Research</i> , 2008, 42, 137-144.	11.3	39
95	Application of Metabolite Profiling Tools and Time-of-Flight Mass Spectrometry in the Identification of Transformation Products of Iopromide and Iopamidol during Advanced Oxidation. <i>Environmental Science &amp; Technology</i> , 2015, 49, 2983-2990.	10.0	39
96	Standardizing photoreactivation: Comparison of DNA photorepair rate in <i>Escherichia coli</i> using four different fluorescent lamps. <i>Water Research</i> , 2007, 41, 2832-2838.	11.3	38
97	Re-Engineering an Artificial Sweetener: Transforming Sucralose Residuals in Water via Advanced Oxidation. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6799-6805.	10.0	38
98	Demonstrating sucralose as a monitor of full-scale UV/AOP treatment of trace organic compounds. <i>Journal of Hazardous Materials</i> , 2014, 280, 104-110.	12.4	38
99	Evaluation of DNA damage reversal during medium-pressure UV disinfection. <i>Water Research</i> , 2014, 56, 181-189.	11.3	38
100	UV Disinfection of Adenovirus: Present State of the Research and Future Directions. <i>Critical Reviews in Environmental Science and Technology</i> , 2011, 41, 1375-1396.	12.8	37
101	Ultraviolet light inactivation of protozoa in drinking water: a Bayesian meta-analysis. <i>Water Research</i> , 2004, 38, 317-326.	11.3	36
102	Degradation pathways of lamotrigine under advanced treatment by direct UV photolysis, hydroxyl radicals, and ozone. <i>Chemosphere</i> , 2014, 117, 316-323.	8.2	36
103	Low levels of iron enhance UV/H <sub>2</sub> O <sub>2</sub> efficiency at neutral pH. <i>Water Research</i> , 2018, 130, 234-242.	11.3	36
104	Succession of toxicity and microbiota in hydraulic fracturing flowback and produced water in the Denver-Julesburg Basin. <i>Science of the Total Environment</i> , 2018, 644, 183-192.	8.0	35
105	Assessment of DNA damage and repair in <i>Mycobacterium terrae</i> after exposure to UV irradiation. <i>Journal of Applied Microbiology</i> , 2006, 101, 995-1001.	3.1	34
106	Application of a lyotropic liquid crystal nanofiltration membrane for hydraulic fracturing flowback water: Selectivity and implications for treatment. <i>Journal of Membrane Science</i> , 2017, 543, 319-327.	8.2	34
107	UV/H <sub>2</sub> O <sub>2</sub> degradation of endocrine-disrupting chemicals in water evaluated via toxicity assays. <i>Water Science and Technology</i> , 2007, 55, 313-319.	2.5	33
108	Determining the viability response of pine pollen to atmospheric conditions during long-distance dispersal. <i>Ecological Applications</i> , 2009, 19, 656-667.	3.8	33

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109	System Approaches to Water, Sanitation, and Hygiene: A Systematic Literature Review. International Journal of Environmental Research and Public Health, 2020, 17, 702.	2.6	33
110	Establishing Surrogateâ€“Virus Relationships for Ozone Disinfection of Wastewater. Environmental Engineering Science, 2015, 32, 451-460.	1.6	32
111	Demonstrating organic contaminant removal in an ozone-based water reuse process at full scale. Environmental Science: Water Research and Technology, 2016, 2, 213-222.	2.4	32
112	UV/H2O2 advanced oxidation for abatement of organophosphorous pesticides and the effects on various toxicity screening assays. Chemosphere, 2017, 182, 477-482.	8.2	32
113	Pyrolysis of human feces: Gas yield analysis and kinetic modeling. Waste Management, 2018, 79, 214-222.	7.4	31
114	A qualitative comparative analysis of well-managed school sanitation in Bangladesh. BMC Public Health, 2014, 14, 6.	2.9	30
115	Biodegradability of iopromide products after UV/H2O2 advanced oxidation. Chemosphere, 2016, 144, 989-994.	8.2	30
116	Identifying pathways to continued maintenance of school sanitation in Belize. Journal of Water Sanitation and Hygiene for Development, 2013, 3, 411-422.	1.8	29
117	Evaluating Water Quality Effects on UV Disinfection of MS2 Coliphage. Journal - American Water Works Association, 2004, 96, 75-87.	0.3	28
118	Simultaneous atrazine degradation and <i>E. coli</i> inactivation by simulated solar photo-Fenton-like process using persulfate. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 849-855.	1.7	27
119	UV disinfection of chlorinated water: impact on chlorine concentration and UV dose delivery. Journal of Water Supply: Research and Technology - AQUA, 2005, 54, 189-199.	1.4	26
120	Impact of Particle Aggregated Microbes on UV Disinfection. I: Evaluation of Sporeâ€“Clay Aggregates and Suspended Spores. Journal of Environmental Engineering, ASCE, 2006, 132, 596-606.	1.4	26
121	Experimental Measurements of Fluence Distribution in a UV Reactor Using Fluorescent Microspheres. Environmental Science & Technology, 2005, 39, 8925-8930.	10.0	25
122	Disinfection Methods for Treating Low TOC, Light Graywater to California Title 22 Water Reuse Standards. Journal of Environmental Engineering, ASCE, 2013, 139, 1137-1145.	1.4	25
123	Impact of lamp shadowing and reflection on the fluence rate distribution in a multiple low-pressure UV lamp array. Water Research, 2005, 39, 2711-2721.	11.3	24
124	Effect of particles on ultraviolet light penetration in natural and engineered systems. Applied Optics, 2006, 45, 1844.	2.1	24
125	Hydroxyl radical rate constants: comparing UV/H2O2 and pulse radiolysis for environmental pollutants. Journal of Water Supply: Research and Technology - AQUA, 2008, 57, 391-401.	1.4	24
126	Suggested Reporting Parameters for Investigations of Wastewater from Unconventional Shale Gas Extraction. Environmental Science & Technology, 2013, 47, 13220-13221.	10.0	24



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127	Enhanced effectiveness of medium-pressure ultraviolet lamps on human adenovirus 2 and its possible mechanism. <i>Water Science and Technology</i> , 2009, 60, 851-857.	2.5	23
128	Efficacy of Inactivation of Human Enteroviruses by Dual-Wavelength Germicidal Ultraviolet (UV-C) Light Emitting Diodes (LEDs). <i>Water (Switzerland)</i> , 2019, 11, 1131.	2.7	23
129	Photodegradation of 3,5,6-trichloro-2-pyridinol in aqueous solution. <i>Water, Air, and Soil Pollution</i> , 2005, 168, 145-155.	2.4	22
130	Ultraviolet and Pulsed Light Processing of Fluid Foods. , 2012, , 185-223.		22
131	Investigating Multibarrier Inactivation for Cinnamyl UV, By-products, and Biostability. <i>Journal - American Water Works Association</i> , 2004, 96, 114-127.	0.3	20
132	Algal DNA Repair Kinetics Support Culture-Based Enumeration for Validation of Ultraviolet Disinfection Ballast Water Treatment Systems. <i>Environmental Science and Technology Letters</i> , 2017, 4, 192-196.	8.7	20
133	Nitrate with benefits: optimizing radical production during UV water treatment. <i>Environmental Science: Water Research and Technology</i> , 2020, 6, 1163-1175.	2.4	19
134	Opportunities and Challenges for Industrial Water Treatment and Reuse. <i>ACS ES&amp;T Engineering</i> , 2022, 2, 465-488.	7.6	19
135	Comparisons of polychromatic and monochromatic UV-based treatments of bisphenol-A in water via toxicity assessments. <i>Chemosphere</i> , 2007, 68, 1041-1049.	8.2	18
136	Life Cycle Environmental Impacts of Disinfection Technologies Used in Small Drinking Water Systems. <i>Environmental Science &amp; Technology</i> , 2018, 52, 2998-3007.	10.0	18
137	Assessing the efficacy of group model building workshops in an applied setting through purposive text analysis. <i>System Dynamics Review</i> , 2020, 36, 135-157.	1.9	18
138	Understanding Rural Water Services as a Complex System: An Assessment of Key Factors as Potential Leverage Points for Improved Service Sustainability. <i>Sustainability</i> , 2020, 12, 1243.	3.2	18
139	Ultraviolet Photolysis of Chlorpyrifos: Developmental Neurotoxicity Modeled in PC12 Cells. <i>Environmental Health Perspectives</i> , 2009, 117, 338-343.	6.0	17
140	Factors Influencing Revenue Collection for Preventative Maintenance of Community Water Systems: A Fuzzy-Set Qualitative Comparative Analysis. <i>Sustainability</i> , 2019, 11, 3726.	3.2	17
141	Reducing drought emergencies in the Horn of Africa. <i>Science of the Total Environment</i> , 2020, 727, 138772.	8.0	17
142	Assessment of Reduction Equivalent Fluence Bias Using Computational Fluid Dynamics. <i>Environmental Engineering Science</i> , 2005, 22, 615-628.	1.6	16
143	Household Water, Sanitation, and Hygiene Practices Impact Pathogen Exposure in Remote, Rural, Unpipid Communities. <i>Environmental Engineering Science</i> , 2021, 38, 355-366.	1.6	16
144	Demonstrating 4-log adenovirus inactivation in a medium-pressure UV disinfection reactor. <i>Journal - American Water Works Association</i> , 2009, 101, 90-99.	0.3	15

#	ARTICLE	IF	CITATIONS
145	Improving UV/H <sub>2</sub> O <sub>2</sub> performance following tertiary treatment of municipal wastewater. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1321-1330.	2.4	15
146	Identification of Proprietary Amino Ethoxylates in Hydraulic Fracturing Wastewater Using Liquid Chromatography/Time-of-Flight Mass Spectrometry with Solid-Phase Extraction. <i>Analytical Chemistry</i> , 2018, 90, 10927-10934.	6.5	15
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