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	Far UV-C radiation: An emerging tool for pandemic control. Critical Reviews in Environmental Science and Technology, 2023, 53, 733-753.	12.8	41
2	Pathways for collaboratively strengthening water and sanitation systems. Science of the Total Environment, 2022, 802, 149854.	8.0	12
3	Mine Water Use, Treatment, and Reuse in the United States: A Look at Current Industry Practices and Select Case Studies. ACS ES&T Engineering, 2022, 2, 391-408.	7.6	9
4	Opportunities and Challenges for Industrial Water Treatment and Reuse. ACS ES&T Engineering, 2022, 2, 465-488.	7.6	19
5	Pathways to consumer demand and payment for professional rural water infrastructure maintenance across low-income contexts. Science of the Total Environment, 2022, 815, 152906.	8.0	6
6	Aligning learning objectives and approaches in global engineering graduate programs: Review and recommendations by an interdisciplinary working group. Development Engineering, 2022, 7, 100095.	1.8	6
7	Pathways for securing government commitment for activities of collaborative approaches. Journal of Water Sanitation and Hygiene for Development, 2022, 12, 258-270.	1.8	0
8	Institutional influences on local government support for professionalized maintenance of water supply infrastructure in rural Uganda: A qualitative analysis. , 2022, 1, e0000003.		3
9	Inactivation of biofilm-bound bacterial cells using irradiation across UVC wavelengths. Water Research, 2022, 217, 118379.	11.3	15
10	Sector Perspectives on the Attributes of System Approaches to Water, Sanitation, and Hygiene Service Delivery. Journal of Environmental Engineering, ASCE, 2022, 148, .	1.4	6
11	UV inactivation of sewage isolated human adenovirus. Water Research, 2022, 218, 118496.	11.3	7
12	Ozonation greatly improves ceramic membrane microfiltration efficiency during wastewater reuse: mechanisms and performance. Environmental Science: Water Research and Technology, 2022, 8, 1535-1546.	2.4	2
13	Determinants of rural hand-pump functionality through maintenance provision in the Central African Republic. , 2022, 1, e0000024.		1
14	Household Water, Sanitation, and Hygiene Practices Impact Pathogen Exposure in Remote, Rural, Unpiped Communities. Environmental Engineering Science, 2021, 38, 355-366.	1.6	16
15	Assessment of UV Disinfection and Advanced Oxidation Processes for Treatment and Reuse of Hydraulic Fracturing Produced Water. ACS ES&T Engineering, 2021, 1, 490-500.	7.6	9
16	Inactivation of Coronaviruses and Phage Phi6 from Irradiation across UVC Wavelengths. Environmental Science and Technology Letters, 2021, 8, 425-430.	8.7	59
17	Aerobic biological degradation of organic matter and fracturing fluid additives in high salinity hydraulic fracturing wastewaters. Science of the Total Environment, 2021, 758, 143622.	8.0	13
18	Solar Thermal Processing to Disinfect Human Waste. Sustainability, 2021, 13, 4935.	3.2	4

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19	Reaching those left behind: knowledge gaps, challenges, and approaches to achieving SDG 6 in high-income countries. Journal of Water Sanitation and Hygiene for Development, 2021, 11, 849-858.	1.8	12
20	Sunlight-Transmitting Photocatalytic Membrane for Reduced Maintenance Water Treatment. ACS ES&T Water, 2021, 1, 2001-2011.	4.6	7
21	Pathways to the successful function and use of mid-tech household water and sanitation systems. Journal of Water Sanitation and Hygiene for Development, 2021, 11, 994-1005.	1.8	1
22	UV Inactivation of SARS-CoV-2 across the UVC Spectrum: KrCl* Excimer, Mercury-Vapor, and Light-Emitting-Diode (LED) Sources. Applied and Environmental Microbiology, 2021, 87, e0153221.	3.1	82
23	Development of a separation framework for effects-based targeted and non-targeted toxicological screening of water and wastewater. Water Research, 2020, 170, 115289.	11.3	12
24	Methodology for selection of optical parameters as wastewater effluent organic matter surrogates. Water Research, 2020, 170, 115321.	11.3	15
25	Assessing the efficacy of group model building workshops in an applied setting through purposive text analysis. System Dynamics Review, 2020, 36, 135-157.	1.9	18
26	Monitoring Methods for Systems-Strengthening Activities Toward Sustainable Water and Sanitation Services in Low-Income Settings. Sustainability, 2020, 12, 7044.	3.2	14
27	Reducing drought emergencies in the Horn of Africa. Science of the Total Environment, 2020, 727, 138772.	8.0	17
28	Nitrate with benefits: optimizing radical production during UV water treatment. Environmental Science: Water Research and Technology, 2020, 6, 1163-1175.	2.4	19
29	Factors impacting electrocoagulation treatment of hydraulic fracturing fluids and removal of common fluid additives and scaling ions. Journal of Environmental Chemical Engineering, 2020, 8, 103728.	6.7	3
30	Understanding Rural Water Services as a Complex System: An Assessment of Key Factors as Potential Leverage Points for Improved Service Sustainability. Sustainability, 2020, 12, 1243.	3.2	18
31	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
32	Adapting Collaborative Approaches for Service Provision to Low-Income Countries: Expert Panel Results. Sustainability, 2020, 12, 2612.	3.2	9
33	EES/AEESP Moving Forward!. Environmental Engineering Science, 2020, 37, 1-2.	1.6	1
34	Desalting and Concentration of Common Hydraulic Fracturing Fluid Additives and their Metabolites with Solid-Phase Extraction. Journal of Chromatography A, 2020, 1622, 461094.	3.7	8
35	Pulsed and continuous light UV LED: microbial inactivation, electrical, and time efficiency. Water Research, 2019, 165, 114965.	11.3	49
36	Factors Influencing Revenue Collection for Preventative Maintenance of Community Water Systems: A Fuzzy-Set Qualitative Comparative Analysis. Sustainability, 2019, 11, 3726.	3.2	17

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37	Standardization of a UV LED Peak Wavelength, Emission Spectrum, and Irradiance Measurement and Comparison Protocol. Environmental Science & Technology, 2019, 53, 9755-9763.	10.0	6
38	UV LED water disinfection: Validation and small system demonstration study. AWWA Water Science, 2019, 1, e1148.	2.1	14
39	A cost-benefit analysis of livelihood, environmental and health benefits of a large scale water filter and cookstove distribution in Rwanda. Development Engineering, 2019, 4, 100043.	1.8	10
40	Rainwater catchments in rural Alaska have the potential to produce high-quality water and high quantities of water for household use. Journal of Water and Health, 2019, 17, 788-800.	2.6	9
41	Emerging Water Technologies: Global Pressures Force Innovation toward Drinking Water Availability and Quality. Accounts of Chemical Research, 2019, 52, 1146-1147.	15.6	13
42	Efficacy of Inactivation of Human Enteroviruses by Dual-Wavelength Germicidal Ultraviolet (UV-C) Light Emitting Diodes (LEDs). Water (Switzerland), 2019, 11, 1131.	2.7	23
43	Thinking Outside the Treatment Plant: UV for Water Distribution System Disinfection. Accounts of Chemical Research, 2019, 52, 1226-1233.	15.6	50
44	UV/H2O2 process stability and pilot-scale validation for trace organic chemical removal from wastewater treatment plant effluents. Water Research, 2018, 136, 169-179.	11.3	99
45	Life Cycle Environmental Impacts of Disinfection Technologies Used in Small Drinking Water Systems. Environmental Science & Technology, 2018, 52, 2998-3007.	10.0	18
46	Wavelength-Dependent Damage to Adenoviral Proteins Across the Germicidal UV Spectrum. Environmental Science & Technology, 2018, 52, 223-229.	10.0	75
47	Critical review of the science and sustainability of persulphate advanced oxidation processes. Chemical Engineering Journal, 2018, 338, 651-669.	12.7	461
48	Evaluation of advanced oxidation processes for water and wastewater treatment â€“ A critical review. Water Research, 2018, 139, 118-131.	11.3	1,891
49	Low levels of iron enhance UV/H2O2 efficiency at neutral pH. Water Research, 2018, 130, 234-242.	11.3	36
50	Fecal sludge as a fuel: characterization, cofire limits, and evaluation of quality improvement measures. Water Science and Technology, 2018, 78, 2437-2448.	2.5	11
51	Synergy of MS2 disinfection by sequential exposure to tailored UV wavelengths. Water Research, 2018, 143, 292-300.	11.3	47
52	Improving UV/H₂O₂ performance following tertiary treatment of municipal wastewater. Environmental Science: Water Research and Technology, 2018, 4, 1321-1330.	2.4	15
53	Pyrolysis of human feces: Gas yield analysis and kinetic modeling. Waste Management, 2018, 79, 214-222.	7.4	31
54	Sunlight-mediated inactivation of health-relevant microorganisms in water: a review of mechanisms and modeling approaches. Environmental Sciences: Processes and Impacts, 2018, 20, 1089-1122.	3.5	180

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55	Succession of toxicity and microbiota in hydraulic fracturing flowback and produced water in the Denverâ€"Julesburg Basin. Science of the Total Environment, 2018, 644, 183-192.	8.0	35
56	Identification of Proprietary Amino Ethoxylates in Hydraulic Fracturing Wastewater Using Liquid Chromatography/Time-of-Flight Mass Spectrometry with Solid-Phase Extraction. Analytical Chemistry, 2018, 90, 10927-10934.	6.5	15
57	Removal of trace organic chemicals in wastewater effluent by UV/H2O2 and UV/PDS. Water Research, 2018, 145, 487-497.	11.3	124
58	Identification of polypropylene glycols and polyethylene glycol carboxylates in flowback and produced water from hydraulic fracturing. Journal of Hazardous Materials, 2017, 323, 11-17.	12.4	68
59	Algal DNA Repair Kinetics Support Culture-Based Enumeration for Validation of Ultraviolet Disinfection Ballast Water Treatment Systems. Environmental Science and Technology Letters, 2017, 4, 192-196.	8.7	20
60	Simultaneous atrazine degradation andE. coliinactivation 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
61	Temporal characterization of flowback and produced water quality from a hydraulically fractured oil and gas well. Science of the Total Environment, 2017, 596-597, 369-377.	8.0	115
62	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
63	Application of a lyotropic liquid crystal nanofiltration membrane for hydraulic fracturing flowback water: Selectivity and implications for treatment. Journal of Membrane Science, 2017, 543, 319-327.	8.2	34
64	Organic Chemical Characterization and Mass Balance of a Hydraulically Fractured Well: From Fracturing Fluid to Produced Water over 405 Days. Environmental Science & Technology, 2017, 51, 14006-14015.	10.0	57
65	Photochemical generation of reactive intermediates from urban-waste bio-organic substances under UV and solar irradiation. Environmental Science and Pollution Research, 2017, 24, 18470-18478.	5.3	10
66	Evaluating UV-C LED disinfection performance and investigating potential dual-wavelength synergy. Water Research, 2017, 109, 207-216.	11.3	224
67	Impact of Light Screening and Photosensitization by Surface Water Organic Matter onEnterococcus FaecalisInactivation. Environmental Engineering Science, 2016, 33, 365-373.	1.6	10
68	Integrative Advanced Oxidation and Biofiltration for Treating Pharmaceuticals in Wastewater. Water Environment Research, 2016, 88, 1985-1993.	2.7	12
69	Comparison of ultraviolet light-emitting diodes and low-pressure mercury-arc lamps for disinfection of water. Environmental Technology (United Kingdom), 2016, 37, 2183-2188.	2.2	58
70	Low-energy hydraulic fracturing wastewater treatment via AC powered electrocoagulation with biochar. Journal of Hazardous Materials, 2016, 309, 180-184.	12.4	44
71	Transformation of Contaminant Candidate List (CCL3) compounds during ozonation and advanced oxidation processes in drinking water: Assessment of biological effects. Water Research, 2016, 93, 110-120.	11.3	43
72	Hydraulic fracturing wastewater treatment by coagulation-adsorption for removal of organic compounds and turbidity. Journal of Environmental Chemical Engineering, 2016, 4, 1978-1984.	6.7	72

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73	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
74	Comparison of UV-Induced Inactivation and RNA Damage in MS2 Phage across the Germicidal UV Spectrum. Applied and Environmental Microbiology, 2016, 82, 1468-1474.	3.1	132
75	Biodegradability of iopromide products after UV/H2O2 advanced oxidation. Chemosphere, 2016, 144, 989-994.	8.2	30
76	Establishing Surrogateâ€“Virus Relationships for Ozone Disinfection of Wastewater. Environmental Engineering Science, 2015, 32, 451-460.	1.6	32
77	Rethinking the Concepts of Fluence (<scp>UV</scp> Dose) and Fluence Rate: The Importance of Photonâ€based Units â€“ A Systemic Review. Photochemistry and Photobiology, 2015, 91, 1252-1262.	2.5	94
78	Application of Metabolite Profiling Tools and Time-of-Flight Mass Spectrometry in the Identification of Transformation Products of Iopromide and Iopamidol during Advanced Oxidation. Environmental Science & Technology, 2015, 49, 2983-2990.	10.0	39
79	Characterization of hydraulic fracturing flowback water in Colorado: Implications for water treatment. Science of the Total Environment, 2015, 512-513, 637-644.	8.0	283
80	Importance of Recovery of E. coli in Water Following Ultraviolet Light Disinfection. Journal of Environmental Engineering, ASCE, 2015, 141, .	1.4	13
81	Reactivation of Giardia lamblia cysts after exposure to low-pressure UV irradiation. Canadian Journal of Microbiology, 2015, 61, 513-516.	1.7	4
82	Comment on â€œUV Disinfection Induces a VBNC State in Escherichia coli and Pseudomonas aeruginosaâ€• Environmental Science & Technology, 2015, 49, 10750-10751.	10.0	5
83	Action spectra for validation of pathogen disinfection in medium-pressure ultraviolet (UV) systems. Water Research, 2015, 70, 27-37.	11.3	120
84	Assessing point-of-use ultraviolet disinfection for safe water in urban developing communities. Journal of Water and Health, 2014, 12, 663-669.	2.6	6
85	Photochemical fate of solvent constituents ofÂCorexit oil dispersants. Water Research, 2014, 52, 101-111.	11.3	12
86	A qualitative comparative analysis of well-managed school sanitation in Bangladesh. BMC Public Health, 2014, 14, 6.	2.9	30
87	Determination of COREXIT components used in the Deepwater Horizon cleanup by liquid chromatography-ion trap mass spectrometry. Analytical Methods, 2014, 6, 5498-5502.	2.7	8
88	Demonstrating sucralose as a monitor of full-scale UV/AOP treatment of trace organic compounds. Journal of Hazardous Materials, 2014, 280, 104-110.	12.4	38
89	Can We Treat Hydraulic Fracturing Flowback with a Conventional Biological Process? The Case of Guar Gum. Environmental Science and Technology Letters, 2014, 1, 133-136.	8.7	88
90	Degradation pathways of lamotrigine under advanced treatment by direct UV photolysis, hydroxyl radicals, and ozone. Chemosphere, 2014, 117, 316-323.	8.2	36

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91	Evaluation of DNA damage reversal during medium-pressure UV disinfection. Water Research, 2014, 56, 181-189.	11.3	38
92	Nitrate Photochemistry in the Context of Water Reclamation. , 2014, , 229-246.		1
93	Wavelength Dependent UV Inactivation and DNA Damage of Adenovirus as Measured by Cell Culture Infectivity and Long Range Quantitative PCR. Environmental Science & Technology, 2014, 48, 591-598.	10.0	116
94	Photoreactivation of bacteriophages after UV disinfection: Role of genome structure and impacts of UV source. Water Research, 2014, 55, 143-149.	11.3	64
95	Identifying the factors that influence the reactivity of effluent organic matter with hydroxyl radicals. Water Research, 2014, 50, 408-419.	11.3	111
96	Photochemical degradation of Corexit components in ocean water. Chemosphere, 2014, 111, 596-602.	8.2	13
97	Evaluation of Hydrogen Peroxide Chemical Quenching Agents following an Advanced Oxidation Process. Journal of Environmental Engineering, ASCE, 2013, 139, 137-140.	1.4	40
98	Degradation of Antibiotic Activity during UV/H₂O₂ Advanced Oxidation and Photolysis in Wastewater Effluent. Environmental Science & Technology, 2013, 47, 13020-13030.	10.0	136
99	Dimer formation during UV photolysis of diclofenac. Chemosphere, 2013, 93, 1948-1956.	8.2	56
100	Photocatalytic-based inactivation ofE. coliby UV 282Ânm XeBr Excilamp. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2013, 48, 1670-1676.	1.7	6
101	Re-Engineering an Artificial Sweetener: Transforming Sucralose Residuals in Water via Advanced Oxidation. Environmental Science & Technology, 2013, 47, 6799-6805.	10.0	38
102	Production of Photo-oxidants by Dissolved Organic Matter During UV Water Treatment. Environmental Science & Technology, 2013, 47, 11726-11733.	10.0	101
103	Suggested Reporting Parameters for Investigations of Wastewater from Unconventional Shale Gas Extraction. Environmental Science & Technology, 2013, 47, 13220-13221.	10.0	24
104	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
105	Long-range quantitative PCR for determining inactivation of adenovirus 2 by ultraviolet light. Journal of Applied Microbiology, 2013, 114, 1854-1865.	3.1	44
106	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
107	Emerging Pollutants â€“ Part II: Treatment. Water Environment Research, 2012, 84, 1909-1940.	2.7	12
108	The effect of inorganic precursors on disinfection byproduct formation during UV-chlorine/chloramine drinking water treatment. Water Research, 2012, 46, 4653-4664.	11.3	93

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109	The role of effluent nitrate in trace organic chemical oxidation during UV disinfection. Water Research, 2012, 46, 5224-5234.	11.3	134
110	Inactivation of adenovirus using low-dose UV/H2O2 advanced oxidation. Water Research, 2012, 46, 6273-6278.	11.3	56
111	Enhanced Biodegradation of Carbamazepine after UV/H₂O₂ Advanced Oxidation. Environmental Science & Technology, 2012, 46, 6222-6227.	10.0	141
112	Ultraviolet and Pulsed Light Processing of Fluid Foods. , 2012, , 185-223.		22
113	UV disinfection implementation status in US water treatment plants. Journal - American Water Works Association, 2012, 104, E318.	0.3	61
114	UV Disinfection of Adenovirus: Present State of the Research and Future Directions. Critical Reviews in Environmental Science and Technology, 2011, 41, 1375-1396.	12.8	37
115	Proving Sustainability: The International Development Monitoring Initative. , 2011, , .		3
116	Impact of UV Disinfection Combined with Chlorination/Chloramination on the Formation of Halonitromethanes and Haloacetonitriles in Drinking Water. Environmental Science & Technology, 2011, 45, 3657-3664.	10.0	132
117	Inactivation of murine norovirus, feline calicivirus and echovirus 12 as surrogates for human norovirus (NoV) and coliphage (F+) MS2 by ultraviolet light (254â€ƒnm) and the effect of cell association on UV inactivation. Letters in Applied Microbiology, 2011, 52, 162-167.	2.2	77
118	Can UV Protect the Public from Adenovirus in Drinking Water?. Proceedings of the Water Environment Federation, 2011, 2011, 26-33.	0.0	1
119	Molecular Indications of Protein Damage in Adenoviruses after UV Disinfection. Applied and Environmental Microbiology, 2011, 77, 1145-1147.	3.1	79
120	Effect of UV treatment on DBP formation. Journal - American Water Works Association, 2010, 102, 100-113.	0.3	97
121	Demonstration and evaluation of germicidal UV-LEDs for point-of-use water disinfection. Journal of Water and Health, 2010, 8, 479-486.	2.6	152
122	UV/H2O2 treatment of drinking water increases post-chlorination DBP formation. Water Research, 2010, 44, 3703-3713.	11.3	141
123	Phototransformation of selected organophosphorus pesticides: Roles of hydroxyl and carbonate radicals. Water Research, 2010, 44, 3585-3594.	11.3	147
124	Ultraviolet Photolysis of Chlorpyrifos: Developmental Neurotoxicity Modeled in PC12 Cells. Environmental Health Perspectives, 2009, 117, 338-343.	6.0	17
125	Impact of Lamp Choice and H2O2 Dose on Photodegradation of Nitrobenzene. Environmental Engineering Science, 2009, 26, 973-980.	1.6	8
126	UV Disinfection of Adenoviruses: Molecular Indications of DNA Damage Efficiency. Applied and Environmental Microbiology, 2009, 75, 23-28.	3.1	136

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127	Determining the viability response of pine pollen to atmospheric conditions during longâ€distance dispersal. Ecological Applications, 2009, 19, 656-667.	3.8	33
128	Enhanced effectiveness of medium-pressure ultraviolet lamps on human adenovirus 2 and its possible mechanism. Water Science and Technology, 2009, 60, 851-857.	2.5	23
129	Advanced Oxidation Kinetics of Aqueous Trialkyl Phosphate Flame Retardants and Plasticizers. Environmental Science & Technology, 2009, 43, 2937-2942.	10.0	81
130	Evaluation of Bacillus Spore Survival and Surface Morphology Following Chlorine and Ultraviolet Disinfection in Water. Journal of Environmental Engineering, ASCE, 2009, 135, 692-699.	1.4	5
131	Demonstrating 4â€log adenovirus inactivation in a mediumâ€pressure UV disinfection reactor. Journal - American Water Works Association, 2009, 101, 90-99.	0.3	15
132	UV-LED Irradiation Technology for Point-of-Use Water Disinfection. Proceedings of the Water Environment Federation, 2009, 2009, 222-225.	0.0	4
133	Reactions of thiocarbamate, triazine and urea herbicides, RDX and benzenes on EPA Contaminant Candidate List with ozone and with hydroxyl radicals. Water Research, 2008, 42, 137-144.	11.3	39
134	Comparative disinfection efficiency of pulsed and continuous-wave UV irradiation technologies. Water Research, 2008, 42, 2975-2982.	11.3	112
135	Degradation and byproduct formation of parathion in aqueous solutions by UV and UV/H2O2 treatment. Water Research, 2008, 42, 4780-4790.	11.3	90
136	Photooxidation and subsequent biodegradability of recalcitrant tri-alkyl phosphates TCEP and TBP in water. Water Research, 2008, 42, 4949-4954.	11.3	45
137	Development of a fluorescencein situhybridization protocol for the identification of micro-organisms associated with wastewater particles and flocs. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 1484-1488.	1.7	4
138	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
139	Comparative OH radical oxidation using UV-Cl2 and UV-H2O2 processes. Journal of Water Supply: Research and Technology - AQUA, 2007, 56, 469-477.	1.4	58
140	UV/H2O2 degradation of endocrine-disrupting chemicals in water evaluated via toxicity assays. Water Science and Technology, 2007, 55, 313-319.	2.5	33
141	Enhanced UV Inactivation of Adenoviruses under Polychromatic UV Lamps. Applied and Environmental Microbiology, 2007, 73, 7571-7574.	3.1	94
142	Water Treatment Revolution. Journal of Environmental Engineering, ASCE, 2007, 133, 128-129.	1.4	0
143	Modeling of a new UV test cell for evaluation of lamp fluence rate effects in regard to water treatment, and comparison to collimated beam tests. Journal of Environmental Engineering and Science, 2007, 6, 271-276.	0.8	3
144	ULTRAVIOLET LIGHT INDUCED DISINFECTION BYPRODUCTS: REALITIES AND CHALLENGES. Proceedings of the Water Environment Federation, 2007, 2007, 154-159.	0.0	2

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145	Aqueous photodegradation and toxicity of the polycyclic aromatic hydrocarbons fluorene, dibenzofuran, and dibenzothiophene. Water Research, 2007, 41, 853-861.	11.3	85
146	Standardizing photoreactivation: Comparison of DNA photorepair rate in Escherichia coli using four different fluorescent lamps. Water Research, 2007, 41, 2832-2838.	11.3	38
147	Chlorine photolysis and subsequent OH radical production during UV treatment of chlorinated water. Water Research, 2007, 41, 2871-2878.	11.3	456
148	Evaluation of UV irradiation for photolytic and oxidative degradation of pharmaceutical compounds in water. Water Research, 2007, 41, 4413-4423.	11.3	233
149	Comparisons of polychromatic and monochromatic UV-based treatments of bisphenol-A in water via toxicity assessments. Chemosphere, 2007, 68, 1041-1049.	8.2	18
150	UV Degradation Kinetics and Modeling of Pharmaceutical Compounds in Laboratory Grade and Surface Water via Direct and Indirect Photolysis at 254 nm. Environmental Science & Technology, 2007, 41, 1682-1688.	10.0	268
151	Photodegradation of Metolachlor Applying UV and UV/H2O2. Journal of Agricultural and Food Chemistry, 2007, 55, 4059-4065.	5.2	43
152	TheROH,UVConcept to Characterize and the Model UV/H2O2Process in Natural Waters. Environmental Science & Technology, 2007, 41, 2548-2553.	10.0	121
153	Pulsed UV lamp performance and comparison with UV mercury lamps. Journal of Environmental Engineering and Science, 2007, 6, 303-310.	0.8	44
154	Numerical simulation of UV disinfection reactors: Evaluation of alternative turbulence models. Applied Mathematical Modelling, 2007, 31, 1753-1769.	4.2	54
155	Photolysis, oxidation and subsequent toxicity of a mixture of polycyclic aromatic hydrocarbons in natural waters. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 187, 186-195.	3.9	52
156	Inactivation of E. coli, B. subtilis spores, and MS2, T4, and T7 phage using UV/H2O2 advanced oxidation. Journal of Hazardous Materials, 2007, 146, 479-486.	12.4	171
157	Biological assessments of a mixture of endocrine disruptors at environmentally relevant concentrations in water following UV/H2O2 oxidation. Science of the Total Environment, 2007, 376, 18-26.	8.0	64
158	Destruction of estrogenic activity in water using UV advanced oxidation. Science of the Total Environment, 2007, 377, 105-113.	8.0	80
159	Relative Rate Constants of Contaminant Candidate List Pesticides with Hydroxyl Radicals. Environmental Science & Technology, 2006, 40, 4460-4466.	10.0	43
160	Treatment of Volatile Organic Chemicals on the EPA Contaminant Candidate List Using Ozonation and the O3/H2O2Advanced Oxidation Process. Environmental Science & Technology, 2006, 40, 2734-2739.	10.0	42
161	Degradation of the pharmaceutical Metronidazole via UV, Fenton and photo-Fenton processes. Chemosphere, 2006, 63, 269-276.	8.2	297
162	Biological assessment of bisphenol A degradation in water following direct photolysis and UV advanced oxidation. Chemosphere, 2006, 65, 1094-1102.	8.2	108

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163	Effect of particles on ultraviolet light penetration in natural and engineered systems. Applied Optics, 2006, 45, 1844.	2.1	24
164	Comparison of the efficiency of OH radical formation during ozonation and the advanced oxidation processes O3/H2O2 and UV/H2O2. Water Research, 2006, 40, 3695-3704.	11.3	407
165	Ultraviolet and Chlorine Disinfection of Mycobacterium in Wastewater: Effect of Aggregation. Water Environment Research, 2006, 78, 565-571.	2.7	52
166	Assessment of DNA damage and repair in Mycobacterium terrae after exposure to UV irradiation. Journal of Applied Microbiology, 2006, 101, 995-1001.	3.1	34
167	Degradation and by-product formation of diazinon in water during UV and UV/H2O2 treatment. Journal of Hazardous Materials, 2006, 136, 553-559.	12.4	139
168	Impact of Particle Aggregated Microbes on UV Disinfection. II: Proper Absorbance Measurement for UV Fluence. Journal of Environmental Engineering, ASCE, 2006, 132, 607-615.	1.4	9
169	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
170	Comparative Inactivation of Bacillus Subtilis Spores and MS-2 Coliphage in a UV Reactor: Implications for Validation. Journal of Environmental Engineering, ASCE, 2006, 132, 1554-1561.	1.4	14
171	Polychromatic UV Fluence Measurement Using Chemical Actinometry, Biodosimetry, and Mathematical Techniques. Journal of Environmental Engineering, ASCE, 2006, 132, 831-841.	1.4	74
172	Induction of Escherichia coli and Salmonella typhimurium into the viable but nonculturable state following chlorination of wastewater. Journal of Water and Health, 2005, 3, 249-257.	2.6	118
173	Relationship between physiochemical properties, aggregation and u.v. inactivation of isolated indigenous spores in water. Journal of Applied Microbiology, 2005, 98, 351-363.	3.1	85
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