Inactivation credit of UV radiation for viruses, bacteria A review

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Citation Report

#	Article	IF	CITATIONS
1	Inactivation of the Avian Influenza Virus (H5N2) in Typical Domestic Wastewater and Drinking Water Treatment Systems. Environmental Engineering Science, 2006, 23, 897-903.	0.8	15
2	Eight revolutions in the history of US drinking water disinfection. Journal - American Water Works Association, 2006, 98, 123-149.	0.2	75
3	Microwave UV: A New Wave of Tertiary Disinfection. Proceedings of the Water Environment Federation, 2006, 2006, 2853-2864.	0.0	3
4	Adenovirus Transmission—Worthy of Our Attention. Journal of Infectious Diseases, 2006, 194, 871-873.	1.9	12
5	Inactivation of Poliovirus 1 and F-Specific RNA Phages and Degradation of Their Genomes by UV Irradiation at 254 Nanometers. Applied and Environmental Microbiology, 2006, 72, 7671-7677.	1.4	116
6	Mitigation and Current Management Attempts to Limit Pathogen Survival and Movement Within Farmed Grassland. Advances in Agronomy, 2007, , 95-152.	2.4	31
7	Detection of UV-Induced Thymine Dimers in Individual Cryptosporidium parvum and Cryptosporidium hominis Oocysts by Immunofluorescence Microscopy. Applied and Environmental Microbiology, 2007, 73, 947-955.	1.4	31
8	Collimated beam tests: their limitations for assessing wastewater disinfectability by UV, and a proposal for an additional evaluation parameter. Journal of Environmental Engineering and Science, 2007, 6, 265-270.	0.3	5
9	ASSESSING THE EFFECTS OF CHLORINATION AND UV IRRADIATION ON AVIAN INFLUENZA VIRUS (H5N2) IN WATER AND WASTEWATER. Proceedings of the Water Environment Federation, 2007, 2007, 360-366.	0.0	0
10	Comparative OH radical oxidation using UV-Cl2 and UV-H2O2 processes. Journal of Water Supply: Research and Technology - AQUA, 2007, 56, 469-477.	0.6	58
11	Biofilms: Recent Developments on an Old Battle. Recent Patents on Biotechnology, 2007, 1, 49-57.	0.4	79
12	Factors Affecting the Epidemiology of <i>Acanthamoeba</i> Keratitis. Ophthalmic Epidemiology, 2007, 14, 53-60.	0.8	76
13	Effectiveness of Standard UV Depuration at Inactivating Cryptosporidium parvum Recovered from Spiked Pacific Oysters (Crassostrea gigas). Applied and Environmental Microbiology, 2007, 73, 5083-5087.	1.4	17
14	Experimental Investigations of Microwave Plasma UV Lamp for Food Applications. Journal of Microwave Power and Electromagnetic Energy, 2007, 42, 13-23.	0.4	3
15	Disrupting the Transmission of Influenza A: Face Masks and Ultraviolet Light as Control Measures. American Journal of Public Health, 2007, 97, S32-S37.	1.5	44
16	A LUENBERGER OBSERVER FOR AN INFINITE DIMENSIONAL BILINEAR SYSTEM: A UV DISINFECTION EXAMPLE. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2007, 40, 667-672.	0.4	15
17	UV-induced dark repair mechanisms in bacteria associated with drinking water. Water Research, 2007, 41, 188-196.	5.3	74
18	Modelling of reactivation after UV disinfection: Effect of UV-C dose on subsequent photoreactivation and dark repair. Water Research, 2007, 41, 3141-3151.	5.3	118

#	Article	IF	Citations
19	Pulsed light for food decontamination: a review. Trends in Food Science and Technology, 2007, 18, 464-473.	7.8	404
20	Effect of Ultraviolet Germicidal Irradiation on Viral Aerosols. Environmental Science & Technology, 2007, 41, 5460-5465.	4.6	239
21	Food Physics. , 2007, , .		95
22	Critical processes affecting Cryptosporidium oocyst survival in the environment. Parasitology, 2007, 134, 309.	0.7	154
23	Artificial UV-B and Solar Radiation Reduce in Vitro Infectivity of the Human Pathogen <i>Cryptosporidium parvum</i> . Environmental Science & Technology, 2007, 41, 7101-7106.	4.6	43
24	Wastewater treatment plants as a source of microbial pathogens in receiving watersheds. African Journal of Biotechnology, 2007, 6, 2932-2944.	0.3	104
25	Evaluation of UV-C induced changes in Escherichia coli DNA using repetitive extragenic palindromic–polymerase chain reaction (REP–PCR). Journal of Photochemistry and Photobiology B: Biology, 2007, 89, 44-49.	1.7	16
26	Photocatalytic inactivation of Gram-positive and Gram-negative bacteria using fluorescent light. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 186, 335-341.	2.0	134
27	Detection of <i>Cryptosporidium parvum</i> in lettuce. International Journal of Food Science and Technology, 2007, 42, 385-393.	1.3	18
28	Pilot-scale evaluation of UV reactors' efficacy againstin vitroinfectivity ofCryptosporidium parvumoocysts. FEMS Immunology and Medical Microbiology, 2007, 51, 555-561.	2.7	3
30	Photoinactivation of Escherichia coli and Saccharomyces cerevisiae Suspended in Phosphate-Buffered Saline-A Using 266- and 355-nm Pulsed Ultraviolet Light. Current Microbiology, 2008, 56, 423-428.	1.0	9
31	Proteomics integrated with <i>Escherichia coli</i> vectorâ€based vaccines and antigen microarrays reveals the immunogenicity of a surface sialidaseâ€like protein of <i>Propionibacterium acnes</i> . Proteomics - Clinical Applications, 2008, 2, 1234-1245.	0.8	7
32	Radiation field modeling of multi-lamp, homogeneous photoreactors. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 198, 169-178.	2.0	27
33	Use of UV-C radiation as a non-thermal process for liquid egg products (LEP). Journal of Food Engineering, 2008, 85, 561-568.	2.7	133
34	Effects of ozone and ultraviolet radiation treatments on the infectivity of Toxoplasma gondii oocysts. Veterinary Parasitology, 2008, 153, 209-213.	0.7	73
35	Overview of the Inactivation by 254 nm Ultraviolet Radiation of Bacteria with Particular Relevance to Biodefense. Photochemistry and Photobiology, 2008, 84, 1084-1090.	1.3	124
36	Assessing the effectiveness of low-pressure ultraviolet light for inactivating <i>Mycobacterium avium</i> complex (MAC) micro-organisms. Letters in Applied Microbiology, 2008, 47, 386-392.	1.0	20
37	Interactions between humic matter and bacteria when disinfecting water with UV light. Journal of Applied Microbiology, 2008, 105, 25-35.	1.4	45

#	Article	IF	CITATIONS
38	Controlled inactivation of recombinant viruses with vitamin B2. Journal of Virological Methods, 2008, 148, 132-145.	1.0	13
39	A novel immunogenic spore coat-associated protein in Bacillus anthracis: Characterization via proteomics approaches and a vector-based vaccine system. Protein Expression and Purification, 2008, 57, 72-80.	0.6	15
40	Phototransformation of selected pharmaceuticals during UV treatment of drinking water. Water Research, 2008, 42, 121-128.	5.3	335
41	Inactivation of indigenous coliform bacteria in unfiltered surface water by ultraviolet light. Water Research, 2008, 42, 2729-2735.	5.3	33
42	Investigation of microbial inactivation efficiency of a UV disinfection system employing an excimer lamp. Water Research, 2008, 42, 4838-4846.	5.3	38
43	Photocatalytic inactivation of viruses using titanium dioxide nanoparticles and low-pressure UV light. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 1261-1270.	0.9	90
44	Oxidative transformations of environmental pharmaceuticals by Cl2, ClO2, O3, and Fe(VI): Kinetics assessment. Chemosphere, 2008, 73, 1379-1386.	4.2	186
45	UV inactivation of Adenovirus Type 4 measured by integrated cell culture qPCR. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2008, 43, 1628-1638.	0.9	15
46	Rapid Reduction of N-Nitrosamine Disinfection Byproducts in Water with Hydrogen and Porous Nickel Catalysts. Environmental Science & Technology, 2008, 42, 262-269.	4.6	51
47	IMPACT OF PARTICLES ON UV DISINFECTION OF WATER AND WASTEWATER EFFLUENTS: A REVIEW. Reviews in Chemical Engineering, 2008, 24, .	2.3	34
48	Microbial challenge-testing of treatment processes for quantifying stormwater recycling risks and management. Water Science and Technology, 2008, 57, 843-847.	1.2	15
49	Amoebae-resisting bacteria in drinking water: risk assessment and management. Water Science and Technology, 2008, 58, 571-577.	1.2	36
50	Comparative reductions of bacterial indicators, bacteriophage-infecting enteric bacteria and enteroviruses in wastewater tertiary treatments by lagooning and UV-radiation. Water Science and Technology, 2008, 58, 2223-2233.	1.2	27
51	Effect of Exposure to UV-C Irradiation and Monochloramine on Adenovirus Serotype 2 Early Protein Expression and DNA Replication. Applied and Environmental Microbiology, 2008, 74, 3774-3782.	1.4	45
52	Prevalence of <i>Cryptosporidium</i> spp. and <i>Giardia intestinalis</i> in Swimming Pools, Atlanta, Georgia. Emerging Infectious Diseases, 2008, 14, 948-950.	2.0	37
53	Ultraviolet Light Emitting Diodes for Disinfection of Spacecraft Potable Water Systems. , 0, ,		3
55	Impact of the Ultraviolet Disinfection Process on Biofilm Control in a Model Drinking Water Distribution System. Environmental Engineering Science, 2009, 26, 809-816.	0.8	10
56	Photocatalytic water disinfection of Cryptosporidium parvum and Giardia lamblia using a fibrous ceramic TiO2 photocatalyst. Water Science and Technology, 2009, 59, 639-645.	1.2	35

#	Article	IF	CITATIONS
57	Nitrite formation during low pressure ultraviolet lamp irradiation of nitrate. Water Science and Technology, 2009, 60, 1393-1400.	1.2	21
58	The Biological Safety of UV Disinfection Systems for Drinking Water. , 2009, , .		0
59	Monitoring viral contamination of molluscan shellfish. , 2009, , 108-128.		2
60	Long-Term Inactivation Study of Three Enteroviruses in Artificial Surface and Groundwaters, Using PCR and Cell Culture. Applied and Environmental Microbiology, 2009, 75, 1050-1057.	1.4	92
61	Presence of parasitic protozoa and helminth in sewage and efficiency of sewage treatment in Tunisia. Parasitology Research, 2009, 105, 393-406.	0.6	62
62	Advances in Ultraviolet Light Technology for Non-thermal Processing of Liquid Foods. Food and Bioprocess Technology, 2009, 2, 138-155.	2.6	375
63	Ultraviolet light-emitting diodes in water disinfection. Environmental Science and Pollution Research, 2009, 16, 439-442.	2.7	180
64	Legionella, Protozoa, and Biofilms: Interactions Within Complex Microbial Systems. Microbial Ecology, 2009, 58, 538-547.	1.4	143
65	Porphyrin derivatives as photosensitizers for the inactivation of <i>Bacillus cereus</i> endospores. Journal of Applied Microbiology, 2009, 106, 1986-1995.	1.4	79
66	Novel <i>Chlamydiales</i> strains isolated from a water treatment plant. Environmental Microbiology, 2009, 11, 188-200.	1.8	95
67	BLOOD COMPONENTS: A novel approach to pathogen reduction in platelet concentrates using shortâ€wave ultraviolet light. Transfusion, 2009, 49, 2612-2624.	0.8	138
68	Inactivation of <i>Giardia lamblia</i> cysts by polychromatic UV. Letters in Applied Microbiology, 2009, 48, 790-2.	1.0	12
69	Preliminary investigation on safety of post-UV disinfection of wastewater: bio-stability in laboratory-scale simulated reuse water pipelines. Desalination, 2009, 239, 22-28.	4.0	23
70	UV Photodegradation of Inorganic Chloramines. Environmental Science & Technology, 2009, 43, 60-65.	4.6	184
71	Comparison of low- and medium-pressure ultraviolet lamps: Photoreactivation of Escherichia coli and total coliforms in secondary effluents of municipal wastewater treatment plants. Water Research, 2009, 43, 815-821.	5.3	87
72	Evaluation of public health risks at recreational beaches in Lake Michigan via detection of enteric viruses and a human-specific bacteriological marker. Water Research, 2009, 43, 1137-1149.	5.3	123
73	UV inactivation and resistance of rotavirus evaluated by integrated cell culture and real-time RT-PCR assay. Water Research, 2009, 43, 3261-3269.	5.3	53
74	Application of a molecular biology concept for the detection of DNA damage and repair during UV disinfection. Water Research, 2009, 43, 3705-3716.	5.3	80

#	Article	IF	CITATIONS
75	Water, Drinking. , 2009, , 121-137.		2
76	Disinfection. , 2009, , 539-552.		1
77	Comparative study of enteric viruses, coliphages and indicator bacteria for evaluating water quality in a tropical high-altitude system. Environmental Health, 2009, 8, 49.	1.7	41
78	Unsteady state flow and stagnation in distribution systems affect the biological stability of drinking water. Biofouling, 2009, 26, 129-139.	0.8	41
79	Advances in the development of ultraviolet sterilization system for specific biological applications. , 2009, , .		2
80	Food Safety Issues and the Microbiology of Fish And Shellfish. , 0, , 227-254.		6
81	Monitoring viral contamination in shellfish growing areas. , 2009, , 542-579.		2
82	Challenges of UV light processing of low UVT foods and beverages. Proceedings of SPIE, 2010, , .	0.8	2
83	Sludge Reduction Technologies in Wastewater Treatment Plants. , 2010, , .		118
84	Evaluation of experimental techniques to validate numerical computations of the hydraulics inside a UV bench-scale reactor. Chemical Engineering Science, 2010, 65, 4491-4502.	1.9	33
85	Issues Concerning Survival of Viruses on Surfaces. Food and Environmental Virology, 2010, 2, 24-34.	1.5	137
86	Molecular Typing of Enteroviruses, Adenoviruses, and Hepatitis A Viruses in Untreated and Treated Sewage of a Biological Treatment Plant in Greece. Food and Environmental Virology, 2010, 2, 89-96.	1.5	15
87	Inactivation of Staphylococcus aureus and Escherichia coli in Water Using Photocatalysis with Fixed TiO2. Water, Air, and Soil Pollution, 2010, 212, 231-238.	1.1	28
88	Modeling inactivation kinetics of liquid egg white exposed to UV-C irradiation. International Journal of Food Microbiology, 2010, 142, 341-347.	2.1	98
89	Biodiversity of amoebae and amoeba-associated bacteria in water treatment plants. International Journal of Hygiene and Environmental Health, 2010, 213, 158-166.	2.1	73
90	Free-living amoebae: Biological by-passes in water treatment. International Journal of Hygiene and Environmental Health, 2010, 213, 167-175.	2.1	96
91	Chemical and microbiological parameters as possible indicators for human enteric viruses in surface water. International Journal of Hygiene and Environmental Health, 2010, 213, 210-216.	2.1	65
92	Wastewater treatment using gamma irradiation: Tétouan pilot station, Morocco. Radiation Physics and Chemistry, 2010, 79, 424-428.	1.4	28

ARTICLE IF CITATIONS # From green to red – To more dead? Autofluorescent proteins as photosensitizers. Journal of 93 1.7 10 Photochemistry and Photobiology B: Biology, 2010, 98, 95-98. Direct UV photolysis of propranolol and metronidazole in aqueous solution. Chemical Engineering 94 6.6 Journal, 2010, 158, 143-147 The weaknesses of a k–É→ model compared to a large-eddy simulation for the prediction of UV dose 95 6.6 27 distributions and disinfection. Chemical Engineering Journal, 2010, 162, 528-536. Free-living amoebae and their intracellular pathogenic microorganisms: risks for water quality. FEMS 96 3.9 241 Microbiology Reviews, 2010, 34, 231-259. Evaluation of water treatment plant UV reactor efficiency against <i>Cryptosporidium parvum</i> oocyst infectivity in immunocompetent suckling mice. Journal of Applied Microbiology, 2010, 108, 97 1.4 3 1060-1065. UV-C inactivation in Escherichia coli is affected by growth conditions preceding irradiation, in particular by the specific growth rate. Journal of Applied Microbiology, 2010, 109, no-no. 1.4 Enhanced germicidal effects of pulsed UV-LED irradiation on biofilms. Journal of Applied 99 1.4 68 Microbiology, 2010, 109, 2183-2190. Case Study of Particle-Related UV Shielding of Microorganisms When Disinfecting Unfiltered Surface Water. Water Quality Research Journal of Canada, 2010, 45, 343-351. 1.2 Different Length (DL) qPCR for Quantification of Cell Killing by UV-induced DNA Damage. International 101 1.2 24 Journal of Environmental Research and Public Health, 2010, 7, 3376-3381. Inactivation Effects of UV Irradiation and Ozone Treatment on the Yeast and the Mold in Mineral 0.8 Water. Journal of Food Protection, 2010, 73, 1537-1542. Photodegradation of sulphamethoxazole under UVâ€light irradiation at 254 nm. Environmental 103 1.2 37 Technology (United Kingdom), 2010, 31, 489-494. Determining UV Inactivation of <i>Toxoplasma gondii</i> Oocysts by Using Cell Culture and a Mouse 104 1.4 Bioassay. Applied and Environmental Microbiology, 2010, 76, 5140-5147. Pathogen inactivation during passage of stormwater through a constructed reedbed and aquifer 105 1.2 36 transfer, storage and recovery. Water Science and Technology, 2010, 62, 1190-1197. Benefits of high energy UV185 nm light to inactivate bacteria. Water Science and Technology, 2010, 62, 1.2 2776-2782. Effectiveness of UVâ⁻⁻C Equipped Vacuum at Reducing Culturable Surface-Bound Microorganisms on 108 4.6 9 Carpets. Environmental Science & amp; Technology, 2010, 44, 9451-9455. Human Virus and Bacteriophage Inactivation in Clear Water by Simulated Sunlight Compared to Bacteriophage Inactivation at a Southern California Beach. Environmental Science & amp; Technology, 109 70 2010, 44, 6965-6970. Comparison of Low Pressure and Medium Pressure UV Lamps for UV/H₂O₂Treatment of Natural Waters Containing Micro Pollutants. Ozone: 110 1.4 37 Science and Engineering, 2010, 32, 329-337. An integrated cell culture and reverse transcription quantitative PCR assay for detection of infectious rotaviruses in environmental waters. Journal of Microbiological Methods, 2010, 82, 59-63.

#	Article	IF	CITATIONS
112	UV inactivation of microorganisms in beer by a novel thin-film apparatus. Food Control, 2010, 21, 1312-1317.	2.8	29
113	Colonization of a therapeutic spa with Legionella spp: a public health issue. Research in Microbiology, 2010, 161, 18-25.	1.0	12
114	Inactivation of environmental mycobacteria by free chlorine and UV. Water Research, 2010, 44, 1329-1334.	5.3	60
115	Effect of pre- and post-UV disinfection conditions on photoreactivation of fecal coliforms in wastewater effluents. Water Research, 2010, 44, 2885-2893.	5.3	68
116	Recolonization by heterotrophic bacteria after UV irradiation or ozonation of seawater; a simulation of ballast water treatment. Water Research, 2010, 44, 5439-5449.	5.3	62
117	Risk Assessment of Irradiated Foods. , 2010, , 141-168.		0
118	Biofouling control in water by various UVC wavelengths and doses. Biofouling, 2010, 26, 257-267.	0.8	55
119	Photosensitized Amino Acid Degradation in the Presence of Riboflavin and Its Derivatives. Environmental Science & Technology, 2011, 45, 5230-5237.	4.6	108
120	Microbial Source Tracking: Methods, Applications, and Case Studies. , 2011, , .		64
121	Ultraviolet processing of liquid food: A review. Food Research International, 2011, 44, 1580-1588.	2.9	89
122	Immunological detection of UV induced cyclobutane pyrimidine dimers and (6–4) photoproducts in DNA from reference bacteria and natural aquatic populations. Journal of Microbiological Methods, 2011, 84, 435-441.	0.7	13
123	Synergistic effect of UV, laser and microwave radiation or conventional heating on E. coli and on some spoilage and pathogenic bacteria. Innovative Food Science and Emerging Technologies, 2011, 12, 129-134.	2.7	34
124	UV-C inactivation of Escherichia coli at different temperatures. Innovative Food Science and Emerging Technologies, 2011, 12, 531-541.	2.7	91
125	Photodegradation of the antibiotics nitroimidazoles in aqueous solution by ultraviolet radiation. Water Research, 2011, 45, 393-403.	5.3	108
126	Application of GaN-based ultraviolet-C light emitting diodes – UV LEDs – for water disinfection. Water Research, 2011, 45, 1481-1489.	5.3	367
127	Fate of the pathogen indicators phage ΦX174 and Ascaris suum eggs during the production of struvite fertilizer from source-separated urine. Water Research, 2011, 45, 4960-4972.	5.3	66
128	The Fate and Transport of Cryptosporidium parvum Oocysts in the Soil. , 0, , .		2
129	Advanced Methods for the Elimination of Microorganisms in Industrial Treatments: Potential Applicability to Wastewater Reuse. Water Environment Research, 2011, 83, 233-24 <u>6.</u>	1.3	6

#	Article	IF	CITATIONS
130	Computational Fluid Dynamics in Drinking-Water Treatment. Water Intelligence Online, 2011, 10, 9781780401003.	0.3	0
131	The effect of UV pre-treatment on biofouling of BWRO membranes: A field study. Desalination and Water Treatment, 2011, 31, 151-163.	1.0	24
132	Comparison of indicator bacteria inactivation by the ultraviolet and the ultraviolet/hydrogen peroxide disinfection processes in humic waters. Journal of Water and Health, 2011, 9, 659-669.	1.1	14
133	Inactivation of plant infecting fungal and viral pathogens to achieve biological containment in drainage water using UV treatment. Journal of Applied Microbiology, 2011, 110, 675-687.	1.4	7
134	Kinetics of UV254 inactivation of selected viral pathogens in a static system. Journal of Applied Microbiology, 2011, 111, 389-395.	1.4	15
135	Inactivation of murine norovirus, feline calicivirus and echovirus 12 as surrogates for human norovirus (NoV) and coliphage (F+) MS2 by ultraviolet light (254 nm) and the effect of cell association on UV inactivation. Letters in Applied Microbiology, 2011, 52, 162-167.	1.0	77
136	Real-time measurement of UV-inactivated Escherichia coli bacterial particles by electrospray-assisted UVAPS spectrometry. Science of the Total Environment, 2011, 409, 3249-3255.	3.9	11
137	Effects of advanced oxidation pretreatment on residual aluminum control in high humic acid water purification. Journal of Environmental Sciences, 2011, 23, 1079-1085.	3.2	24
138	Sequential use of ultraviolet light and chlorine for reclaimed water disinfection. Journal of Environmental Sciences, 2011, 23, 1605-1610.	3.2	30
139	An evaluation of ultraviolet light (UV254) as a means to inactivate porcine reproductive and respiratory syndrome virus on common farm surfaces and materials. Veterinary Microbiology, 2011, 150, 96-99.	0.8	13
140	Effect of recirculation and initial concentration of microorganisms on the disinfection kinetics of Escherichia coli. Desalination, 2011, 280, 20-26.	4.0	29
141	Virus inactivation during coagulation with aluminum coagulants. Chemosphere, 2011, 85, 571-576.	4.2	32
142	Degradation of chlorotetracycline and bacterial disinfection in livestock wastewater by ozone-based advanced oxidation. Journal of Industrial and Engineering Chemistry, 2011, 17, 468-473.	2.9	57
143	Virus Genome Quantification Does not Predict Norovirus Infectivity After Application of Food Inactivation Processing Technologies. Food and Environmental Virology, 2011, 3, 141-146.	1.5	24
144	A systematic approach for the design of UV reactors using computational fluid dynamics. AICHE Journal, 2011, 57, 193-207.	1.8	35
145	Enhanced inactivation of bacteria with silver-modified mesoporous TiO2 under weak ultraviolet irradiation. Microporous and Mesoporous Materials, 2011, 144, 97-104.	2.2	40
146	Inhibition effects of low-pressure UV irradiation on Chlorella vulgaris and Prococentrum lima. , 2011,		0
147	Role of dopant concentration, crystal phase and particle size on microbial inactivation of Cu-doped TiO ₂ nanoparticles. Nanotechnology, 2011, 22, 415704.	1.3	16

#	Article	IF	CITATIONS
148	Ultraviolet irradiation and the mechanisms underlying its inactivation of infectious agents. Animal Health Research Reviews, 2011, 12, 15-23.	1.4	156
149	Disinfection of Spacecraft Potable Water Systems by Photocatalytic Oxidation Using UV-A Light Emitting Diodes. , 2011, , .		2
150	Occurrence and genotypes of giardia cysts in wastewater in North China. , 2011, , .		1
151	Estimating the risk from sewage treatment plant effluent in the Sydney catchment area. Water Science and Technology, 2011, 63, 1707-1715.	1.2	5
152	Decontamination of a drinking water pipeline system contaminated with adenovirus and Escherichia coli utilizing peracetic acid and chlorine. Journal of Water and Health, 2012, 10, 406-418.	1.1	17
153	Presence of human noro- and adenoviruses in river and treated wastewater, a longitudinal study and method comparison. Journal of Water and Health, 2012, 10, 87-99.	1.1	32
154	A risk assessment of Pseudomonas aeruginosa in swimming pools: a review. Journal of Water and Health, 2012, 10, 181-196.	1.1	40
155	The photodynamic inactivation of Staphylococcus aureus in water using visible light with a new expanded porphyrin. Journal of Water and Health, 2012, 10, 390-399.	1.1	20
156	Interaction Forces Drive the Environmental Transmission of Pathogenic Protozoa. Applied and Environmental Microbiology, 2012, 78, 905-912.	1.4	51
157	Efficient Destruction of Chlorophenols by Ultraviolet Irradiation. Advanced Materials Research, 0, 476-478, 1955-1959.	0.3	0
158	Total and Efficient Removal of Tribromoacetic Acid by Ultraviolet Irradiation. Advanced Materials Research, 0, 518-523, 2939-2943.	0.3	6
160	Removal Efficiency and Integrity Monitoring Techniques for Virus Removal by Membrane Processes. Critical Reviews in Environmental Science and Technology, 2012, 42, 891-933.	6.6	94
161	Resistance Index of Penicillin-Resistant Bacteria to Various Physicochemical Agents. , 2012, 2012, 1-6.		2
162	UV-C Inactivation of <i>Cronobacter sakazakii</i> . Foodborne Pathogens and Disease, 2012, 9, 907-914.	0.8	20
163	Inactivation of Recombinant Bacteriophage Lambda by Use of Chemical Agents and UV Radiation. Applied and Environmental Microbiology, 2012, 78, 3033-3036.	1.4	11
164	Pathogenic Escherichia coli Found in Sewage Treatment Plants and Environmental Waters. Applied and Environmental Microbiology, 2012, 78, 5536-5541.	1.4	94
165	Antimicrobial Resources for Disinfection of PotableWater Systems for Future Spacecraft. , 2012, , .		3
166	Inactivation of <i>Naegleria Fowleri</i> by chlorine and ultraviolet light. Journal - American Water Works Association, 2012, 104, E173.	0.2	10

#	Article	IF	CITATIONS
167	Case study of treatment of waste water for 17α-ethinylestradiol and microorganisms with UV and photocatalysis in an on-going process of introducing AOP techniques in the Danish water sector. Water Practice and Technology, 2012, 7, .	1.0	4
169	Direct and indirect QMRA of infectious Cryptosporidium oocysts in reclaimed water. Journal of Water and Health, 2012, 10, 539-548.	1.1	13
170	Ultraviolet Disinfection of Antibiotic Resistant Bacteria and Their Antibiotic Resistance Genes in Water and Wastewater. Environmental Science & Technology, 2012, 46, 13393-13400.	4.6	417
171	Enterococci in the Environment. Microbiology and Molecular Biology Reviews, 2012, 76, 685-706.	2.9	502
172	New kinetic model for predicting the photoreactivation of bacteria with sunlight. Journal of Photochemistry and Photobiology B: Biology, 2012, 117, 278-285.	1.7	18
173	Ultraviolet irradiation: An effective inactivation method of Aspergillus spp. in water for the control of waterborne nosocomial aspergillosis. Water Research, 2012, 46, 5935-5940.	5.3	35
174	Lack of Direct Effects of Agrochemicals on Zoonotic Pathogens and Fecal Indicator Bacteria. Applied and Environmental Microbiology, 2012, 78, 8146-8150.	1.4	17
175	Inactivation and Tailing during UV ₂₅₄ Disinfection of Viruses: Contributions of Viral Aggregation, Light Shielding within Viral Aggregates, and Recombination. Environmental Science & Technology, 2012, 46, 10022-10030.	4.6	61
176	Efficient Reductive Dechlorination of Monochloroacetic Acid by Sulfite/UV Process. Environmental Science & Technology, 2012, 46, 7342-7349.	4.6	236
177	Effects of UV254 irradiation on residual chlorine and DBPs in chlorination of model organic-N precursors in swimming pools. Water Research, 2012, 46, 2674-2682.	5.3	86
178	Relationships between human adenoviruses and faecal indicator organisms in European recreational waters. Water Research, 2012, 46, 4130-4141.	5.3	40
179	UV inactivation and characteristics after photoreactivation of Escherichia coli with plasmid: Health safety concern about UV disinfection. Water Research, 2012, 46, 4031-4036.	5.3	104
180	Evaluation of In Vitro Efficacy of Combined Riboflavin and Ultraviolet A for Acanthamoeba Isolates. American Journal of Ophthalmology, 2012, 153, 399-404.	1.7	70
181	Bactericidal efficiency and mode of action: A comparative study of photochemistry and photocatalysis. Water Research, 2012, 46, 3208-3218.	5.3	84
182	Transcriptome analysis reveals unique metabolic features in the Cryptosporidium parvum Oocysts associated with environmental survival and stresses. BMC Genomics, 2012, 13, 647.	1.2	46
183	Use of UV-C radiation to disinfect non-critical patient care items: a laboratory assessment of the Nanoclave Cabinet. BMC Infectious Diseases, 2012, 12, 174.	1.3	40
184	Stability of human enteric viruses in seawater samples from mollusc depuration tanks coupled with ultraviolet irradiation. Journal of Applied Microbiology, 2012, 113, 1554-1563.	1.4	12
185	Uranium and Thorium Resources. , 2012, , 11201-11219.		2

#	Article	IF	CITATIONS
186	Sensitivity and Resistance of Protozoa to Microbicides. , 0, , 155-177.		1
187	Radiation Sterilization. , 0, , 294-305.		4
188	New and Emerging Technologies. , 0, , 371-387.		1
189	Ultraviolet and Pulsed Light Processing of Fluid Foods. , 2012, , 185-223.		22
190	Inactivation and disposal of by-products from Mycobacterium smegmatis by photoelectrocatalytic oxidation using Ti/TiO2-Ag nanotube electrodes. Electrochimica Acta, 2012, 85, 33-41.	2.6	28
191	The use of chromophore and fluorophore degradation to quantitate UV dose: FD&C dyes as chemical identicators for UV sterilization. Journal of Microbiological Methods, 2012, 91, 215-221.	0.7	6
192	Effect of different coagulants on the ultraviolet light intensity attenuation. Desalination and Water Treatment, 2012, 37, 302-307.	1.0	0
193	The Response of Human Skin Commensal Bacteria as a Reflection of UV Radiation: UV-B Decreases Porphyrin Production. PLoS ONE, 2012, 7, e47798.	1.1	27
194	Prevalence of Multiple Antibiotics Resistant (MAR) Pseudomonas Species in the Final Effluents of Three Municipal Wastewater Treatment Facilities in South Africa. International Journal of Environmental Research and Public Health, 2012, 9, 2092-2107.	1.2	46
195	The depuration dynamics of oysters (Crassostrea gigas) artificially contaminated with hepatitis A virus and human adenovirus. Memorias Do Instituto Oswaldo Cruz, 2012, 107, 11-17.	0.8	19
196	A Discussion Paper on Challenges and Proposals for Advanced Treatments for Potabilization of Wastewater in the Food Industry. , 2012, , .		2
197	UV disinfection of biologically active carbon filter effluent. Journal - American Water Works Association, 2012, 104, E260.	0.2	Ο
198	Assessing the effects of tertiary treated wastewater reuse on a Mediterranean river (Llobregat, NE) Tj ETQq0 0 0 1026-1032.	rgBT /Ove 2 . 7	rlock 10 Tf 50 17
199	Multivariate optimization of fecal bioindicator inactivation by coupling UV-A and UV-C LEDs. Desalination, 2012, 285, 219-225.	4.0	74
200	Effect of hybrid coagulation–membrane filtration on downstream UV disinfection. Desalination, 2012, 290, 115-124.	4.0	12
201	Effects of ultraviolet radiation on an intertidal trematode parasite: An assessment of damage and protection. International Journal for Parasitology, 2012, 42, 453-461.	1.3	16
202	Effect of coupled UV-A and UV-C LEDs on both microbiological and chemical pollution of urban wastewaters. Science of the Total Environment, 2012, 426, 304-310.	3.9	117
203	Monitoring and control of UV and UV-TiO2 disinfections for municipal wastewater reclamation using artificial neural networks. Journal of Hazardous Materials, 2012, 209-210, 348-354.	6.5	42

#	Article	IF	CITATIONS
204	Effect of ultraviolet (UV) radiation on the abundance and respiration rates of probiotic bacteria. Aquaculture Research, 2013, 44, 261-267.	0.9	7
205	Environmental Toxicology. , 2013, , .		10
206	Synergistic bactericidal effect by combined exposure to Ag nanoparticles and UVA. Science of the Total Environment, 2013, 458-460, 54-62.	3.9	35
207	Sanitary quality of edible bivalve mollusks in Southeastern Brazil using an UV based depuration system. Ocean and Coastal Management, 2013, 72, 93-100.	2.0	28
208	Ultraviolet radiation as disinfection for fish surgical tools. Animal Biotelemetry, 2013, 1, 4.	0.8	5
209	Impact of Process Parameters on Listeria innocua Inactivation Kinetics by Pulsed Light Technology. Food and Bioprocess Technology, 2013, 6, 1828-1836.	2.6	20
210	Comparison of UVA- and UVA/riboflavin-induced growth inhibition of Acanthamoeba Castellanii. Graefe's Archive for Clinical and Experimental Ophthalmology, 2013, 251, 509-514.	1.0	17
211	Improving UV seawater disinfection with immobilized TiO2: Study of the viability of photocatalysis (UV254/TiO2) as seawater disinfection technology. Journal of Photochemistry and Photobiology A: Chemistry, 2013, 271, 16-23.	2.0	49
212	Microbial selectivity of UV treatment on antibiotic-resistant heterotrophic bacteria in secondary effluents of a municipal wastewater treatment plant. Water Research, 2013, 47, 6388-6394.	5.3	113
213	Abiotic factors in colony formation: effects of nutrition and light on extracellular polysaccharide production and cell aggregates of Microcystis aeruginosa. Chinese Journal of Oceanology and Limnology, 2013, 31, 796-802.	0.7	31
214	Point-of-use water disinfection using UV light-emitting diodes to reduce bacterial contamination. Environmental Science and Pollution Research, 2013, 20, 5441-5448.	2.7	44
215	Drinking water biofilms on copper and stainless steel exhibit specific molecular responses towards different disinfection regimes at waterworks. Biofouling, 2013, 29, 891-907.	0.8	21
216	Inactivation of bacterial spores by UV-C light. Innovative Food Science and Emerging Technologies, 2013, 19, 140-145.	2.7	70
217	Effect of chlorination and ultraviolet disinfection on tetA-mediated tetracycline resistance of Escherichia coli. Chemosphere, 2013, 90, 2247-2253.	4.2	98
218	Sunlight Inactivation of Human Viruses and Bacteriophages in Coastal Waters Containing Natural Photosensitizers. Environmental Science & Technology, 2013, 47, 1870-1878.	4.6	93
219	Kinetics of water disinfection using UV-C radiation. Fuel, 2013, 110, 114-123.	3.4	6
220	Amoebas as mimivirus bunkers: increased resistance to UV light, heat and chemical biocides when viruses are carried by amoeba hosts. Archives of Virology, 2014, 159, 1039-43.	0.9	12
221	Quantitative Characterization and Prediction Modeling of Photoreactivation of Coliforms After Ultraviolet Disinfection of Reclaimed Municipal Wastewater. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	12

#	Article	IF	CITATIONS
222	Pharmaceuticals as emerging contaminants and their removal from water. A review. Chemosphere, 2013, 93, 1268-1287.	4.2	1,122
223	Survival of Escherichia coli in two sewage treatment plants using UV irradiation and chlorination for disinfection. Water Research, 2013, 47, 6670-6679.	5.3	75
224	Occurrence and low pressure ultraviolet inactivation of yeasts in real water sources. Photochemical and Photobiological Sciences, 2013, 12, 626-630.	1.6	8
225	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.	0.9	6
226	Heat and ultraviolet light treatment of colostrum and hospital milk: Effects on colostrum and hospital milk characteristics and calf health and growth parameters. Veterinary Journal, 2013, 197, 175-181.	0.6	23
227	Application of UV light emitting diodes to batch and flow-through water disinfection systems. Desalination, 2013, 328, 24-30.	4.0	149
228	UV-C light inactivation and modeling kinetics of Alicyclobacillus acidoterrestris spores in white grape and apple juices. International Journal of Food Microbiology, 2013, 166, 494-498.	2.1	76
229	Ultraviolet reduction of erythromycin and tetracycline resistant heterotrophic bacteria and their resistance genes in municipal wastewater. Chemosphere, 2013, 93, 2864-2868.	4.2	103
230	UV-C treatment using a Dean vortex technology — impact on apple juice enzymes and toxicological potential. Innovative Food Science and Emerging Technologies, 2013, 20, 238-243.	2.7	20
231	UV Effects on Living Organisms. , 2013, , 609-688.		4
231 232	UV Effects on Living Organisms. , 2013, , 609-688. Biofilms in drinking water: problems and solutions. RSC Advances, 2013, 3, 2520-2533.	1.7	4 142
231 232 233	UV Effects on Living Organisms. , 2013, , 609-688. Biofilms in drinking water: problems and solutions. RSC Advances, 2013, 3, 2520-2533. Development of a tri-parameter online monitoring system for UV disinfection reactors. Chemical Engineering Journal, 2013, 222, 101-107.	1.7	4 142 16
231 232 233 233	UV Effects on Living Organisms. , 2013, , 609-688. Biofilms in drinking water: problems and solutions. RSC Advances, 2013, 3, 2520-2533. Development of a tri-parameter online monitoring system for UV disinfection reactors. Chemical Engineering Journal, 2013, 222, 101-107. Inactivation of exogenous endoparasite stages by chemical disinfectants: current state and perspectives. Parasitology Research, 2013, 112, 917-932.	1.7 6.6 0.6	4 142 16 28
231 232 233 234 235	UV Effects on Living Organisms., 2013,, 609-688. Biofilms in drinking water: problems and solutions. RSC Advances, 2013, 3, 2520-2533. Development of a tri-parameter online monitoring system for UV disinfection reactors. Chemical Engineering Journal, 2013, 222, 101-107. Inactivation of exogenous endoparasite stages by chemical disinfectants: current state and perspectives. Parasitology Research, 2013, 112, 917-932. Effect of water treatment on the growth potential of Vibrio cholerae and Vibrio parahaemolyticus in seawater. Marine Environmental Research, 2013, 83, 10-15.	1.7 6.6 0.6 1.1	4 142 16 28 18
231 232 233 234 235	UV Effects on Living Organisms. , 2013, , 609-688. Biofilms in drinking water: problems and solutions. RSC Advances, 2013, 3, 2520-2533. Development of a tri-parameter online monitoring system for UV disinfection reactors. Chemical Engineering Journal, 2013, 222, 101-107. Inactivation of exogenous endoparasite stages by chemical disinfectants: current state and perspectives. Parasitology Research, 2013, 112, 917-932. Effect of water treatment on the growth potential of Vibrio cholerae and Vibrio parahaemolyticus in seawater. Marine Environmental Research, 2013, 83, 10-15. Wastewater Treatment by Biological Methods. , 2013, , 179-204.	1.7 6.6 0.6 1.1	4 142 16 28 18 8
231 232 233 234 235 236	UV Effects on Living Organisms. , 2013, , 609-688. Biofilms in drinking water: problems and solutions. RSC Advances, 2013, 3, 2520-2533. Development of a tri-parameter online monitoring system for UV disinfection reactors. Chemical Engineering Journal, 2013, 222, 101-107. Inactivation of exogenous endoparasite stages by chemical disinfectants: current state and perspectives. Parasitology Research, 2013, 112, 917-932. Effect of water treatment on the growth potential of Vibrio cholerae and Vibrio parahaemolyticus in seawater. Marine Environmental Research, 2013, 83, 10-15. Wastewater Treatment by Biological Methods. , 2013, , 179-204. Identification and ecotoxicity of degradation products of chloroacetamide herbicides from UV-treatment of water. Science of the Totil Environment, 2013, 458-460, 527-534.	1.7 6.6 0.6 1.1	4 142 16 28 18 8
 231 232 233 234 235 236 237 238 	UV Effects on Living Organisms., 2013, , 609-688. Biofilms in drinking water: problems and solutions. RSC Advances, 2013, 3, 2520-2533. Development of a tri-parameter online monitoring system for UV disinfection reactors. Chemical Engineering Journal, 2013, 222, 101-107. Inactivation of exogenous endoparasite stages by chemical disinfectants: current state and perspectives. Parasitology Research, 2013, 112, 917-932. Effect of water treatment on the growth potential of Vibrio cholerae and Vibrio parahaemolyticus in seawater. Marine Environmental Research, 2013, 83, 10-15. Wastewater Treatment by Biological Methods., 2013,, 179-204. Identification and ecotoxicity of degradation products of chloroacetamide herbicides from UV-treatment of water. Science of the Total Environment, 2013, 458-460, 527-534. Performance analysis of ultraviolet water disinfection reactors using computational fluid dynamics simulation. Chemical Engineering Journal, 2013, 221, 398-406.	1.7 6.6 0.6 1.1 3.9 6.6	4 142 16 28 28 18 8 8 47 45

#	Article	IF	CITATIONS
240	UV-Induced Transformation of Four Halobenzoquinones in Drinking Water. Environmental Science & Technology, 2013, 47, 4426-4433.	4.6	61
241	Production of Photo-oxidants by Dissolved Organic Matter During UV Water Treatment. Environmental Science & Technology, 2013, 47, 11726-11733.	4.6	101
242	Halobenzoquinones in Swimming Pool Waters and Their Formation from Personal Care Products. Environmental Science & Technology, 2013, 47, 3275-3282.	4.6	121
243	Alternate Indicator Organisms for Reclaimed Water in North Carolina. Proceedings of the Water Environment Federation, 2013, 2013, 107-114.	0.0	0
244	Physicochemical Quality and Chemical Safety of Chlorine as a Reconditioning Agent and Wash Water Disinfectant for Fresh-Cut Lettuce Washing. Applied and Environmental Microbiology, 2013, 79, 2850-2861.	1.4	178
245	Mechanism of the Synergistic Inactivation of Escherichia coli by UV-C Light at Mild Temperatures. Applied and Environmental Microbiology, 2013, 79, 4465-4473.	1.4	48
246	Natural persistence of food- and waterborne viruses. , 2013, , 179-204.		4
247	Antiviral effect of cationic compounds on bacteriophages. Frontiers in Microbiology, 2013, 4, 46.	1.5	46
248	Disinfection Methods for Treating Low TOC, Light Graywater to California Title 22 Water Reuse Standards. Journal of Environmental Engineering, ASCE, 2013, 139, 1137-1145.	0.7	25
249	Factors Capable of Modifying the Response of Pseudomonas aeruginosa to the Inactivation Induced by Heterogeneous Photocatalysis. International Journal of Chemical Reactor Engineering, 2013, 11, 773-779.	0.6	0
250	Comparison of culture and qPCR methods in detection of mycobacteria from drinking waters. Canadian Journal of Microbiology, 2013, 59, 280-286.	0.8	12
251	A Decision Support Tool to Compare Waterborne and Foodborne Infection and/or Illness Risks Associated with Climate Change. Risk Analysis, 2013, 33, 2154-2167.	1.5	59
252	Assessment of human adenovirus removal by qPCR in an advanced water reclamation plant in Georgia, USA. Journal of Applied Microbiology, 2013, 115, 310-318.	1.4	8
253	Comparison of the UV-Induced Photolysis, Ozonation, and Their Combination at the Same Energy Input Using a Self-Devised Experimental Apparatus. Ozone: Science and Engineering, 2013, 35, 350-358.	1.4	4
254	Inactivation of MS2 Phage and Cryptosporidium parvum Oocysts Using UV-A from High-Intensity Light-Emitting Diode for Water Disinfection. Journal of Water and Environment Technology, 2013, 11, 299-307.	0.3	4
255	Treatment of Acanthamoeba Keratitis by Corneal Cross-linking. Cornea, 2013, 32, 174-178.	0.9	48
256	The Role of Environmental Reservoirs in Human Campylobacteriosis. International Journal of Environmental Research and Public Health, 2013, 10, 5886-5907.	1.2	143
257	A Comparison between Ultraviolet Disinfection and Copper Alginate Beads within a Vortex Bioreactor for the Deactivation of Bacteria in Simulated Waste Streams with High Levels of Colour, Humic Acid and Suspended Solids. PLoS ONE, 2014, 9, e115688.	1.1	1

# 258	ARTICLE Transformation of pharmaceuticals during oxidation/disinfection processes in drinking water treatment. Journal of Hazardous Materials, 2014, 279, 461-475.	IF 6.5	CITATIONS
259	UVC Inactivation of dsDNA and ssRNA Viruses in Water: UV Fluences and a qPCR-Based Approach to Evaluate Decay on Viral Infectivity. Food and Environmental Virology, 2014, 6, 260-268.	1.5	44
260	Online monitoring ofEscherichia coliandBacillus thuringiensisspore inactivation after advanced oxidation treatment. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 933-939.	0.9	3
261	Inactivation of MS2 coliphage by UV and hydrogen peroxide: Comparison by cultural and molecular methodologies. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 397-403.	0.9	16
262	Giardia duodenalis: Number and Fluorescence Reduction Caused by the Advanced Oxidation Process (H2O2/UV). International Scholarly Research Notices, 2014, 2014, 1-7.	0.9	4
263	Inactivation of Bacteriophage Infecting <i>Bacteroides</i> Strain <scp>GB</scp> 124 Using <scp>UV</scp> â€B Radiation. Photochemistry and Photobiology, 2014, 90, 622-627.	1.3	6
264	Control of waterborne microbes in irrigation: A review. Agricultural Water Management, 2014, 143, 9-28.	2.4	73
265	Capsid-Damaging Effects of UV Irradiation as Measured by Quantitative PCR Coupled with Ethidium Monoazide Treatment. Food and Environmental Virology, 2014, 6, 269-275.	1.5	32
266	Acanthamoeba. , 2014, , 263-276.		0
267	Biological Aspects in Food Preservation by Ultraviolet Light: a Review. Food and Bioprocess Technology, 2014, 7, 1-20.	2.6	159
268	Inactivation of airborne <i>Enterococcus faecalis</i> and infectious bursal disease virus using a pilot-scale ultraviolet photocatalytic oxidation scrubber. Journal of the Air and Waste Management Association, 2014, 64, 38-46.	0.9	17
269	Photodegradation of the azole fungicide fluconazole in aqueous solution under UV-254: Kinetics, mechanistic investigations and toxicity evaluation. Water Research, 2014, 52, 83-91.	5.3	50
270	Methodologies for the analysis of antimicrobial effects of immobilized photocatalytic materials. Applied Microbiology and Biotechnology, 2014, 98, 1925-1936.	1.7	9
271	Resistance of Staphylococcus aureus to UV-C light and combined UV-heat treatments at mild temperatures. International Journal of Food Microbiology, 2014, 172, 30-39.	2.1	38
272	Effects of combined UV and chlorine disinfection on corrosion and water quality within reclaimed water distribution systems. Engineering Failure Analysis, 2014, 39, 12-20.	1.8	27
273	Transformation of the artificial sweetener acesulfame by UV light. Science of the Total Environment, 2014, 481, 425-432.	3.9	48
274	Decay of Fecal Indicator Bacterial Populations and Bovine-Associated Source-Tracking Markers in Freshly Deposited Cow Pats. Applied and Environmental Microbiology, 2014, 80, 110-118.	1.4	49
275	Ketoprofen removal by O3 and O3/UV processes: Kinetics, transformation products and ecotoxicity. Science of the Total Environment, 2014, 472, 178-184.	3.9	87

#	Article	IF	CITATIONS
276	Elucidation of transformation pathway of ketoprofen, ibuprofen, and furosemide in surface water and their occurrence in the aqueous environment using UHPLC-QTOF-MS. Analytical and Bioanalytical Chemistry, 2014, 406, 3667-3680.	1.9	63
277	Ultraviolet Disinfection. , 2014, , 617-630.		15
278	A Quantitative Risk Assessment of Verotoxigenic <i>E. coli</i> (VTEC) in Private Groundwater Sources in the Republic of Ireland. Human and Ecological Risk Assessment (HERA), 2014, 20, 1446-1468.	1.7	34
279	Comparison of sterilization efficiency of pulsed and continuous UV light using tunable frequency UV system. Innovative Food Science and Emerging Technologies, 2014, 26, 220-225.	2.7	20
280	The occurrence of <i>Naegleria fowleri</i> in recreational waters in Arizona. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 1322-1330.	0.9	27
281	Quantification of relative proportions of intact cells in microbiological samples using the example of <i>Cryptosporidium parvum</i> oocysts. Letters in Applied Microbiology, 2014, 58, 70-78.	1.0	10
282	Improvement of ballast water disinfection using a photocatalytic (<scp>UV</scp> +) Tj ETQq0 0 0 rgBT /Over Technology and Biotechnology, 2014, 89, 1203-1210.	lock 10 Tf 1.6	50 507 Td (28
283	Treating cell culture media with UV irradiation against adventitious agents: Minimal impact on CHO performance. Biotechnology Progress, 2014, 30, 1190-1195.	1.3	26
284	Inactivation of <i>Bacillus subtilis</i> Spores Using Various Combinations of Ultraviolet Treatment with Addition of Hydrogen Peroxide. Photochemistry and Photobiology, 2014, 90, 609-614.	1.3	22
285	UV disinfection of secondary water supply: Online monitoring with micro-fluorescent silica detectors. Chemical Engineering Journal, 2014, 255, 165-170.	6.6	14
286	Photovoltaic powered ultraviolet and visible light-emitting diodes for sustainable point-of-use disinfection of drinking waters. Science of the Total Environment, 2014, 493, 185-196.	3.9	71
287	Toxicity on aquatic organisms exposed to secondary effluent disinfected with chlorine, peracetic acid, ozone and UV radiation. Ecotoxicology, 2014, 23, 1803-1813.	1.1	67
288	Investigation of UV–TiO2 photocatalysis and its mechanism in Bacillus subtilis spore inactivation. Journal of Environmental Sciences, 2014, 26, 1943-1948.	3.2	25
289	Ultraviolet radiation pre-treatment modifies dairy wastewater, improving its utility as a medium for algal cultivation. Algal Research, 2014, 6, 98-110.	2.4	19
290	Improved Hydrogen Production in the Microbial Electrolysis Cell by Inhibiting Methanogenesis Using Ultraviolet Irradiation. Environmental Science & Technology, 2014, 48, 10482-10488.	4.6	63
291	Using coagulation to restrict microbial re-growth in tap water by phosphate limitation in water treatment. Journal of Hazardous Materials, 2014, 280, 348-355.	6.5	16
292	Elucidating bacterial regrowth: Effect of disinfection conditions in dark storage of solar treated secondary effluent. Journal of Photochemistry and Photobiology A: Chemistry, 2014, 290, 43-53.	2.0	35
293	405 nm light technology for the inactivation of pathogens and its potential role for environmental disinfection and infection control. Journal of Hospital Infection, 2014, 88, 1-11.	1.4	118

(

#	Article	IF	CITATIONS
294	Synthesis of highly conductive cotton fiber/nanostructured silver/polyaniline composite membranes for water sterilization application. Materials Research Express, 2014, 1, 035010.	0.8	13
296	Effect of UV irradiation (253.7Ânm) on free Legionella and Legionella associated with its amoebae hosts. Water Research, 2014, 67, 299-309.	5.3	46
297	Investigating a lotic microbial community following a severe detergent spill. Archives of Microbiology, 2014, 196, 119-124.	1.0	0
298	Bactericidal Agents Produced by Surface Micro-Discharge (SMD) Plasma by Controlling Gas Compositions. Plasma Processes and Polymers, 2014, 11, 426-436.	1.6	30
299	Evaluation of DNA damage reversal during medium-pressure UV disinfection. Water Research, 2014, 56, 181-189.	5.3	38
300	Use of P-1 model with the additional source term for numerical simulation of ultraviolet radiation in a photoreactor. Korean Journal of Chemical Engineering, 2014, 31, 956-960.	1.2	2
301	Airborne Microorganisms From Livestock Production Systems and Their Relation to Dust. Critical Reviews in Environmental Science and Technology, 2014, 44, 1071-1128.	6.6	79
302	Inactivation of pathogenic dermatophytes by ultraviolet irradiation in swimming pool thermal water. International Journal of Environmental Health Research, 2014, 24, 412-417.	1.3	10
303	Factors affecting UV/H2O2 inactivation of Bacillus atrophaeus spores in drinking water. Journal of Photochemistry and Photobiology B: Biology, 2014, 134, 9-15.	1.7	13
304	A probabilistic quantitative microbial risk assessment model of norovirus disease burden from wastewater irrigation of vegetables in Shepparton, Australia. Water Research, 2014, 54, 347-362.	5.3	83
306	Humane Care and Use of Laboratory Animals in Toxicology Research. , 2014, , 1023-1080.		0
309	Comparison between Chlorination and UV Disinfection of Untreated Wastewater after Disasters. Journal of Water and Environment Technology, 2014, 12, 321-331.	0.3	Ο
310	Simultaneous Irradiation with Different Wavelengths of Ultraviolet Light has Synergistic Bactericidal Effect on <i>Vibrio parahaemolyticus</i> . Photochemistry and Photobiology, 2014, 90, 1397-1403.	1.3	41
311	Progress in Slow Sand and Alternative Biofiltration Processes. Water Intelligence Online, 0, 13, .	0.3	2
312	Use of UV, Ozone, and Chlorine for a Multi Barrier Disinfection Approach in Melbourne, Australia. Proceedings of the Water Environment Federation, 2014, 2014, 4321-4334.	0.0	0
313	A New Method for the Validation of Ultraviolet Reactors by Means of Photochromic Materials. Food and Bioprocess Technology, 2015, 8, 2192-2211.	2.6	11
314	Shifts in the gut microbiome observed in wildlife faecal samples exposed to natural weather conditions: lessons from timeâ€series analyses using nextâ€generation sequencing for application in field studies. Methods in Ecology and Evolution, 2015, 6, 1080-1087.	2.2	27
315	Quantifying ultraviolet inactivation kinetics in nearly opaque fluids. Water Quality Research Journal of Canada, 2015, 50, 34-46.	1.2	1

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#	Article	IF	CITATIONS
316	Inactivation Characteristics and Modeling of Mold Spores by UV-C Radiation Based on Irradiation Dose. Food Science and Technology Research, 2015, 21, 365-370.	0.3	10
317	Comparison between ultrafiltration and nanofiltration hollow-fiber membranes for removal of natural organic matter–a pilot study. Journal of Water Supply: Research and Technology - AQUA, 0, , jws2015065.	0.6	9
318	Effect of sodium alginate on UVC inactivation of coliphage MS2. RSC Advances, 2015, 5, 104779-104784.	1.7	1
319	Quantification of pathogen inactivation efficacy by free chlorine disinfection of drinking water for QMRA. Journal of Water and Health, 2015, 13, 625-644.	1.1	20
320	Disinfection of Wastewater EffluentComparison of Alternative Technologies. Water Intelligence Online, 2015, 7, 9781780403670-9781780403670.	0.3	5
321	AQUAPONICS AND FOOD SAFETY: EFFECTS OF UV STERILIZATION ON TOTAL COLIFORMS AND LETTUCE PRODUCTION. Acta Horticulturae, 2015, , 71-76.	0.1	10
322	Identification and Purification of the <scp>CPD</scp> Photolyase in <i>Vibrio parahaemolyticus </i> RIMD2210633. Photochemistry and Photobiology, 2015, 91, 1165-1172.	1.3	3
323	Creating a completely "cellâ€free―system for protein synthesis. Biotechnology Progress, 2015, 31, 1716-1719.	1.3	30
324	Inactivation of <i>Escherichia Coli</i> O157:H7 and <i>Salmonella Enterica</i> on Blueberries in Water Using Ultraviolet Light. Journal of Food Science, 2015, 80, M1532-7.	1.5	41
325	Ultraviolet Light (UV) Inactivation of Porcine Parvovirus in Liquid Plasma and Effect of UV Irradiated Spray Dried Porcine Plasma on Performance of Weaned Pigs. PLoS ONE, 2015, 10, e0133008.	1.1	13
326	Study of sequential disinfection for the inactivation of protozoa and indicator microorganisms in wastewater. Acta Scientiarum - Technology, 2015, 37, 203.	0.4	12
327	Occurrence and Control of Legionella in Recycled Water Systems. Pathogens, 2015, 4, 470-502.	1.2	34
328	Water Treatment for Centre and Home-Based Haemodialysis. , 2015, , .		3
329	Disinfection. , 2015, , 645-662.		7
330	Drinking Waterâ~†. , 2015, , 63-63.		1
331	UV-Heat Treatments for the Control of Foodborne Microbial Pathogens in Chicken Broth. BioMed Research International, 2015, 2015, 1-12.	0.9	14
332	Application of Artificial Neural Network and Genetic Programming in Modeling and Optimization of Ultraviolet Water Disinfection Reactors. Chemical Engineering Communications, 2015, 202, 1415-1424.	1.5	16
333	Reduction in toxicity of wastewater from three wastewater treatment plants to alga (Scenedesmus) Tj ETQq1 1	0.784314 2.9	rgðð /Overlo

#	Article	IF	CITATIONS
334	A comparative study of disinfection efficiency and regrowth control of microorganism in secondary wastewater effluent using UV, ozone, and ionizing irradiation process. Journal of Hazardous Materials, 2015, 295, 201-208.	6.5	94
335	Fate of Foodborne Viruses in the "Farm to Fork―Chain of Fresh Produce. Comprehensive Reviews in Food Science and Food Safety, 2015, 14, 755-770.	5.9	48
336	Light wavelength-dependent E. coli survival changes after simulated solar disinfection of secondary effluent. Photochemical and Photobiological Sciences, 2015, 14, 2238-2250.	1.6	12
337	Treatment of NOM fractions of reservoir sediments: Effect of UV and chlorination on formation of DBPs. Separation and Purification Technology, 2015, 154, 228-235.	3.9	32
338	Efficient management of the water resource in the fresh-cut industry: Current status and perspectives. Trends in Food Science and Technology, 2015, 46, 286-294.	7.8	33
339	Efficiency evaluation of solar photolysis and solar photocatalysis processes used for the wastewater disinfection. Desalination and Water Treatment, 2015, 53, 2049-2058.	1.0	6
340	Disinfection methods and by-products formation. Desalination and Water Treatment, 2015, 56, 1150-1161.	1.0	17
341	Modelling microbial inactivation kinetics of combined UV-H treatments in apple juice. Innovative Food Science and Emerging Technologies, 2015, 27, 111-120.	2.7	35
342	What have we learned from worldwide experiences on the management and treatment of hospital effluent? — An overview and a discussion on perspectives. Science of the Total Environment, 2015, 514, 467-491.	3.9	242
343	Bactericidal Activity of Ag Nanoparticles Decorated TiO ₂ Microspheres and Effects of Water Composition and Extracellular Polymeric Substances. Clean - Soil, Air, Water, 2015, 43, 512-520.	0.7	6
344	Improved Method for Real-Time Fluence Monitoring in UV Reactors. Journal of Environmental Engineering, ASCE, 2015, 141, .	0.7	4
345	Health risks derived from consumption of lettuces irrigated with tertiary effluent containing norovirus. Food Research International, 2015, 68, 70-77.	2.9	33
346	Wastewater disinfection using ultraviolet (UVA, UVC) and solar radiation. Desalination and Water Treatment, 2015, 56, 2646-2652.	1.0	4
347	Sunlight Inactivation of Viruses in Open-Water Unit Process Treatment Wetlands: Modeling Endogenous and Exogenous Inactivation Rates. Environmental Science & Technology, 2015, 49, 2757-2766.	4.6	53
348	Decontamination of the Hospital Environment: New Technologies for Infection Control. Current Treatment Options in Infectious Diseases, 2015, 7, 39-51.	0.8	8
349	Photoreactivation and subsequent solar disinfection of Escherichia coli in UV-disinfected municipal wastewater under natural conditions. Water Science and Technology, 2015, 71, 220-226.	1.2	7
350	Application of water-assisted ultraviolet light processing on the inactivation of murine norovirus on blueberries. International Journal of Food Microbiology, 2015, 214, 18-23.	2.1	36
351	A hydrodynamics-based approach to evaluating the risk of waterborne pathogens entering drinking water intakes in a large, stratified lake. Water Research, 2015, 83, 227-236.	5.3	29

#	Article	IF	CITATIONS
352	Effects of water matrix on virus inactivation using common virucidal techniques for condensate urine disinfection. Chemosphere, 2015, 136, 118-124.	4.2	20
353	Photoreactivation of Escherichia coli is impaired at high growth temperatures. Journal of Photochemistry and Photobiology B: Biology, 2015, 147, 37-46.	1.7	12
354	Disinfection by-product formation during seawater desalination: A review. Water Research, 2015, 81, 343-355.	5.3	164
355	Design aspects of UV/H2O2 reactors. Chemical Engineering Science, 2015, 137, 712-721.	1.9	20
356	Applicability of integrated cell culture quantitative PCR (ICC-qPCR) for the detection of infectious adenovirus type 2 in UV disinfection studies. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 777-787.	0.9	17
357	Virus Sensitivity Index of UV disinfection. Environmental Technology (United Kingdom), 2015, 36, 1464-1475.	1.2	7
358	Conventional and Advanced Oxidation Processes Used in Disinfection of Treated Urban Wastewater. Water Environment Research, 2015, 87, 281-288.	1.3	24
359	Controlling Nitrosamines, Nitramines, and Amines in Amine-Based CO ₂ Capture Systems with Continuous Ultraviolet and Ozone Treatment of Washwater. Environmental Science & Technology, 2015, 49, 8878-8886.	4.6	24
360	The impact of dose, irradiance and growth conditions on <i>Aspergillus niger</i> (renamed <i>A.) Tj ETQq0 0 0 rgBT Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 341-347.</i>	Overloc	k 10 Tf 50 4 12
361	Inactivation of Escherichia coli O157:H7, Salmonella and human norovirus surrogate on artificially contaminated strawberries and raspberries by water-assisted pulsed light treatment. Food Research International, 2015, 72, 1-7.	2.9	40
362	Assessment of the antifouling effect of five different treatment strategies on a seawater cooling system. Applied Thermal Engineering, 2015, 85, 124-134.	3.0	45
363	Selection Criteria for Water Disinfection Techniques in Agricultural Practices. Critical Reviews in Food Science and Nutrition, 2015, 55, 1529-1551.	5.4	59
364	Environmental and Human Pathogenic Microorganisms. , 2015, , 619-658.		1
365	Efficacy of Pulsed UV-Light Treatment on Wastewater Effluent Disinfection and Suspended Solid Reduction. Journal of Environmental Engineering, ASCE, 2015, 141, .	0.7	8
366	UV irradiation responses in Giardia intestinalis. Experimental Parasitology, 2015, 154, 25-32.	0.5	30
367	Previous physicochemical stress exposures influence subsequent resistance of Escherichia coli O157:H7, Salmonella enterica, and Listeria monocytogenes to ultraviolet-C in coconut liquid endosperm beverage. International Journal of Food Microbiology, 2015, 201, 7-16.	2.1	29
368	Resistance of Aerosolized Bacterial Viruses to Relative Humidity and Temperature. Applied and Environmental Microbiology, 2015, 81, 7305-7311.	1.4	38
369	Field efficacy evaluation and post-treatment contamination risk assessment of an ultraviolet disinfection and safe storage system. Water Research, 2015, 85, 74-84.	5.3	14

#	Article	IF	CITATIONS
370	Identification of phototransformation products of the antiepileptic drug gabapentin: Biodegradability and initial assessment of toxicity. Water Research, 2015, 85, 11-21.	5.3	55
371	Treatment stage associated changes in cellular and molecular microbial markers during the production of drinking water at theÂVansjÃ, water works. Water Research, 2015, 81, 240-249.	5.3	2
372	Impacts of Advanced Oxidation Processes on Microbiomes During Wastewater Treatment. Handbook of Environmental Chemistry, 2015, , 129-144.	0.2	1
373	Pollutants in Buildings, Water and Living Organisms. Environmental Chemistry for A Sustainable World, 2015, , .	0.3	5
374	Response to Comment on "UV Disinfection Induces a VBNC State in <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> ― Environmental Science & Technology, 2015, 49, 10752-10753.	4.6	5
375	Bacteria sensitivity index of UV disinfection of bacteria with shoulder effect. Journal of Environmental Chemical Engineering, 2015, 3, 2588-2596.	3.3	4
376	Comment on "UV Disinfection Induces a VBNC State in <i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> â€: Environmental Science & Technology, 2015, 49, 10750-10751.	4.6	5
377	An electrically injected AlGaN nanowire laser operating in the ultraviolet-C band. Applied Physics Letters, 2015, 107, .	1.5	78
379	Effect of UV Light on the Inactivation of Recombinant Human Adenovirus and Murine Norovirus Seeded in Seawater in Shellfish Depuration Tanks. Food and Environmental Virology, 2015, 7, 67-75.	1.5	22
380	Action spectra for validation of pathogen disinfection in medium-pressure ultraviolet (UV) systems. Water Research, 2015, 70, 27-37.	5.3	120
381	Assessment of Coliphage Surrogates for Testing Drinking Water Treatment Devices. Food and Environmental Virology, 2015, 7, 27-31.	1.5	0
382	Fish canning industry wastewater treatment for water reuse – a case study. Journal of Cleaner Production, 2015, 87, 603-612.	4.6	81
383	Feasibility of radiation technology for wastewater treatment. Desalination and Water Treatment, 2015, 55, 2053-2068.	1.0	14
384	A computational study of the effect of lamp arrangements on the performance of ultraviolet water disinfection reactors. Chemical Engineering Science, 2015, 122, 299-306.	1.9	39
385	Surrogate organisms for pathogenic O157:H7 and non-O157 Escherichia coli strains for apple juice treatments by UV-C light at three monochromatic wavelengths. Food Control, 2015, 47, 647-655.	2.8	33
386	Assessment of oxidative and UV-C treatments for inactivating bacterial biofilms from groundwater wells. Frontiers of Environmental Science and Engineering, 2015, 9, 39-49.	3.3	11
387	Survival and fatty acid composition of UV-C treated Staphylococcus aureus. Annals of Microbiology, 2015, 65, 235-240.	1.1	6
388	A Spike Cocktail Approach to Improve Microbial Performance Monitoring for Water Reuse. Water Environment Research, 2016, 88, 824-837.	1.3	9

ARTICLE IF CITATIONS Damage mechanisms of pathogenic bacteria in drinking water during chlorine and solar disinfection. 389 0.1 2 International Journal of Biological and Chemical Sciences, 2016, 10, 519. Evaluation of Corneal Cross-Linking for Treatment of Fungal Keratitis: Using Confocal Laser Scanning Microscopy on an Ex Vivo Human Corneal Model., 2016, 57, 6367. The Effect of UV and Combined Chlorine/UV Treatment on Coliphages in Drinking Water Disinfection. 391 1.2 32 Water (Switzerland), 2016, 8, 130. Pathogen and Particle Associations in Wastewater. Advances in Applied Microbiology, 2016, 97, 63-119. 109 Persistence of Low Pathogenic Influenza A Virus in Water: A Systematic Review and Quantitative 393 1.1 25 Meta-Analysis. PLoS ONE, 2016, 11, e0161929. Chlorine/UV Process for Decomposition and Detoxification of Microcystin-LR. Environmental Science & amp; Technology, 2016, 50, 7671-7678. 394 4.6 Microbial communities in various waters used for fish larval rearing. Aquaculture Research, 2016, 47, 395 0.9 4 370-378. Effects of Arrangement of <scp>UV</scp> Lightâ€Emitting Diodes on the Inactivation Efficiency of 396 1.3 Microorganisms in Water. Photochemistry and Photobiology, 2016, 92, 314-317. Dark Period Following UV-C Treatment Enhances Killing of <i>Botrytis cinerea</i> 397 1.1 53 Controls Gray Mold of Strawberries. Phytopathology, 2016, 106, 386-394. The effect of chlorine and combined chlorine/UV treatment on coliphages in drinking water 1.1 disinfection. Journal of Water and Health, 2016, 14, 640-649. Optimization of the synthesis process of an iron oxide nanocatalyst supported on activated carbon 399 for the inactivation of Ascaris eggs in water using the heterogeneous Fenton-like reaction. Water 1.2 6 Science and Technology, 2016, 73, 1000-1009. Comparison of ultraviolet light-emitting diodes and low-pressure mercury-arc lamps for disinfection 400 1.2 58 of water. Environmental Technology (United Kingdom), 2016, 37, 2183-2188. Modeling the supercritical carbon dioxide inactivation of Staphylococcus aureus, Escherichia coli and Bacillus subtilis in human body fluids clinical waste. Chemical Engineering Journal, 2016, 296, 401 6.6 12 173-181. Numerical Simulation of the Arrangement of Baffles on Radiation Distribution and Disinfection in UV Reactors. Chemical Engineering and Technology, 2016, 39, 108-114. Estimating the burden of acute gastrointestinal illness due to<i>Giardia, Cryptosporidium, 403 Campylobacter, E. coli</i>
</i> 1.0 82 in Canada. Epidemiology and Infection, 2016, 144, 1355-1370. Application of UV Light–Emitting Diodes to Adenovirus in Water. Journal of Environmental 404 Engineering, ASCE, 2016, 142, . Removal characteristics and fluctuation of norovirus in a pilot-plant by an ultrafiltration membrane 405 for the reclamation of treated sewage. Environmental Technology (United Kingdom), 2016, 37, 1.2 9 2793-2801. UV disinfection and flocculation-chlorination sachets to reduce hepatitis E virus in drinking water. 2.1 International Journal of Hygiene and Environmental Health, 2016, 219, 405-411.

#	Article	IF	CITATIONS
407	Rose Bengal– and Riboflavin-Mediated Photodynamic Therapy to Inhibit Methicillin-Resistant Staphylococcus aureus Keratitis Isolates. American Journal of Ophthalmology, 2016, 166, 194-202.	1.7	59
408	Effects of UV-based treatment on volatile disinfection byproducts in a chlorinated, indoor swimming pool. Water Research, 2016, 105, 167-177.	5.3	51
409	Ar/O2 Argon-Based Round Atmospheric-Pressure Plasma Jet on Sterilizing Bacteria and Endospores. IEEE Transactions on Plasma Science, 2016, 44, 3140-3147.	0.6	21
410	Bactericidal activity and mechanism of Ti-doped BiOI microspheres under visible light irradiation. Colloids and Surfaces B: Biointerfaces, 2016, 147, 307-314.	2.5	36
411	The response of aggregated Pseudomonas putida CP1 cells to UV-C and UV-A/B disinfection. World Journal of Microbiology and Biotechnology, 2016, 32, 185.	1.7	8
412	Understanding, Monitoring, and Controlling Biofilm Growth in Drinking Water Distribution Systems. Environmental Science & Technology, 2016, 50, 8954-8976.	4.6	302
413	Riboflavin and ultraviolet A as adjuvant treatment against <i>Acanthamoeba</i> cysts. Clinical and Experimental Ophthalmology, 2016, 44, 181-187.	1.3	15
414	Factors affecting THM, HAN and HNM formation during UV-chlor(am)ination of drinking water. Chemical Engineering Journal, 2016, 306, 1180-1188.	6.6	36
415	Experimental and in silico assessment of fate and effects of the antipsychotic drug quetiapine and its bio- and phototransformation products in aquatic environments. Environmental Pollution, 2016, 218, 66-76.	3.7	12
416	Rapid water disinfection using vertically aligned MoS2 nanofilms and visible light. Nature Nanotechnology, 2016, 11, 1098-1104.	15.6	681
417	Degradation of DEET and Caffeine under UV/Chlorine and Simulated Sunlight/Chlorine Conditions. Environmental Science & Technology, 2016, 50, 13265-13273.	4.6	192
418	Effects of water quality on inactivation and repair of Microcystis viridis and Tetraselmis suecica following medium-pressure UV irradiation. Chemosphere, 2016, 163, 209-216.	4.2	25
419	Ensuring safe reuse of residential wastewater: reduction of microbes and genes using peat biofilter and batch chlorination in an on-site treatment system. Journal of Applied Microbiology, 2016, 121, 1777-1788.	1.4	10
420	Efficacy of wastewater treatment on Arcobacter butzleri density and strain diversity. Water Research, 2016, 105, 291-296.	5.3	20
421	Occurrence of enteric viruses in reclaimed and surface irrigation water: relationship with microbiological and physicochemical indicators. Journal of Applied Microbiology, 2016, 121, 1180-1188.	1.4	37
422	Long amplicon (LA)-qPCR for the discrimination of infectious and noninfectious phix174 bacteriophages after UV inactivation. Water Research, 2016, 103, 141-148.	5.3	38
423	Continuous treatment of non-sterile hospital wastewater by Trametes versicolor: How to increase fungal viability by means of operational strategies and pretreatments. Journal of Hazardous Materials, 2016, 318, 561-570.	6.5	49
424	Modeling and kinetic characterization of wastewater disinfection using chlorine and UV irradiation. Environmental Science and Pollution Research, 2016, 23, 19861-19875.	2.7	20

#	Article	IF	CITATIONS
425	Configuration optimization of UV reactors for water disinfection with computational fluid dynamics: Feasibility of using particle minimum UV dose as a performance indicator. Chemical Engineering Journal, 2016, 306, 1-8.	6.6	34
426	Application of pulsed UV-irradiation and pre-coagulation to control ultrafiltration membrane fouling in the treatment of micro-polluted surface water. Water Research, 2016, 107, 83-92.	5.3	55
427	Evaluation of propidium monoazide and long-amplicon qPCR as an infectivity assay for coliphage. Journal of Virological Methods, 2016, 238, 48-55.	1.0	12
428	Harvested Rainwater Quality Before and After Treatment and Distribution in Residential Systems. Journal - American Water Works Association, 2016, 108, .	0.2	19
429	Conventional and Alternative Disinfection Methods of Legionella in Water Distribution Systems – Review. Construction Science, 2016, 19, .	0.1	4
430	Inactivation of indicator organisms in wastewater treated by a high rate algal pond system. Journal of Applied Microbiology, 2016, 121, 577-586.	1.4	40
431	Evaluation of ultraviolet disinfection of microalgae by growth modeling: application to ballast water treatment. Journal of Applied Phycology, 2016, 28, 2831-2842.	1.5	30
432	UV disinfection of Staphylococcus aureus in ballast water: Effect of growth phase on the disinfection kinetics and the mechanization at molecular level. Science China Technological Sciences, 2016, 59, 330-336.	2.0	8
433	Synthesis and characterization of the NiFe2O4@TEOS–TPS@Ag nanocomposite and investigation of its antibacterial activity. Applied Surface Science, 2016, 385, 506-514.	3.1	20
434	Inactivation of Asterionellopsis glacialis in seawater using combinations of deep ultraviolet light emitting diodes. Separation and Purification Technology, 2016, 169, 247-252.	3.9	13
435	Comparative resistances of selected spoilage and pathogenic bacteria in ultraviolet-C-treated, turbulent-flowing young coconut liquid endosperm. Food Control, 2016, 69, 134-140.	2.8	20
436	Metagenomic insights into ultraviolet disinfection effects on antibiotic resistome in biologically treated wastewater. Water Research, 2016, 101, 309-317.	5.3	91
437	Investigation of pathogen disinfection and regrowth in a simple graywater recycling system for toilet flushing. Desalination and Water Treatment, 2016, 57, 26174-26186.	1.0	8
438	Application of hexagonal boron nitride micropowder for thermoluminescent dosimetry of UV radiation. Radiation Measurements, 2016, 90, 205-209.	0.7	6
439	Public health significance of zoonotic Cryptosporidium species in wildlife: Critical insights into better drinking water management. International Journal for Parasitology: Parasites and Wildlife, 2016, 5, 88-109.	0.6	142
440	Stress response of <i>Escherichia coli</i> induced by surface streamer discharge in humid air. Journal Physics D: Applied Physics, 2016, 49, 075401.	1.3	11
441	Inactivation of <i>Escherichia coli</i> , Bacteriophage MS2, and <i>Bacillus</i> Spores under UV/H ₂ O ₂ and UV/Peroxydisulfate Advanced Disinfection Conditions. Environmental Science & Technology, 2016, 50, 4448-4458.	4.6	194
442	Photocatalytic ozonation of urban wastewater and surface water using immobilized TiO2 with LEDs: Micropollutants, antibiotic resistance genes and estrogenic activity. Water Research, 2016, 94, 10-22.	5.3	185

#	Article	IF	CITATIONS
443	Antimicrobial Activity of the Manganese Photoactivated Carbon Monoxide-Releasing Molecule [Mn(CO) ₃ (tpa-f² ³ <i>N</i>)] ⁺ Against a Pathogenic <i>Escherichia coli</i> that Causes Urinary Infections. Antioxidants and Redox Signaling, 2016, 24, 765-780.	2.5	56
444	Advanced Treatment Technologies for Urban Wastewater Reuse. Handbook of Environmental Chemistry, 2016, , .	0.2	10
445	Evaluation of three full-scale stormwater treatment systems with respect to water yield, pathogen removal efficacy and human health risk from faecal pathogens. Science of the Total Environment, 2016, 543, 691-702.	3.9	26
446	Analytical characterization, occurrence, transformation, and removal of the emerging disinfection byproducts halobenzoquinones in water. TrAC - Trends in Analytical Chemistry, 2016, 85, 97-110.	5.8	69
447	A review on recent development in non-conventional food sterilization technologies. Journal of Food Engineering, 2016, 182, 33-45.	2.7	237
448	Application of ultraviolet light-emitting diodes (UV-LEDs) for water disinfection: A review. Water Research, 2016, 94, 341-349.	5.3	597
449	Beyond the Pipeline: Assessing the Efficiency Limits of Advanced Technologies for Solar Water Disinfection. Environmental Science and Technology Letters, 2016, 3, 73-80.	3.9	52
450	Improvement of cutaneous microcirculation by cold atmospheric plasma (CAP): Results of a controlled, prospective cohort study. Microvascular Research, 2016, 104, 55-62.	1.1	72
451	Bactericidal activity and mechanism of AgI/AgBr/BiOBr0.7510.25 under visible light irradiation. Colloids and Surfaces B: Biointerfaces, 2016, 138, 102-109.	2.5	34
452	Comparison of UV-Induced Inactivation and RNA Damage in MS2 Phage across the Germicidal UV Spectrum. Applied and Environmental Microbiology, 2016, 82, 1468-1474.	1.4	132
453	Perspectives and applications of nanotechnology in water treatment. Environmental Chemistry Letters, 2016, 14, 1-14.	8.3	114
454	Considerable discrepancies among HPC, ATP, and FCM detection methods in evaluating the disinfection efficiency of Gram-positive and -negative bacterium by ultraviolet radiation and chlorination. Desalination and Water Treatment, 2016, 57, 17537-17546.	1.0	27
455	Solar Disinfection of Viruses in Polyethylene Terephthalate Bottles. Applied and Environmental Microbiology, 2016, 82, 279-288.	1.4	38
456	On the use of the serial dilution culture method to enumerate viable phytoplankton in natural communities of plankton subjected to ballast water treatment. Journal of Applied Phycology, 2016, 28, 279-298.	1.5	55
457	Fabrication of pilot-scale photocatalytic disinfection device by installing TiO2 coated helical support into UV annular reactor for strengthening sterilization. Chemical Engineering Journal, 2016, 283, 1506-1513.	6.6	40
458	How long can culturable bacteria and total DNA persist in environmental waters? The role of sunlight and solid particles. Science of the Total Environment, 2016, 539, 494-502.	3.9	28
459	UV light tolerance and reactivation potential of tetracycline-resistant bacteria from secondary effluents of a wastewater treatment plant. Journal of Environmental Sciences, 2016, 41, 146-153.	3.2	23
460	Determining disinfection efficiency on E. faecalis in saltwater by photolysis of H2O2: Implications for ballast water treatment. Chemical Engineering Journal, 2016, 283, 1339-1348.	6.6	52

#	Article	IF	CITATIONS
461	Degradation of chlortoluron during UV irradiation and UV/chlorine processes and formation of disinfection by-products in sequential chlorination. Chemical Engineering Journal, 2016, 283, 412-419.	6.6	73
462	Effect of ultraviolet irradiation and chlorination on ampicillin-resistant Escherichia coli and its ampicillin resistance gene. Frontiers of Environmental Science and Engineering, 2016, 10, 522-530.	3.3	57
463	A photolysis coefficient for characterizing the response of aqueous constituents to photolysis. Frontiers of Environmental Science and Engineering, 2016, 10, 428-437.	3.3	17
464	Cryptosporidium Attenuation across the Wastewater Treatment Train: Recycled Water Fit for Purpose. Applied and Environmental Microbiology, 2017, 83, .	1.4	25
465	Sensitivity of pathogenic and attenuated <i>E. coli</i> O157:H7 strains to ultraviolet light as assessed by conventional plating methods and ethidium monoazideâ€PCR. Journal of Food Safety, 2017, 37, e12346.	1.1	4
466	Uses of fluorescence excitation-emissions indices in predicting water treatment efficiency. Journal of Water Process Engineering, 2017, 16, 249-257.	2.6	12
469	Evaluating ultraviolet sensitivity of adventitious agents in biopharmaceutical manufacturing. Journal of Industrial Microbiology and Biotechnology, 2017, 44, 893-909.	1.4	17
470	Can contaminated water be rendered safe for nasal saline irrigations?. Laryngoscope, 2017, 127, 1513-1519.	1.1	7
471	Flow cytometric bacterial cell counts challenge conventional heterotrophic plate counts for routine microbiological drinking water monitoring. Water Research, 2017, 113, 191-206.	5.3	194
472	Antibacterial activity of new magnetic Ag/TiO2 nanocomposite in silane sol–gel matrix. Journal of Materials Science: Materials in Electronics, 2017, 28, 12312-12319.	1.1	6
473	Effects of ultraviolet disinfection on antibiotic-resistant <i>Escherichia coli</i> from wastewater: inactivation, antibiotic resistance profiles and antibiotic resistance genes. Journal of Applied Microbiology, 2017, 123, 295-306.	1.4	46
474	Quantifying pathogen risks associated with potable reuse: A risk assessment case study for Cryptosporidium. Water Research, 2017, 119, 252-266.	5.3	51
475	Bactericidal effect of 266 to 279 nm wavelength UVC-LEDs for inactivation of Gram positive and Gram negative foodborne pathogenic bacteria and yeasts. Food Research International, 2017, 97, 280-287.	2.9	114
476	Mild processing applied to the inactivation of the main foodborne bacterial pathogens: A review. Trends in Food Science and Technology, 2017, 66, 20-35.	7.8	201
477	Inactivation efficiency of plasmid-encoded antibiotic resistance genes during water treatment with chlorine, UV, and UV/H2O2. Water Research, 2017, 123, 783-793.	5.3	188
478	Photodegradation and ecotoxicology of acyclovir in water under UV254 and UV254/H2O2 processes. Water Research, 2017, 122, 591-602.	5.3	50
479	Tetraselmis as a challenge organism for validation of ballast water UV systems. Water Research, 2017, 121, 311-319.	5.3	29
480	Polycyclic Aromatic Hydrocarbons: A Critical Review of Environmental Occurrence and Bioremediation. Environmental Management, 2017, 60, 758-783.	1.2	272

#	Article	IF	CITATIONS
481	Impact of asymmetric lamp positioning on the performance of a closed-conduit UV reactor. Ain Shams Engineering Journal, 2017, 8, 225-235.	3.5	12
482	Peracids in water treatment: A critical review. Critical Reviews in Environmental Science and Technology, 2017, 47, 1-39.	6.6	226
483	UV-based technologies for marine water disinfection and the application to ballast water: Does salinity interfere with disinfection processes?. Science of the Total Environment, 2017, 581-582, 144-152.	3.9	36
484	Graphene-family nanomaterials in wastewater treatment plants. Chemical Engineering Journal, 2017, 313, 121-135.	6.6	116
485	Identification of critical contaminants in wastewater effluent for managed aquifer recharge. Chemosphere, 2017, 172, 294-301.	4.2	27
486	Impact of environmental conditions on bacterial photoreactivation in wastewater effluents. Environmental Sciences: Processes and Impacts, 2017, 19, 31-37.	1.7	13
487	Inactivation modeling of human enteric virus surrogates, MS2, Qβ, and ΦX174, in water using UVC-LEDs, a novel disinfecting system. Food Research International, 2017, 91, 115-123.	2.9	49
488	Impact of inner-wall reflection on UV reactor performance as evaluated by using computational fluid dynamics: The role of diffuse reflection. Water Research, 2017, 109, 382-388.	5.3	28
489	Inactivation of microbiota from urban wastewater by single and sequential electrocoagulation and electro-Fenton treatments. Water Research, 2017, 126, 450-459.	5.3	58
490	Estimating lethal dose of solar radiation for enterococcus inactivation through radiation reaching the water layer. Application to Solar Water Disinfection (SODIS). Solar Energy, 2017, 158, 303-310.	2.9	25
491	Application of ultraviolet C technology for surface decontamination of fresh produce. Trends in Food Science and Technology, 2017, 70, 9-19.	7.8	90
492	Development of a molecular method for testing the effectiveness of UV systems on-site. Water Research, 2017, 127, 162-171.	5.3	9
493	A comparison of photodegradation kinetics, mechanisms, and products between chlorinated and brominated/iodinated haloacetic acids in water. Chemical Engineering Journal, 2017, 330, 1326-1333.	6.6	43
494	Advanced oxidation and disinfection processes for onsite net-zero greywater reuse: A review. Water Research, 2017, 125, 384-399.	5.3	87
495	Comparison of UV-LED and low pressure UV for water disinfection: Photoreactivation and dark repair of Escherichia coli. Water Research, 2017, 126, 134-143.	5.3	199
496	Aluminum plasmonic nanoshielding in ultraviolet inactivation of bacteria. Scientific Reports, 2017, 7, 9026.	1.6	18
497	Corneal Collagen Crosslinking. Advances in Ophthalmology and Optometry, 2017, 2, 367-383.	0.3	2
498	UV-C Adaptation of Shigella: Morphological, Outer Membrane Proteins, Secreted Proteins, and Lipopolysaccharides Effects. Current Microbiology, 2017, 74, 1261-1269.	1.0	5

#	Article	IF	CITATIONS
499	Effect of modified iodine on defect structure and antibacterial properties of ZnO in visible light. Research on Chemical Intermediates, 2017, 43, 5067-5081.	1.3	13
500	Inactivation of four genera of dominant fungal spores in groundwater using UV and UV/PMS: Efficiency and mechanisms. Chemical Engineering Journal, 2017, 328, 619-628.	6.6	86
501	Photolysis and UV/H 2 O 2 of diclofenac, sulfamethoxazole, carbamazepine, and trimethoprim: Identification of their major degradation products by ESI–LC–MS and assessment of the toxicity of reaction mixtures. Chemical Engineering Research and Design, 2017, 112, 222-234.	2.7	108
502	Long term stability and infectivity of herpesviruses in water. Scientific Reports, 2017, 7, 46559.	1.6	31
503	Disinfection by Chemical Oxidation Methods. Handbook of Environmental Chemistry, 2017, , 257-295.	0.2	10
504	Interaction of Human Enteric Viruses with Microbial Compounds: Implication for Virus Persistence and Disinfection Treatments. Environmental Science & amp; Technology, 2017, 51, 13633-13640.	4.6	31
505	Mutation accumulation under UV radiation in Escherichia coli. Scientific Reports, 2017, 7, 14531.	1.6	55
506	Minimizing Bias in Virally Seeded Water Treatment Studies: Evaluation of Optimal Bacteriophage and Mammalian Virus Preparation Methodologies. Food and Environmental Virology, 2017, 9, 473-486.	1.5	8
507	Fast and regenerative photocatalyst material for the disinfection of E. coli from water: Silver nano particle anchor on MOF-5. Catalysis Communications, 2017, 102, 21-25.	1.6	42
508	Special Electromagnetic Agents: From Cold Plasma to Pulsed Electromagnetic Radiation. , 2017, , 109-154.		2
509	Evaluating UV-C LED disinfection performance and investigating potential dual-wavelength synergy. Water Research, 2017, 109, 207-216.	5.3	224
510	Inactivation of Viruses and Bacteriophages as Models for Swine Hepatitis E Virus in Food Matrices. Food and Environmental Virology, 2017, 9, 20-34.	1.5	17
511	Comparing TiO2 photocatalysis and UV-C radiation for inactivation and mutant formation of Salmonella typhimurium TA102. Environmental Science and Pollution Research, 2017, 24, 1871-1879.	2.7	22
512	Drinking water contamination and treatment techniques. Applied Water Science, 2017, 7, 1043-1067.	2.8	598
513	Kinetics of inactivation and photoreactivation of Escherichia coli using ultrasound-enhanced UV-C light-emitting diodes disinfection. Ultrasonics Sonochemistry, 2017, 35, 471-477.	3.8	53
514	Bacterial inactivation of liquid food and water using highâ€intensity alternate electric field. Journal of Food Process Engineering, 2017, 40, e12504.	1.5	5
515	Nitrifying–denitrifying filters and UV-C disinfection reactor: a combined system for wastewater treatment. Environmental Technology (United Kingdom), 2017, 38, 762-771.	1.2	2
516	Numerical and experimental investigation of UV disinfection for water treatment. Applied Thermal Engineering, 2017, 111, 280-291.	3.0	33

#	Article	IF	CITATIONS
517	New approach to the preparation of grafted ion exchange membranes based on UV-oxidized polymer films and sulfonated polystyrene. Mendeleev Communications, 2017, 27, 572-573.	0.6	19
518	Effects of Suspended Particles in Water on Efficiency of UV Disinfection. Journal of Japan Society on Water Environment, 2017, 40, 59-65.	0.1	3
519	EVALUATION OF UV LIGHT EMITTING DIODE, UV-LED, AT DIFFERENT WAVELENGTHS IN THE INACTIVATION AND PHOTOREACTIVATION OF <i>ESCHERICHIA COLI</i> . Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2017, 73, III_337-III_343.	0.1	3
520	UV-LEDs Efficiently Inactivate DNA and RNA Coliphages. Water (Switzerland), 2017, 9, 46.	1.2	8
521	Synthetic Microbial Ecology: Engineering Habitats for Modular Consortia. Frontiers in Microbiology, 2017, 8, 1125.	1.5	84
522	Antagonistic Microbial Interactions: Contributions and Potential Applications for Controlling Pathogens in the Aquatic Systems. Frontiers in Microbiology, 2017, 8, 2192.	1.5	48
523	Experimental adaptation of human echovirus 11 to ultraviolet radiation leads to resistance to disinfection and ribavirin. Virus Evolution, 2017, 3, vex035.	2.2	33
524	Evidence based review of Legionella elimination in building water systems. International Journal of Water Resources and Environmental Engineering, 2017, 9, 22-32.	0.2	1
525	Assessing UV Inactivation of Adenovirus 41 Using Integrated Cell Culture Real-Time qPCR/RT-qPCR. Water Environment Research, 2017, 89, 323-329.	1.3	9
526	Inactivation of Nonpathogenic Escherichia coli, Escherichia coli O157:H7, Salmonella enterica Typhimurium, and Listeria monocytogenes in Ice Using a UVC Light-Emitting Diode. Journal of Food Protection, 2017, 80, 1198-1203.	0.8	17
527	Variability in Disinfection Resistance between Currently Circulating <i>Enterovirus B</i> Serotypes and Strains. Environmental Science & amp; Technology, 2018, 52, 3696-3705.	4.6	51
528	Inactivation kinetics and efficiencies of UV-LEDs against Pseudomonas aeruginosa, Legionella pneumophila, and surrogate microorganisms. Water Research, 2018, 130, 31-37.	5.3	179
529	Fluoroalkyl phthalocyanines: Bioinspired catalytic materials. Journal of Porphyrins and Phthalocyanines, 2018, 22, 371-397.	0.4	40
530	Wastewater and urine treatment by UVC-based advanced oxidation processes: Implications from the interactions of bacteria, viruses, and chemical contaminants. Chemical Engineering Journal, 2018, 343, 270-282.	6.6	36
531	Impact of suspended particles on UV disinfection of activated-sludge effluent with the aim of reclamation. Journal of Water Process Engineering, 2018, 22, 87-93.	2.6	44
532	State of the art of nonthermal and thermal processing for inactivation of micro-organisms. Journal of Applied Microbiology, 2018, 125, 16-35.	1.4	98
533	Degradation of clofibric acid in UV/chlorine disinfection process: kinetics, reactive species contribution and pathways. Royal Society Open Science, 2018, 5, 171372.	1.1	21
534	Assessment of UV-C-induced water disinfection by differential PCR-based quantification of bacterial DNA damage. Journal of Microbiological Methods, 2018, 149, 89-95.	0.7	13

#	Article	IF	CITATIONS
535	Turbidity composition and the relationship with microbial attachment and UV inactivation efficacy. Science of the Total Environment, 2018, 624, 638-647.	3.9	74
536	Gene expression in Pseudomonas aeruginosa exposed to hydroxyl-radicals. Chemosphere, 2018, 199, 243-250.	4.2	11
537	Ultra-effective integrated technologies for water disinfection with a novel 0D-2D-3D nanostructured rGO-AgNP/Bi2Fe4O9 composite. Applied Catalysis B: Environmental, 2018, 227, 548-556.	10.8	36
538	Human enteric viruses in a wastewater treatment plant: evaluation of activated sludge combined with UV disinfection process reveals different removal performances for viruses with different features. Letters in Applied Microbiology, 2018, 66, 215-221.	1.0	35
539	Biosynthesis of copper nanoparticles using Shewanella loihica PV-4 with antibacterial activity: Novel approach and mechanisms investigation. Journal of Hazardous Materials, 2018, 347, 141-149.	6.5	157
540	Short-Wave Ultraviolet Light Inactivation of Pathogens in Fruit Juices. , 2018, , 463-510.		7
541	Monitoring E. coli in a changing beachscape. Science of the Total Environment, 2018, 619-620, 1236-1246.	3.9	13
542	Effect of ultraviolet light, organic acids, and bacteriophage on Salmonella populations in ground beef. Meat Science, 2018, 139, 44-48.	2.7	75
543	Methods for the Control of Foodborne Pathogens in Low-Moisture Foods. Annual Review of Food Science and Technology, 2018, 9, 177-208.	5.1	77
544	Study of marine bacteria inactivation by photochemical processes: disinfection kinetics and growth modeling after treatment. Environmental Science and Pollution Research, 2018, 25, 27693-27703.	2.7	18
545	Risk-based cost-benefit analysis for evaluating microbial risk mitigation in a drinking water system. Water Research, 2018, 132, 111-123.	5.3	15
546	Persistence of Viruses by qPCR Downstream of Three Effluent-Dominated Rivers in the Western United States. Food and Environmental Virology, 2018, 10, 297-304.	1.5	21
547	Enumerating viable phytoplankton using a culture-based Most Probable Number assay following ultraviolet-C treatment. Journal of Applied Phycology, 2018, 30, 1073-1094.	1.5	17
548	Studying the non-thermal plasma jet characteristics and application on bacterial decontamination. Journal of Theoretical and Applied Physics, 2018, 12, 45-51.	1.4	17
549	Virus reduction through microfiltration membranes modified with a cationic polymer for drinking water applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 551, 33-41.	2.3	54
550	Development of economical-running strategy for multi-lamp UV disinfection reactors in secondary water supply systems with computational fluid dynamics simulations. Chemical Engineering Journal, 2018, 343, 317-323.	6.6	14
551	An UV-C/B emitting Xe excimer discharge lamp comprising BaZrSi3O9 – A lamp performance and phosphor degradation analysis. Journal of Luminescence, 2018, 200, 1-8.	1.5	8
552	Effect of intermittent 222 nm krypton-chlorine excilamp irradiation on microbial inactivation in water. Food Control, 2018, 90, 146-151.	2.8	20

#	Article	IF	CITATIONS
553	The absence or presence of a lytic coliphage affects the response of Escherichia coli to heat, chlorine, or UV exposure. Folia Microbiologica, 2018, 63, 599-606.	1.1	2
554	A control system for ultrasound devices utilized for inactivating E. coli in wastewater. Ultrasonics Sonochemistry, 2018, 40, 158-162.	3.8	20
555	Development of a Multiphase Inactivation Model for an Advanced Oxidation Process and Uncertainty Analysis in Quantitative Microbial Risk Assessment. Ozone: Science and Engineering, 2018, 40, 79-92.	1.4	2
556	High prevalence of Salmonella spp. in wastewater reused for irrigation assessed by molecular methods. International Journal of Hygiene and Environmental Health, 2018, 221, 95-101.	2.1	16
557	Evaluation method for process intensification alternatives. Chemical Engineering and Processing: Process Intensification, 2018, 123, 221-232.	1.8	47
558	Reactive species responsible for the inactivation of feline calicivirus by a twoâ€dimensional array of integrated coaxial microhollow dielectric barrier discharges in air. Plasma Processes and Polymers, 2018, 15, 1700119.	1.6	56
559	Disinfection of <i>Mycobacterium avium</i> subspecies <i>hominissuis</i> in drinking tap water using ultraviolet germicidal irradiation. Environmental Technology (United Kingdom), 2018, 39, 3221-3227.	1.2	8
560	Inactivation of a wild isolated Klebsiella pneumoniae by photo-chemical processes: UV-C, UV-C/H2O2 and UV-C/H2O2/Fe3+. Catalysis Today, 2018, 313, 94-99.	2.2	22
561	Bactericidal effect of ultraviolet-C treatments applied to honey. LWT - Food Science and Technology, 2018, 89, 566-571.	2.5	11
562	Temporal and Spatial Variations of Microbial Carbon Utilization in Water Bodies from the Dajiuhu Peatland, Central China. Journal of Earth Science (Wuhan, China), 2018, 29, 969-976.	1.1	10
563	Effect of salinity on medium- and low-pressure UV disinfection of Vibrio cholerae. Water Science and Technology, 2018, 77, 655-661.	1.2	2
564	Disinfection kinetics of slightly acidic electrolyzed water to freshwater under the condition of dynamic hybrid. Journal of Cleaner Production, 2018, 174, 1136-1146.	4.6	9
565	Simultaneous degradation of ciprofloxacin, amoxicillin, sulfathiazole and sulfamethazine, and disinfection of hospital effluent after biological treatment via photo-Fenton process under ultraviolet germicidal irradiation. Applied Catalysis B: Environmental, 2018, 224, 761-771.	10.8	114
566	Assessment of low pathogenic avian influenza virus transmission via raw poultry meat and raw table eggs. EFSA Journal, 2018, 16, e05431.	0.9	6
567	Determination of Removal Efficiencies for Escherichia coli, Clostridial Spores, and F-Specific Coliphages in Unit Processes of Surface Waterworks for QMRA Applications. Water (Switzerland), 2018, 10, 1525.	1.2	5
568	MS2 coliphage and E. coli UVB inactivation rates in optically clear water: dose, dose rate and temperature dependence. Water Science and Technology, 2018, 78, 2228-2238.	1.2	5
569	Ultraviolet irradiation sensitizes Pseudomonas aeruginosa PAO1 to multiple antibiotics. Environmental Science: Water Research and Technology, 2018, 4, 2051-2057.	1.2	4
570	New analysis method for radiation modeling and sterilization effect of UVC-LED module. IOP Conference Series: Materials Science and Engineering, 2018, 452, 042141.	0.3	0

		CITATION REPORT		
#	Article		IF	CITATIONS
571	Fruits and Fruit Products Treated by UV Light. Food Engineering Series, 2018, , 457-50	4.	0.3	2
572	Inativação de microrganismos indicadores de contaminação fecal por radiação avaliação dos fenômenos de fotorreativação e recuperação no escuro. Engen Ambiental, 2018, 23, 987-994.	o ultravioleta e haria Sanitaria E	0.1	2
573	Recreational Use of Spa Thermal Waters: Criticisms and Perspectives for Innovative Tre International Journal of Environmental Research and Public Health, 2018, 15, 2675.	atments.	1.2	31
574	Relationships between Microbial Indicators and Pathogens in Recreational Water Setti International Journal of Environmental Research and Public Health, 2018, 15, 2842.	ngs.	1.2	111
575	UV inactivation of human infectious viruses at two full-scale wastewater treatment pla Water Research, 2018, 147, 73-81.	nts in Canada.	5.3	47
576	Ultraviolet A and B wavelength-dependent inactivation of viruses and bacteria in the w of Water and Health, 2018, 16, 796-806.	ater. Journal	1.1	16
577	Effects of single and combined UV-LEDs on inactivation and subsequent reactivation o disinfection. Water Research, 2018, 147, 331-341.	f E.Âcoli in water	5.3	131
578	UV-TiO2 treatment of the cooling water of an oil refinery. Journal of Water Process Eng 2018, 26, 176-181.	gineering,	2.6	12
579	Daylight exposure modulates bacterial communities associated with household dust. N 2018, 6, 175.	/icrobiome,	4.9	62
580	Identification of free-living amoebae isolated from tap water in Istanbul, Turkey. Experi Parasitology, 2018, 195, 34-37.	mental	0.5	17
581	Human-Associated Indicator Bacteria and Human-Specific Viruses in Surface Water: A S Assessment with Implications on Fate and Transport. Environmental Science & Te 52, 12162-12171.	Spatial chnology, 2018,	4.6	13
582	Critical evaluation of mechanism responsible for biomass abatement during electroche coagulation (EC) process: A critical review. Journal of Environmental Management, 201	mical .8, 227, 335-353.	3.8	9
583	UV fluences required for compliance with ballast water discharge standards using two methods for algal viability assessment. Marine Pollution Bulletin, 2018, 135, 1090-110	approved 10.	2.3	18
584	Biosynthesis of Ultrasonically Modified Ag-MgO Nanocomposite and Its Potential for A Activity. Journal of Nanotechnology, 2018, 2018, 1-10.	ntimicrobial	1.5	30
585	Evaluation of ultraviolet-C and spray-drying processes as two independent inactivation enterotoxigenic <i>Escherichia coli</i> K88 and K99 strains inoculated in fresh unconce porcine plasma. Letters in Applied Microbiology, 2018, 67, 442-448.	steps on ntrated	1.0	13
586	Infectivity reduction efficacy of UV irradiation and peracetic acid-UV combined treatme bacteriophage and murine norovirus in secondary wastewater effluent. Journal of Envir Management, 2018, 221, 1-9.	ent on MS2 onmental	3.8	28
587	Rapid Disinfection by Peracetic Acid Combined with UV Irradiation. Environmental Scie Technology Letters, 2018, 5, 400-404.	nce and	3.9	58
588	Visible-light-driven, water-surface-floating antimicrobials developed from graphitic carb and expanded perlite for water disinfection. Chemosphere, 2018, 208, 84-92.	on nitride	4.2	64

	Сітатіо	on Report	
#	Article	IF	CITATIONS
589	Fate of cefotaxime-resistant Enterobacteriaceae and ESBL-producers over a full-scale wastewater treatment process with UV disinfection. Science of the Total Environment, 2018, 639, 1028-1037.	3.9	28
590	Inactivation study of Bacillus subtilis, Geobacillus stearothermophilus, Alicyclobacillus acidoterrestris and Aspergillus niger spores under Ultra-High Pressure Homogenization, UV-C light and their combination. Innovative Food Science and Emerging Technologies, 2018, 48, 258-264.	2.7	27
591	n-ZnO/p-Si heterojunction nanodiodes based sensor for monitoring UV radiation. Sensors and Actuators A: Physical, 2018, 279, 351-360.	2.0	21
592	Concomitant inactivation of Acanthamoeba spp. and Escherichia coli using suspended and immobilized TiO2. Water Research, 2018, 144, 512-521.	5.3	22
593	Influence of temperature on the inactivation kinetics of Salmonella Enteritidis by the application of UV-C technology in soymilk. Food Control, 2018, 94, 132-139.	2.8	19
594	Near Real-Time Detection of E. coli in Reclaimed Water. Sensors, 2018, 18, 2303.	2.1	16
595	Quantitative microbial risk assessment and its applications in small water systems: A review. Science of the Total Environment, 2018, 645, 993-1002.	3.9	12
596	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.	1.7	180
597	Overview of the Main Disinfection Processes for Wastewater and Drinking Water Treatment Plants. Sustainability, 2018, 10, 86.	1.6	156
598	Water Crisis: Bank Filtration and Aquifer Storage Recharge Systems as Possible Alternatives. Journal of Hazardous, Toxic, and Radioactive Waste, 2018, 22, .	1.2	3
599	Factors Mediating Environmental Biofilm Formation by Legionella pneumophila. Frontiers in Cellular and Infection Microbiology, 2018, 8, 38.	1.8	70
600	Synergistic effect of combined UV-LED and chlorine treatment on Bacillus subtilis spore inactivation. Science of the Total Environment, 2018, 639, 1233-1240.	3.9	81
601	Disinfection Methods for Swimming Pool Water: Byproduct Formation and Control. Water (Switzerland), 2018, 10, 797.	1.2	24
602	UVC LED Irradiation Effectively Inactivates Aerosolized Viruses, Bacteria, and Fungi in a Chamber-Type Air Disinfection System. Applied and Environmental Microbiology, 2018, 84, .	1.4	124
603	Assessment of Microbiological Safety of Water in Public Swimming Pools in Guangzhou, China. International Journal of Environmental Research and Public Health, 2018, 15, 1416.	1.2	17
604	The Effect of Solution Properties on the Photochemical Ability of Pulsed Light to Inactivate Soybean Lipoxygenase. International Journal of Food Engineering, 2018, 14, .	0.7	4
605	Wastewater Disinfection Using Artificial Ultraviolet Rays Technology. Handbook of Environmental Chemistry, 2018, , 241-312.	0.2	3
606	Photodegradation kinetics of lisdexamfetamine dimesylate and structure elucidation of its degradation products by LC-ESI-QTOF. Analytical Methods, 2018, 10, 2287-2292.	1.3	2

	C	itation Report	
#	Article	IF	CITATIONS
607	Meta-analysis of the reduction of antibiotic-sensitive and antibiotic-resistant Escherichia coli as a result of low- and medium-pressure UV lamps. Water Science and Technology, 2018, 2017, 612-620.	1.2	7
608	Disinfection processes and mechanisms in wastewater stabilization ponds: a review. Environmental Reviews, 2018, 26, 417-429.	2.1	21
609	Inactivation of feline calicivirus using ultraviolet light-emitting diodes. FEMS Microbiology Letters, 2018, 365, .	0.7	9
610	<i>Cryptosporidium</i> and <i>Giardia</i> in Wastewater and Surface Water Environments. Journal of Environmental Quality, 2018, 47, 1006-1023.	1.0	36
611	Resistance of a multiple-isolate marine culture to ultraviolet C irradiation: inactivation vs biofilm formation. Letters in Applied Microbiology, 2018, 67, 278-284.	1.0	11
612	Biofiltration using C.Âfluminea for E.coli removal from water: Comparison with ozonation and photocatalytic oxidation. Chemosphere, 2018, 208, 674-681.	4.2	18
613	Bacterial lineages putatively associated with the dissemination of antibiotic resistance genes in a full-scale urban wastewater treatment plant. Environment International, 2018, 118, 179-188.	4.8	93
614	Ultraviolet-C irradiation for inactivation of viruses in foetal bovine serum. Vaccine, 2018, 36, 4215-4221.	1.7	14
615	Use of coupled wavelength ultraviolet light-emitting diodes for inactivation of bacteria in subsea oil-field injection water. Science of the Total Environment, 2018, 640-641, 757-763.	3.9	20
616	Understanding possible underlying mechanism in declining germicidal efficiency of UV-LED reactor. Journal of Photochemistry and Photobiology B: Biology, 2018, 185, 136-142.	1.7	16
617	Association between gentamicin resistance and stress tolerance in water isolates of Ralstonia pickettii and R. mannitolilytica. Folia Microbiologica, 2019, 64, 63-72.	1.1	10
618	Pulsed and continuous light UV LED: microbial inactivation, electrical, and time efficiency. Water Research, 2019, 165, 114965.	5.3	49
619	Nanoparticle and Transparent Polymer Coatings Enable UV-C Side-Emission Optical Fibers for Inactivation of <i>Escherichia coli</i> in Water. Environmental Science & Technology, 2019, 53, 10880-10887.	4.6	19
620	Reactivation of fungal spores in water following UV disinfection: Effect of temperature, dark delay, and real water matrices. Chemosphere, 2019, 237, 124490.	4.2	37
621	Synthesis and characterization of magnetite/Alyssum homolocarpum seed gum/Ag nanocomposite a determination of its antibacterial activity. International Journal of Biological Macromolecules, 2019, 139, 1263-1271.	nd 3.6	14
622	Inherently self-sterilizing charged multiblock polymers that kill drug-resistant microbes in minutes. Materials Horizons, 2019, 6, 2056-2062.	6.4	50
623	How current risk assessment and risk management methods for drinking water in The Netherlands cover the WHO water safety plan approach. International Journal of Hygiene and Environmental Health, 2019, 222, 1030-1037.	2.1	24
624	Optimum positioning of wastewater treatment plants in a river network: A model-based approach to minimize microbial pollution. Science of the Total Environment, 2019, 691, 1310-1319.	3.9	10

#	Article	IF	CITATIONS
625	Application of persulfate salts for enhancing UV disinfection in marine waters. Water Research, 2019, 163, 114866.	5.3	42
626	Mechanisms investigation on bacterial inactivation through combinations of UV wavelengths. Water Research, 2019, 163, 114875.	5.3	89
627	Emerging cold pasteurization technologies to improve shelf life and ensure food quality. , 2019, , 55-123.		9
628	Bactericidal efficacy of UV activated TiO ₂ nanoparticles against Gram-positive and Gram-negative bacteria on suspension. CYTA - Journal of Food, 2019, 17, 408-418.	0.9	25
630	Application of Ultraviolet Light-Emitting Diodes (UV-LED) to Full-Scale Drinking-Water Disinfection. Water (Switzerland), 2019, 11, 1894.	1.2	43
631	Decay of Enterococcus faecalis, Vibrio cholerae and MS2 Coliphage in a Laboratory Mesocosm Under Brackish Beach Conditions. Frontiers in Public Health, 2019, 7, 269.	1.3	15
632	The protein–protein interaction between SQSTM1 and Tau through distinct domain. IBRO Reports, 2019, 6, S175.	0.3	0
633	UV-C irradiation is able to inactivate pathogens found in commercially collected porcine plasma as demonstrated by swine bioassay. Veterinary Microbiology, 2019, 239, 108450.	0.8	5
634	Effects of environmental storage conditions on survival of indicator organisms in a blend of surface water and dual disinfected reclaimed water. Journal of Applied Microbiology, 2019, 126, 985-994.	1.4	5
635	Wilderness Medical Society Clinical Practice Guidelines for Water Disinfection for Wilderness, International Travel, and Austere Situations. Wilderness and Environmental Medicine, 2019, 30, S100-S120.	0.4	6
636	Juice composition, physicochemistry, and efficacy of ultraviolet radiation against Cryptococcus albidus. Journal of Food Composition and Analysis, 2019, 84, 103313.	1.9	2
637	Impact of UVC-sustained recirculating air filtration on airborne bacteria and dust in a pig facility. PLoS ONE, 2019, 14, e0225047.	1.1	28
638	Metagenomic Analysis of Infectious F-Specific RNA Bacteriophage Strains in Wastewater Treatment and Disinfection Processes. Pathogens, 2019, 8, 217.	1.2	5
639	Surface water treatment by UV/H2O2with subsequent soil aquifer treatment: impact on micropollutants, dissolved organic matter and biological activity. Environmental Science: Water Research and Technology, 2019, 5, 1709-1722.	1.2	9
640	Airborne Prokaryote and Virus Abundance Over the Red Sea. Frontiers in Microbiology, 2019, 10, 1112.	1.5	21
641	Overview of Ultraviolet (UV) LEDs Technology for Applications in Food Production. , 2019, , 1-23.		8
642	Novel antimicrobial filtering materials based on carvacrol, eugenol, thymol and vanillin immobilized on silica microparticles for water treatment. Innovative Food Science and Emerging Technologies, 2019, 58, 102228.	2.7	13
643	Effect of O3 Dose on the O3/UV Treatment Process for the Removal of Pharmaceuticals and Personal Care Products in Secondary Effluent. ChemEngineering, 2019, 3, 53.	1.0	13

#	Article	IF	CITATIONS
644	Selection and evaluation of water pretreatment technologies for managed aquifer recharge (MAR) with reclaimed water. Chemosphere, 2019, 236, 124886.	4.2	9
645	Persistence and Decay of Fecal Microbiota in Aquatic Habitats. Microbiology and Molecular Biology Reviews, 2019, 83, .	2.9	89
646	Application of a novel, continuous-feeding ultraviolet light emitting diode (UV-LED) system to disinfect domestic wastewater for discharge or agricultural reuse. Water Research, 2019, 153, 53-62.	5.3	55
647	Photolysis of graphene oxide in the presence of nitrate: implications for graphene oxide integrity in water and wastewater treatment. Environmental Science: Nano, 2019, 6, 136-145.	2.2	11
648	Emerging investigator series: photocatalysis for MBR effluent post-treatment: assessing the effects of effluent organic matter characteristics. Environmental Science: Water Research and Technology, 2019, 5, 482-494.	1.2	21
649	The involvement of superoxide radicals in medium pressure UV derived inactivation. Water Research, 2019, 161, 119-125.	5.3	15
650	Equivalency of indirect and direct potable reuse paradigms based on a quantitative microbial risk assessment framework. Microbial Risk Analysis, 2019, 12, 60-75.	1.3	29
651	Population and single cell metabolic activity of UV-induced VBNC bacteria determined by CTC-FCM and D2O-labeled Raman spectroscopy. Environment International, 2019, 130, 104883.	4.8	68
652	Understanding ultraviolet light surface decontamination in hospital rooms: A primer. Infection Control and Hospital Epidemiology, 2019, 40, 1030-1035.	1.0	45
653	Antibiotic microbial resistance (AMR) removal efficiencies by conventional and advanced wastewater treatment processes: A review. Science of the Total Environment, 2019, 685, 596-608.	3.9	187
654	Efficacy of Inactivation of Human Enteroviruses by Dual-Wavelength Germicidal Ultraviolet (UV-C) Light Emitting Diodes (LEDs). Water (Switzerland), 2019, 11, 1131.	1.2	23
655	Inactivation of <i>Bacillus</i> and <i>Clostridium</i> Spores in Coconut Water by Ultraviolet Light. Foodborne Pathogens and Disease, 2019, 16, 704-711.	0.8	29
656	Comparing the inactivating efficacy of enteric bacteria in seawater treated with different configurations of continuous flowâ€through ultraviolet devices: singleâ€pass and recirculation. Journal of Chemical Technology and Biotechnology, 2019, 94, 2980-2989.	1.6	5
657	Transformation of an Amine Moiety of Atenolol during Water Treatment with Chlorine/UV: Reaction Kinetics, Products, and Mechanisms. Environmental Science & Technology, 2019, 53, 7653-7662.	4.6	32
658	A review of the abundance, behaviour and detection of clostridial pathogens in agricultural soils. European Journal of Soil Science, 2019, 70, 911-929.	1.8	18
659	Bacteriological and physicochemical quality of treated wastewater of the Mzar treatment plant. Applied Water Science, 2019, 9, 1.	2.8	13
660	Instantaneous Water Purification by Deep Ultraviolet Light in Water Waveguide: Escherichia Coli Bacteria Disinfection. Water (Switzerland), 2019, 11, 968.	1.2	24
661	Responses of Salmonella typhimurium LT2, Vibrio harveyi, and Cryptosporidium parvum to UVB and UVA radiation. Chemical Engineering Journal, 2019, 371, 647-656.	6.6	18

#	Article	IF	CITATIONS
662	Efficiency of chlorine and UV in the inactivation of Cryptosporidium and Giardia in wastewater. PLoS ONE, 2019, 14, e0216040.	1.1	62
663	Effect of UV-C light or hydrogen peroxide wipes on the inactivation of methicillin-resistant <i>Staphylococcus aureus</i> , <i>Clostridium difficile</i> spores and norovirus surrogate. Journal of Applied Microbiology, 2019, 127, 586-597.	1.4	22
664	Efficacy of Flushing and Chlorination in Removing Microorganisms from a Pilot Drinking Water Distribution System. Water (Switzerland), 2019, 11, 903.	1.2	11
665	Impact of sterilization methods on dissolved trace metals concentrations in complex natural samples: Optimization of UV irradiation. MethodsX, 2019, 6, 1133-1146.	0.7	6
666	Numerical simulation of the disinfection performance in an annular reactor with different internal configurations. Journal of Water Process Engineering, 2019, 31, 100824.	2.6	17
667	Viral dispersal in the coastal zone: A method to quantify water quality risk. Environment International, 2019, 126, 430-442.	4.8	18
668	Fecal coliform concentrations in effluent from ultraviolet disinfection units installed in onsite wastewater treatment systems. Journal of Water and Health, 2019, 17, 113-123.	1.1	6
669	Using mRNA to investigate the effect of low-pressure ultraviolet disinfection on the viability of E. coli. Frontiers of Environmental Science and Engineering, 2019, 13, 1.	3.3	7
670	Evaluating the fate of bacterial indicators, viral indicators, and viruses in water resource recovery facilities. Water Environment Research, 2019, 91, 830-842.	1.3	29
671	Alternative Methods to SO ₂ for Microbiological Stabilization of Wine. Comprehensive Reviews in Food Science and Food Safety, 2019, 18, 455-479.	5.9	76
672	Solution Plasma-Assisted Green Synthesis of MnO ₂ Adsorbent and Removal of Cationic Pollutant. Journal of Chemistry, 2019, 2019, 1-7.	0.9	13
673	QMRA of adenovirus in drinking water at a drinking water treatment plant using UV and chlorine dioxide disinfection. Water Research, 2019, 158, 34-45.	5.3	41
674	Inactivation of pathogenic microorganisms by sulfate radical: Present and future. Chemical Engineering Journal, 2019, 371, 222-232.	6.6	118
675	Plasmon-Enhanced Pan-Microbial Pathogen Inactivation in the Cavitation Regime: Selectivity Without Targeting. ACS Applied Nano Materials, 2019, 2, 2548-2558.	2.4	6
676	Evaluation of the effectiveness of the SurePure Turbulator ultraviolet-C irradiation equipment on inactivation of different enveloped and non-enveloped viruses inoculated in commercially collected liquid animal plasma. PLoS ONE, 2019, 14, e0212332.	1.1	33
677	Remediation efficiency of different methods for rapid-response of microbiological and/or organic matter contaminated beach sand: A laboratory study. Marine Pollution Bulletin, 2019, 141, 84-90.	2.3	6
678	Transmission of waterborne fish and plant pathogens in aquaponics and their control with physical disinfection and filtration: A systematized review. Aquaculture, 2019, 504, 380-395.	1.7	26
679	Performance of a storage tank coupled with UV light on enteric virus inactivation in drinking water. Water Science and Technology: Water Supply, 2019, 19, 1103-1109.	1.0	4

ARTICLE IF CITATIONS # Emerging technology applications for improving seed germination. Trends in Food Science and 680 7.8 140 Technology, 2019, 86, 95-108. Chlorination disadvantages and alternative routes for biofouling control in reverse osmosis 3.1 desalination. Npj Clean Water, 2019, 2, . Degradation of naproxen in chlorination and UV/chlorine processes: kinetics and degradation 682 2.7 11 products. Environmental Science and Pollution Research, 2019, 26, 34301-34310. Advanced Oxidation and Reduction Processes., 2019, , 135-164. 39 Evaluating some Quality Parameters of a Surface Water Source by Applying Simple Treatment 684 Processes. Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, 2019, 0.2 0 76, 21-28. Photohydroionization Reduces Shiga Toxin-Producing and on Fresh Beef with Minimal Effects on Meat Quality. Meat and Muscle Biology, 2019, 3, 105. Faecal coliforms, faecal enterococci, <i>Salmonella</i> Typhi and 686 <i>Acanthamoeba</i> spp. UV inactivation in three different biological effluents. Water S A, 0.2 7 2019, 34, 261. A tryptophan synchronous and normal fluorescence study on bacteria inactivation mechanism. 3.3 Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18822-18826. Biodosimetric Studies for Ballast Water Treatment. Journal of Physics: Conference Series, 2019, 1357, 688 0.3 1 012002. Numerical and experimental studies of water disinfection in UV reactors. Water Science and 689 1.2 Technology, 2019, 80, 1456-1465. Evaluation of Continuous UVC Treatments and its Combination with UHPH on Spores of Bacillus 690 1.9 12 subtilis in Whole and Skim Milk. Foods, 2019, 8, 539. Mapping Dynamics of Bacterial Communities in a Full-Scale Drinking Water Distribution System Using 1.2 Flow Cytometry. Water (Switzerland), 2019, 11, 2137. Influence of algal organic matter on MS2 bacteriophage inactivation by ultraviolet irradiation at 692 4.2 11 220†nm and 254〠nm. Chemosphere, 2019, 214, 195-202. Selective antibiotic resistance genes in multiphase samples during biofilm growth in a simulated drinking water distribution system: Occurrence, correlation and low-pressure ultraviolet removal. 38 Science of the Total Environment, 2019, 649, 146-155. Modelling of ultraviolet light inactivation kinetics of methicillin-resistant<i>Staphylococcus 694 aureus</i>, vancomycin-resistant<i>Enterococcus</i>,<i>Clostridium difficile</i>,spores and murine 1.4 14 norovirus on fomite surfaces. Journal of Applied Microbiology, 2019, 126, 58-67. Enhanced inactivation of E. coli by pulsed UV-LED irradiation during water disinfection. Science of the 3.9 58 Total Environment, 2019, 650, 210-215. Quantum Medicine With Ultraviolet Aluminum Nanolasers. IEEE Journal of Selected Topics in Quantum 696 1.9 3 Electronics, 2019, 25, 1-6. Transmission of hepatitis E virus by water: An issue still pending in industrialized countries. Water 5.3 44 Research, 2019, 151, 144-157.

#	Article	IF	CITATIONS
698	Application of UVOX Redox® for swimming pool water treatment: Microbial inactivation, disinfection byproduct formation and micropollutant removal. Chemosphere, 2019, 220, 176-184.	4.2	15
699	UV photolysis of tetrachloro-p-benzoquinone (TCBQ) in aqueous solution: Mechanistic insight from quantum chemical calculations. Chemical Engineering Journal, 2019, 361, 812-819.	6.6	14
700	Photocatalytic inactivation of microalgae: efficacy and cell damage evaluation by growth curves modeling. Journal of Applied Phycology, 2019, 31, 1835-1843.	1.5	8
701	UV treatment on the safety of skim milk: Effect on microbial inactivation and cytotoxicity evaluation. Journal of Food Process Engineering, 2019, 42, e12944.	1.5	22
702	Evaluation survey of microbial disinfection methods in UV-LED water treatment systems. Science of the Total Environment, 2019, 659, 1415-1427.	3.9	90
703	Ozone and Photocatalytic Processes for Pathogens Removal from Water: A Review. Catalysts, 2019, 9, 46.	1.6	61
704	550-W Ultraviolet Exciplex Source for Pulsed Power Applications. IEEE Transactions on Plasma Science, 2019, 47, 508-511.	0.6	0
705	Climate-driven QMRA model for selected water supply systems in Norway accounting for raw water sources and treatment processes. Science of the Total Environment, 2019, 660, 306-320.	3.9	16
706	Quantitative risk assessment of norovirus and adenovirus for the use of reclaimed water to irrigate lettuce in Catalonia. Water Research, 2019, 153, 91-99.	5.3	52
707	The Synergistic Bactericidal Mechanism of Simultaneous Treatment with a 222-Nanometer Krypton-Chlorine Excilamp and a 254-Nanometer Low-Pressure Mercury Lamp. Applied and Environmental Microbiology, 2019, 85, .	1.4	29
708	Photoreactivation of fungal spores in water following UV disinfection and their control using UV-based advanced oxidation processes. Water Research, 2019, 148, 1-9.	5.3	52
709	Constructed wetlands combined with disinfection systems for removal of urban wastewater contaminants. Science of the Total Environment, 2019, 656, 558-566.	3.9	39
710	N-nitrosomorpholine in potable reuse. Water Research, 2019, 148, 306-313.	5.3	22
711	Graphitic carbon nitride (g-C3N4)-based photocatalysts for water disinfection and microbial control: A review. Chemosphere, 2019, 214, 462-479.	4.2	304
712	Evaluation of virus reduction at a large-scale wastewater reclamation plant by detection of indigenous F-specific RNA bacteriophage genotypes. Environmental Technology (United Kingdom), 2019, 40, 2527-2537.	1.2	9
713	The Role of Shoe and Sock Sanitization in the Management of Superficial Fungal Infections of the Feet. Journal of the American Podiatric Medical Association, 2019, 109, 141-149.	0.2	14
714	Advanced Treatment of Campus Sewage by MV/UV/O3 for Water Reclamation. , 2020, , 245-259.		0
716	Comparison of carbonized and graphitized carbon fiber electrodes under flow-through electrode system (FES) for high-efficiency bacterial inactivation. Water Research, 2020, 168, 115150.	5.3	40

#	Article	IF	CITATIONS
717	Inactivation of chlorine-resistant bacterial spores in drinking water using UV irradiation, UV/Hydrogen peroxide and UV/Peroxymonosulfate: Efficiency and mechanism. Journal of Cleaner Production, 2020, 243, 118666.	4.6	72
718	Small but powerful: Light-emitting diodes for inactivation of Aspergillus species in real water matrices. Water Research, 2020, 168, 115108.	5.3	29
719	Improvement of UV disinfection reactor performance by ring baffles: The matching between the hydrodynamics and UV radiation. Chemical Engineering Journal, 2020, 379, 122381.	6.6	19
720	Response of bacterial community in composition and function to the various DOM at river confluences in the urban area. Water Research, 2020, 169, 115293.	5.3	67
721	Technologies for bHRPs and risk control. , 2020, , 237-258.		2
722	Development of an innovative apparatus using UVâ€C for controlling the number of microorganisms in raw milk after milking. International Journal of Dairy Technology, 2020, 73, 301-305.	1.3	11
723	Application of the 222â€ [−] nm krypton-chlorine excilamp and 280â€ [−] nm UVC light-emitting diode for the inactivation of Listeria monocytogenes and Salmonella Typhimurium in water with various turbidities. LWT - Food Science and Technology, 2020, 117, 108458.	2.5	13
724	Emerging investigator series: locally enhanced electric field treatment (LEEFT) with nanowire-modified electrodes for water disinfection in pipes. Environmental Science: Nano, 2020, 7, 397-403.	2.2	25
725	Inactivation of <i>E. coli</i> , <i>Enterococcus</i> spp., somatic coliphage, and <i>Cryptosporidium parvum</i> in wastewater by peracetic acid (PAA), sodium hypochlorite, and combined PAA-ultraviolet disinfection. Environmental Science: Water Research and Technology, 2020, 6, 197-209.	1.2	29
726	Polyisocyanopeptide Hydrogels Are Effectively Sterilized Using Supercritical Carbon Dioxide. Tissue Engineering - Part C: Methods, 2020, 26, 132-141.	1.1	9
727	Sustainability through Management of Water, Process and Product Hygiene on Food and Beverage Sites. Journal of the American Society of Brewing Chemists, 2020, 78, 1-15.	0.8	1
728	Plasmonic Ag decorated graphitic carbon nitride sheets with enhanced visible-light response for photocatalytic water disinfection and organic pollutant removal. Chemosphere, 2020, 242, 125201.	4.2	64
729	Effect of the length of dark storage following ultraviolet irradiation of Tetraselmis suecica and its implications for ballast water management. Science of the Total Environment, 2020, 711, 134611.	3.9	14
730	Disinfection by-products formation and acute toxicity variation of hospital wastewater under different disinfection processes. Separation and Purification Technology, 2020, 238, 116405.	3.9	43
731	Comparative study of the culturable microbiota present in two different rearing systems, flowâ€ŧhrough system (FTS) and recirculation system (RAS), in a great scallop hatchery. Aquaculture Research, 2020, 51, 542-556.	0.9	4
732	An investigation on treatment of groundwater with cold plasma for domestic water supply. Groundwater for Sustainable Development, 2020, 10, 100309.	2.3	11
733	Bacterial inactivation, DNA damage, and faster ATP degradation induced by ultraviolet disinfection. Frontiers of Environmental Science and Engineering, 2020, 14, 1.	3.3	19
734	Selection of surrogate pathogens and process indicator organisms for pasteurisation of municipal wastewater—A survey of literature data on heat inactivation of pathogens. Chemical Engineering Research and Design, 2020, 133, 301-314.	2.7	22

#	Article	IF	CITATIONS
735	Decontamination of irrigation water using a combined sand filtration and UV light treatment. Journal of Food Safety, 2020, 40, e12744.	1.1	4
736	Bacterial removal performance and community changes during advanced treatment process: A case study at a full-scale water reclamation plant. Science of the Total Environment, 2020, 705, 135811.	3.9	40
737	Blue light-emitting diodes as eco-friendly non-thermal technology in food preservation. Trends in Food Science and Technology, 2020, 105, 284-295.	7.8	31
738	Batch UV Disinfection for Small Flow Onsite Wastewater Treatment. Applied Engineering in Agriculture, 2020, 36, 717-725.	0.3	0
739	Occurrence, fates and potential treatment approaches for removal of viruses from wastewater: A review with emphasis on SARS-CoV-2. Journal of Environmental Chemical Engineering, 2020, 8, 104429.	3.3	62
740	Ultraviolet-C and vacuum ultraviolet inducing surface degradation of microplastics. Water Research, 2020, 186, 116360.	5.3	150
741	Effects of BAC-filtration, disinfection, and temperature on water quality in simulated reclaimed water distribution systems. Environmental Science: Water Research and Technology, 2020, 6, 3106-3120.	1.2	3
742	UV-LED for Safe Effluent Reuse in Agriculture. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	12
743	Combination of flow cytometry and molecular analysis to monitor the effect of UVC/H2O2 vs UVC/H2O2/Cu-IDS processes on pathogens and antibiotic resistant genes in secondary wastewater effluents. Water Research, 2020, 184, 116194.	5.3	34
744	Interactions between Human Reovirus and Free-Living Amoebae: Implications for Enteric Virus Disinfection and Aquatic Persistence. Environmental Science & Technology, 2020, 54, 10201-10206.	4.6	14
745	Review on heterogeneous photocatalytic disinfection of waterborne, airborne, and foodborne viruses: Can we win against pathogenic viruses?. Journal of Colloid and Interface Science, 2020, 580, 503-514.	5.0	412
746	Simultaneously enhance the inactivation and inhibit the photoreactivation of fungal spores by the combination of UV-LEDs and chlorine: Kinetics and mechanisms. Water Research, 2020, 184, 116143.	5.3	42
747	Aerosol Transmission of SARS-CoV-2: Physical Principles and Implications. Frontiers in Public Health, 2020, 8, 590041.	1.3	111
748	Mechanism and efficacy of virus inactivation by a microplasma UV lamp generating monochromatic UV irradiation at 222 nm. Water Research, 2020, 186, 116386.	5.3	36
749	Response of high-, mid- and low-abundant taxa and potential pathogens to eight disinfection methods and their interactions in domestic hot water system. Science of the Total Environment, 2020, 749, 141440.	3.9	9
750	Techno-Economic Analysis of a Solar Thermal Plant for Large-Scale Water Pasteurization. Applied Sciences (Switzerland), 2020, 10, 4771.	1.3	11
751	A Step Forward to the Characterization of Secondary Effluents to Predict Membrane Fouling in a Subsequent Ultrafiltration. Water (Switzerland), 2020, 12, 1975.	1.2	5
752	Low-Cost Technology for the Purification of Wastewater Contaminated with Pathogenic Bacteria and Heavy Metals. Water, Air, and Soil Pollution, 2020, 231, 1.	1.1	7

#	Article	IF	CITATIONS
753	Potential link between compromised air quality and transmission of the novel corona virus (SARS-CoV-2) in affected areas. Environmental Research, 2020, 190, 110001.	3.7	34
754	Transformation of X-ray contrast media by conventional and advanced oxidation processes during water treatment: Efficiency, oxidation intermediates, and formation of iodinated byproducts. Water Research, 2020, 185, 116234.	5.3	28
755	Inactivation kinetics of waterborne virus by ozone determined by a continuous quench flow system. Water Research, 2020, 186, 116291.	5.3	25
756	Design and Evaluation of Chitra Swab Collection Booths for Health Professionals in COVID-19 Pandemic. , 2020, 5, 643-648.		1
757	Amyloid hybrid membranes for bacterial & genetic material removal from water and their anti-biofouling properties. Nanoscale Advances, 2020, 2, 4665-4670.	2.2	7
758	Biocontrol of Phytopathogens under Aquaponics Systems. Water (Switzerland), 2020, 12, 2061.	1.2	8
759	Validation of a vaporâ€phase advanced oxidation process for inactivating <i>Listeria monocytogenes</i> , its surrogate <i>Lactobacillus fructivorans</i> , and spoilage molds associated with green or red table grapes. Journal of Food Science, 2020, 85, 2645-2655.	1.5	5
760	Engineering photonics solutions for COVID-19. APL Photonics, 2020, 5, 090901.	3.0	26
761	Wastewater treatment performance in microbiological removal and (oo)cyst viability assessed comparatively to fluorescence decay. Environmental Technology (United Kingdom), 2020, , 1-9.	1.2	7
762	Control Measures for SARS-CoV-2: A Review on Light-Based Inactivation of Single-Stranded RNA Viruses. Pathogens, 2020, 9, 737.	1.2	71
763	Identification of Genes Associated with Sensitivity to Ultraviolet A (UVA) Irradiation by Transposon Mutagenesis of Vibrio parahaemolyticus. Applied Sciences (Switzerland), 2020, 10, 5549.	1.3	5
764	Spectrum of virucidal activity from ultraviolet to infrared radiation. Photochemical and Photobiological Sciences, 2020, 19, 1262-1270.	1.6	25
765	Reducing the Impacts of Biofouling in RO Membrane Systems through In Situ Low Fluence Irradiation Employing UVC-LEDs. Membranes, 2020, 10, 415.	1.4	10
766	Integrated metagenomic and metatranscriptomic analyses of ultraviolet disinfection effects on antibiotic resistance genes and bacterial communities during wastewater treatment. Ecotoxicology, 2020, 30, 1610-1619.	1.1	5
767	Influence of metallic species for efficient photocatalytic water disinfection: bactericidal mechanism of in vitro results using docking simulation. Environmental Science and Pollution Research, 2020, 27, 39819-39831.	2.7	15
768	Numerical verification for a new type of UV disinfection reactor. Ain Shams Engineering Journal, 2020, 11, 1191-1200.	3.5	8
769	Efficiency improvement of batch reactors for water sterilization using UV-C LED arrays. Environmental Technology (United Kingdom), 2021, 42, 4038-4046.	1.2	2
770	Viral indicators for tracking domestic wastewater contamination in the aquatic environment. Water Research, 2020, 181, 115926.	5.3	97

#	Article	IF	CITATIONS
771	Ga2O3-based solar-blind deep ultraviolet light-emitting diodes. Journal of Luminescence, 2020, 224, 117326.	1.5	25
772	Aluminum based reflective nanolens arrays to improve the effectiveness of ultraviolet inactivation of Escherichia coli O157:H7 and Listeria monocytogenes in water and a sucrose solution. Food Science and Biotechnology, 2020, 29, 1281-1287.	1.2	3
773	A review of ARGs in WWTPs: Sources, stressors and elimination. Chinese Chemical Letters, 2020, 31, 2603-2613.	4.8	89
774	Copper-based ternary metal sulfide nanocrystals embedded in graphene oxide as photocatalyst in water treatment. , 2020, , 51-113.		4
775	Systematic Review and Meta-Analysis of the Persistence and Disinfection of Human Coronaviruses and Their Viral Surrogates in Water and Wastewater. Environmental Science and Technology Letters, 2020, 7, 544-553.	3.9	121
776	Chitra Ultraviolet-C-Based Facemask Disposal Bin. , 2020, 5, 305-313.		4
777	Sustainable Development of Water and Environment. Environmental Science and Engineering, 2020, , .	0.1	3
778	UV Photolysis of Mono- and Dichloramine Using UV-LEDs as Radiation Sources: Photodecay Rates and Radical Concentrations. Environmental Science & Technology, 2020, 54, 8420-8429.	4.6	74
779	Chemical treatment for removal of waterborne pathogens. , 2020, , 205-218.		4
780	Molecular Analyses of Fecal Bacteria and Hydrodynamic Modeling for Microbial Risk Assessment of a Drinking Water Source. Water (Switzerland), 2020, 12, 3.	1.2	5
781	Impact of UV irradiation at full scale on bacterial communities in drinking water. Npj Clean Water, 2020, 3, .	3.1	35
782	<i>E. coli</i> Inactivation Kinetics Modeling in a Taylor-Couette UV Disinfection Reactor. International Journal of Photoenergy, 2020, 2020, 1-11.	1.4	1
783	Comparison of pulsed light inactivation kinetics and modeling of Escherichia coli (ATCC-29055), Clostridium sporogenes (ATCC-7955) and Geobacillus stearothermophilus (ATCC-10149). Current Research in Food Science, 2020, 3, 82-91.	2.7	19
784	Pathogen infection risk to recreational water users, associated with surface waters impacted by de facto and indirect potable reuse activities. Science of the Total Environment, 2020, 722, 137799.	3.9	22
785	Metal–Organic Framework/Ag-Based Hybrid Nanoagents for Rapid and Synergistic Bacterial Eradication. ACS Applied Materials & Interfaces, 2020, 12, 13698-13708.	4.0	129
786	Inhibition of Bacterial Growth and Removal of Antibiotic-Resistant Bacteria From Wastewater. , 2020, , 159-170.		1
787	Inactivation of virus and bacteria using cold atmospheric pressure air plasmas and the role of reactive nitrogen species. Journal Physics D: Applied Physics, 2020, 53, 434004.	1.3	48
788	Use of an Artificial Miniaturized Enzyme in Hydrogen Peroxide Detection by Chemiluminescence. Sensors, 2020, 20, 3793.	2.1	22

#	Article	IF	CITATIONS
789	Comparative study on the performance of Typha latifolia and Cyperus Papyrus on the removal of heavy metals and enteric bacteria from wastewater by surface constructed wetlands. Chemosphere, 2020, 260, 127551.	4.2	20
790	Green synthesis of AgMgOnHaP nanoparticles supported on chitosan matrix: Defluoridation and antibacterial effects in groundwater. Journal of Environmental Chemical Engineering, 2020, 8, 104026.	3.3	20
791	Inactivation of Bacteria by Peracetic Acid Combined with Ultraviolet Irradiation: Mechanism and Optimization. Environmental Science & amp; Technology, 2020, 54, 9652-9661.	4.6	60
792	Ultraviolet radiation: An interesting technology to preserve quality and safety of milk and dairy foods. Trends in Food Science and Technology, 2020, 102, 146-154.	7.8	121
793	Rapid inactivation of airborne porcine reproductive and respiratory syndrome virus using an atmospheric pressure air plasma. Plasma Processes and Polymers, 2020, 17, 1900269.	1.6	34
794	Evaluation of ultraviolet (UV) light treatment for microbial inactivation in agricultural waters with different levels of turbidity. Food Science and Nutrition, 2020, 8, 1237-1243.	1.5	7
795	UV dose effects on the revival characteristics of microorganisms in darkness after UV disinfection: Evidence from a pilot study. Science of the Total Environment, 2020, 713, 136582.	3.9	27
796	Effect of single and combined UV-C and ultra-high pressure homogenisation treatments on inactivation of Alicyclobacillus acidoterrestris spores in apple juice. Innovative Food Science and Emerging Technologies, 2020, 60, 102299.	2.7	18
797	Nitrogen conversion from ammonia to trichloronitromethane: Potential risk during UV/chlorine process. Water Research, 2020, 172, 115508.	5.3	40
798	UV Disinfection of Human Norovirus: Evaluating Infectivity Using a Genome-Wide PCR-Based Approach. Environmental Science & Technology, 2020, 54, 2851-2858.	4.6	44
799	Comparative evaluation of the virucidal effect of remote and direct cold air plasmas with UV . Plasma Processes and Polymers, 2020, 17, 1900234.	1.6	7
800	Comparison of UV-LEDs and LPUV on inactivation and subsequent reactivation of waterborne fungal spores. Water Research, 2020, 173, 115553.	5.3	54
801	The effects of ultraviolet disinfection on vancomycin-resistant <i>Enterococcus faecalis</i> . Environmental Sciences: Processes and Impacts, 2020, 22, 418-429.	1.7	10
802	Efficacy of ultraviolet light-emitting diodes (UV-LED) at four different peak wavelengths against Cryptosporidium parvum oocysts by inactivation assay using immunodeficient mice. Parasitology International, 2020, 77, 102108.	0.6	4
803	Sanitization of Oak Barrels for Wine—A Review. Journal of Agricultural and Food Chemistry, 2020, 68, 5283-5295.	2.4	13
804	Multiwell plates for obtaining a rapid microbial dose-response curve in UV-LED systems. Journal of Photochemistry and Photobiology B: Biology, 2020, 207, 111865.	1.7	18
805	Repair Mechanisms of UV-Induced Damage of Microorganism in Foods. , 2021, , 385-397.		3
806	Effects on inactivation of Tetraselmis suecica following treatment by KBAL: a UV-based ballast water treatment system with an in-line vacuum drop. Journal of Marine Science and Technology, 2021, 26,	1.3	1

#	Article	IF	CITATIONS
807	Cryptosporidium spp. and Giardia spp. (00)cysts as target-organisms in sanitation and environmental monitoring: A review in microscopy-based viability assays. Water Research, 2021, 189, 116590.	5.3	15
808	Investigation of a new UVC LEDs array continuous type water disinfection system for inactivating Escherichia coli O157:H7 according to flow rate and electrical energy efficiency analysis. Food Control, 2021, 119, 107470.	2.8	12
809	Peracetic acid-based advanced oxidation processes for decontamination and disinfection of water: A review. Water Research, 2021, 188, 116479.	5.3	284
810	Concerns and strategies for wastewater treatment during COVID-19 pandemic to stop plausible transmission. Resources, Conservation and Recycling, 2021, 164, 105156.	5.3	90
811	A chronicle of SARS-CoV-2: Seasonality, environmental fate, transport, inactivation, and antiviral drug resistance. Journal of Hazardous Materials, 2021, 405, 124043.	6.5	76
812	Experimental and computational evaluation of a flow-through UV-LED reactor for MS2 and adenovirus inactivation. Chemical Engineering Journal, 2021, 407, 127058.	6.6	16
813	Enhancement of UV disinfection of urine matrixes by electrochemical oxidation. Journal of Hazardous Materials, 2021, 410, 124548.	6.5	23
814	Solarâ€Driven Photocatalytic Disinfection Over 2D Semiconductors: The Generation and Effects of Reactive Oxygen Species. Solar Rrl, 2021, 5, 2000594.	3.1	20
815	Radical-promoted formation of dibenzofuran during combined UV-chlorine treatment on mono-substituted diphenyl ether. Chemical Engineering Journal, 2021, 420, 127620.	6.6	3
816	Efficiency improvement of a flow-through water disinfection reactor using UV-C light emitting diodes. Journal of Water Process Engineering, 2021, 40, 101819.	2.6	23
817	Improving the microalgae inactivating efficacy of ultraviolet ballast water treatment in combination with hydrogen peroxide or peroxymonosulfate salt. Marine Pollution Bulletin, 2021, 162, 111886.	2.3	21
818	Screening Level Risk Assessment (SLRA) of human health risks from faecal pathogens associated with a Natural Swimming Pond (NSP). Water Research, 2021, 188, 116501.	5.3	8
819	Evaluation of disease management approaches for powdery mildew on <i>Cannabis sativa</i> L. (marijuana) plants. Canadian Journal of Plant Pathology, 2021, 43, 394-412.	0.8	23
820	Development and evaluation of a point-of-use UV appliance for fresh produce decontamination. International Journal of Food Microbiology, 2021, 339, 109024.	2.1	3
821	Photodynamic Coatings on Polymer Microfibers for Pathogen Inactivation: Effects of Application Method and Composition. ACS Applied Materials & amp; Interfaces, 2021, 13, 155-163.	4.0	20
822	Comparison of AOPs at pilot scale: Energy costs for micro-pollutants oxidation, disinfection by-products formation and pathogens inactivation. Chemosphere, 2021, 273, 128527.	4.2	60
823	Inactivation of microorganisms by newly emerged microplasma UV lamps. Chemical Engineering Journal, 2021, 413, 127490.	6.6	14
824	Microbial Dose-Response Curves and Disinfection Efficacy Models Revisited. Food Engineering Reviews, 2021, 13, 305-321.	3.1	15

#	Article	IF	CITATIONS
825	Development of a mercuryâ€free ultraviolet highâ€pressure plasma discharge for disinfection. Water and Environment Journal, 2021, 35, 41-54.	1.0	3
826	Evaporation of droplets capable of bearing viruses airborne and on hydrophobic surfaces. Journal of Applied Physics, 2021, 129, .	1.1	11
827	Potential discharge, attenuation and exposure risk of SARS-CoV-2 in natural water bodies receiving treated wastewater. Npj Clean Water, 2021, 4, .	3.1	20
828	Survival of Virus Particles in Water Droplets: Hydrophobic Forces and Landauer's Principle. Entropy, 2021, 23, 181.	1.1	13
829	Recent advancements and challenges in the field of nanotechnology for wastewater treatment, recycle, and reuse. , 2021, , 407-430.		0
830	Critical Research Gaps for Understanding Environmental Impacts of Discharging Treated Municipal Wastewater into Assimilation Wetlands. Wetlands, 2021, 41, 1.	0.7	3
831	The Importance of Measuring Ultraviolet Fluence Accurately: A Review of Microcystin-LR Removal by Direct Photolysis. Environmental Science and Technology Letters, 2021, 8, 199-205.	3.9	6
832	The virus removal in UV irradiation, ozonation and chlorination. Water Cycle, 2021, 2, 23-31.	2.1	56
833	Kinetic and Process Modeling of UV-C Irradiation of Foods. , 2021, , 227-255.		3
834	Advanced Processing Techniques for Extending the Shelf Life of Foods. , 2021, , 91-103.		3
835	Microorganisms Photocatalytic Inactivation on Ag3PO4 Sub-Microcrystals Under WLEDs Light Source. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 2233-2241.	1.9	6
836	Influence of UV Radiation on Physical and Biological Properties of Rapeseed in Pre Sowing Treatment. International Journal of Innovative Technology and Exploring Engineering, 2021, 10, 217-223.	0.2	2
837	Effect of UV Irradiation and TiO2-Photocatalysis on Airborne Bacteria and Viruses: An Overview. Materials, 2021, 14, 1075.	1.3	81
838	The effectiveness of treating irrigation water using ultraviolet radiation or sulphuric acid fertilizer for reducing generic <i>Escherichia coli</i> on fresh produce—a controlled intervention trial. Journal of Applied Microbiology, 2021, 131, 1360-1377.	1.4	2
839	Predictive Modeling of Virus Inactivation by UV. Environmental Science & Technology, 2021, 55, 3322-3332.	4.6	27
840	Emerging diseases of <i>Cannabis sativa</i> and sustainable management. Pest Management Science, 2021, 77, 3857-3870.	1.7	63
841	Electrified Membranes for Water Treatment Applications. ACS ES&T Engineering, 2021, 1, 725-752.	3.7	139
842	Ultrafiltration for environmental safety in shellfish production: A case of bloom emergence. Water Science and Engineering, 2021, 14, 46-53.	1.4	4

#	Article	IF	CITATIONS
843	Design and Optimization of Piezoelectric-Powered Portable UV-LED Water Disinfection System. Applied Sciences (Switzerland), 2021, 11, 3007.	1.3	3
844	Holistically Managing Pathogens and Nutrients in Urbanizing Tropical Towns: Can Sanitation Technologies Create Safer Conditions for Beach Recreation?. ACS ES&T Water, 2021, 1, 1184-1197.	2.3	3
845	Bacteriophages: from Isolation to Application. Current Pharmaceutical Biotechnology, 2022, 23, 337-360.	0.9	19
846	Methods, Protocols, Guidance and Standards for Performance Evaluation for Point-of-Use Water Treatment Technologies: History, Current Status, Future Needs and Directions. Water (Switzerland), 2021, 13, 1094.	1.2	10
847	Bacterial Spore Inactivation in Orange Juice and Orange Peel by Ultraviolet-C Light. Foods, 2021, 10, 855.	1.9	8
848	Combined photocatalytic degradation of pollutants and inactivation of waterborne pathogens using solar light active α/β-Bi2O3. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 615, 126214.	2.3	7
849	Effect of spray-drying and ultraviolet C radiation as biosafety steps for CSFV and ASFV inactivation in porcine plasma. PLoS ONE, 2021, 16, e0249935.	1.1	5
850	Monolithic microcavity second harmonic generation device using low birefringence paraelectric material without polarity-inverted structure. Applied Physics Express, 2021, 14, 061004.	1.1	3
851	Effects of nitrate and glucose on the formation of chloronitromethane (CNM) under UV/chlorine treatment. Journal of Water Reuse and Desalination, 2021, 11, 475-489.	1.2	6
852	Understanding Microbial Loads in Wastewater Treatment Works as Source Water for Water Reuse. Water (Switzerland), 2021, 13, 1452.	1.2	5
853	Recent Progress on Aluminum Gallium Nitride Deep Ultraviolet Lasers by Molecular Beam Epitaxy. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2100090.	1.2	8
854	Control of sulfides and coliphage MS2 using hydrogen peroxide and UV disinfection for non-potable reuse of pilot-scale anaerobic membrane bioreactor effluent. Water Research X, 2021, 11, 100097.	2.8	11
855	Woven-Fiber Microfiltration (WFMF) and Ultraviolet Light Emitting Diodes (UV LEDs) for Treating Wastewater and Septic Tank Effluent. Water (Switzerland), 2021, 13, 1564.	1.2	7
856	Make it clean, make it safe: A review on virus elimination via adsorption. Chemical Engineering Journal, 2021, 412, 128682.	6.6	40
857	Application of UV-LEDs for antibiotic resistance genes inactivation – Efficiency monitoring with qPCR and transformation. Journal of Environmental Chemical Engineering, 2021, 9, 105260.	3.3	7
858	Bacterial inactivation, photoreactivation and dark repair post flow-through pulsed UV disinfection. Journal of Water Process Engineering, 2021, 41, 102070.	2.6	18
859	UV-C LED Irradiation Reduces Salmonella on Chicken and Food Contact Surfaces. Foods, 2021, 10, 1459.	1.9	23
860	Wastewater reuse for crop irrigation: Crop yield, soil and human health implications based on giardiasis epidemiology. Science of the Total Environment, 2021, 775, 145833.	3.9	48

#	Article	IF	CITATIONS
861	Non-Thermal Plasma as a Novel Strategy for Treating or Preventing Viral Infection and Associated Disease. Frontiers in Physics, 2021, 9, .	1.0	38
862	Virus and Bacteria Inactivation Using Ultraviolet Light-Emitting Diodes. Environmental Engineering Science, 2021, 38, 458-468.	0.8	7
863	Transport and Retention of Free-Living Amoeba Spores in Porous Media: Effects of Operational Parameters and Extracellular Polymeric Substances. Environmental Science & Technology, 2021, 55, 8709-8720.	4.6	14
864	Occurrence and removal of intestinal parasites in two wastewater treatment plants in the south of Morocco. Journal of Environmental Health Science & Engineering, 2021, 19, 1425-1434.	1.4	4
865	Assessment of the UV/Chlorine Process in the Disinfection of <i>Pseudomonas aeruginosa</i> : Efficiency and Mechanism. Environmental Science & Technology, 2021, 55, 9221-9230.	4.6	109
866	Prediction of Photolysis Kinetics of Viral Genomes under UV254 Irradiation to Estimate Virus Infectivity Loss. Water Research, 2021, 198, 117165.	5.3	10
867	The Use of TiO2 as a Disinfectant in Water Sanitation Applications. Water (Switzerland), 2021, 13, 1641.	1.2	10
868	Non-conventional water reuse in agriculture: A circular water economy. Water Research, 2021, 199, 117193.	5.3	51
869	Determination of the characteristic inactivation fluence for SARS-CoV-2 under UV-C radiation considering light absorption in culture media. Scientific Reports, 2021, 11, 15293.	1.6	5
870	Skin tolerant inactivation of multiresistant pathogens using far-UVC LEDs. Scientific Reports, 2021, 11, 14647.	1.6	37
871	Global occurrence of SARS-CoV-2 in environmental aquatic matrices and its implications for sanitation and vulnerabilities in Brazil and developing countries. International Journal of Environmental Health Research, 2022, 32, 2160-2199.	1.3	2
872	Inactivation of foodborne pathogenic and spoilage bacteria by single and dual wavelength UV-LEDs: Synergistic effect and pulsed operation. Food Control, 2021, 125, 107999.	2.8	19
873	Accelerating role of microbial film on soil corrosion of pipeline steel. International Journal of Pressure Vessels and Piping, 2021, 192, 104395.	1.2	18
874	Rainwater for residential hot water supply: Managing microbial risks. Science of the Total Environment, 2021, 782, 146889.	3.9	7
875	Fate of enteric viruses during leafy greens (romaine lettuce) production using treated municipal wastewater and AP205 bacteriophage as a surrogate. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2021, 56, 1-7.	0.9	2
876	Direct and indirect effects of SARS-CoV-2 on wastewater treatment. Journal of Water Process Engineering, 2021, 42, 102193.	2.6	44
877	Inactivation of Aspergillus species in real water matrices using medium pressure mercury lamps. Journal of Photochemistry and Photobiology B: Biology, 2021, 221, 112242.	1.7	6
878	Inactivation of SARS-CoV-2 by deep ultraviolet light emitting diode: A review. Japanese Journal of Applied Physics, 2021, 60, 090501.	0.8	8

#	Article	IF	CITATIONS
879	Both viable and inactivated amoeba spores protect their intracellular bacteria from drinking water disinfection. Journal of Hazardous Materials, 2021, 417, 126006.	6.5	27
880	Systematic review of the relative concentrations of noroviruses and fecal indicator bacteria in wastewater: considerations for use in quantitative microbial risk assessment. Journal of Water and Health, 2021, 19, 918-932.	1.1	5
881	Multi-Integrated Systems for Treatment of Abattoir Wastewater: A Review. Water (Switzerland), 2021, 13, 2462.	1.2	9
882	Microplastics act as an important protective umbrella for bacteria during water/wastewater disinfection. Journal of Cleaner Production, 2021, 315, 128188.	4.6	26
883	UVC inactivation of MS2-phage in drinking water – Modelling and field testing. Water Research, 2021, 203, 117496.	5.3	6
884	Insights into Solar Disinfection Enhancements for Drinking Water Treatment Applications. Sustainability, 2021, 13, 10570.	1.6	13
885	UV inactivation of viruses in water: its potential to mitigate current and future threats of viral infectious diseases. Japanese Journal of Applied Physics, 2021, 60, 110502.	0.8	11
886	The influence of UV irradiation on PAHs in wastewater. Journal of Environmental Management, 2021, 293, 112760.	3.8	10
887	Evaluation of three photosynthetic species smaller than ten microns as possible standard test organisms of ultraviolet-based ballast water treatment. Marine Pollution Bulletin, 2021, 170, 112643.	2.3	7
888	Self-powered mobile sterilization and infection control system. Nano Energy, 2021, 88, 106313.	8.2	25
889	Light-emitting diodes effect on Aspergillus species in filtered surface water: DNA damage, proteome response and potential reactivation. Environmental Pollution, 2021, 287, 117553.	3.7	5
890	The impact of bacterial cell aggregation on UV inactivation kinetics. Water Research, 2021, 204, 117593.	5.3	18
891	Synergistic algicidal effects of combined UV-LED/chlorine treatments on Tetraselmis sp.: Optimization and mode-of-action. Chemical Engineering Journal, 2021, 422, 130043.	6.6	3
892	The occurrence and control of waterborne viruses in drinking water treatment: A review. Chemosphere, 2021, 281, 130728.	4.2	36
893	Household water purification system comprising cartridge filtration, UVC disinfection and chlorination to treat turbid raw water. Journal of Water Process Engineering, 2021, 43, 102203.	2.6	12
894	Model development for evidence-based prioritisation of policy action on emerging chemical and microbial drinking water risks. Journal of Environmental Management, 2021, 295, 112902.	3.8	3
895	Solar disinfection (SODIS) technologies as alternative for large-scale public drinking water supply: Advances and challenges. Chemosphere, 2021, 281, 130754.	4.2	29
896	UVC-based photoinactivation as an efficient tool to control the transmission of coronaviruses. Science of the Total Environment, 2021, 792, 148548.	3.9	43

#	Article	IF	CITATIONS
897	Orthogonal processing strategies to create "phage-free―whey – Membrane filtration followed by thermal or ultraviolet C treatment for the reduction of Lactococcus lactis bacteriophages. International Dairy Journal, 2021, 122, 105149.	1.5	7
898	Sterilization of food packaging by UV-C irradiation: Is Aspergillus brasiliensis ATCC 16404 the best target microorganism for industrial bio-validations?. International Journal of Food Microbiology, 2021, 357, 109383.	2.1	10
899	Inactivation of marine bivalve parasites using UV-C irradiation: Examples of Perkinsus olseni and Bonamia ostreae. Aquaculture Reports, 2021, 21, 100859.	0.7	3
900	A review on disinfection technologies for controlling the antibiotic resistance spread. Science of the Total Environment, 2021, 797, 149150.	3.9	37
901	The role of UV and blue light in photo-eradication of microorganisms. Journal of Photochemistry and Photobiology, 2021, 8, 100064.	1.1	12
902	Revealing photon transmission in an ultraviolet reactor: Advanced approaches for measuring fluence rate distribution in water for model validation. Journal of Environmental Sciences, 2021, 110, 169-177.	3.2	2
903	Ultraviolet radiation as an antimicrobial treatment in Brazilian diesel oil: Effect of biodiesel, sulfur, and water contents. Fuel, 2022, 308, 122076.	3.4	2
904	Potential of UV-B and UV-C irradiation in disinfecting microorganisms and removing N-nitrosodimethylamine and 1,4-dioxane for potable water reuse: A review. Chemosphere, 2022, 286, 131682.	4.2	22
905	Photolysis of free chlorine and production of reactive radicals in the UV/chlorine system using polychromatic spectrum LEDs as UV sources. Chemosphere, 2022, 286, 131828.	4.2	11
906	Stormwater treatment for reuse: Current practice and future development – A review. Journal of Environmental Management, 2022, 301, 113830.	3.8	22
907	Sequential use of UV-LEDs irradiation and chlorine to disinfect waterborne fungal spores: Efficiency, mechanism and photoreactivation. Journal of Hazardous Materials, 2022, 423, 127102.	6.5	14
908	A review of the fluence determination methods for UV reactors: Ensuring the reliability of UV disinfection. Chemosphere, 2022, 286, 131488.	4.2	17
909	Efficacy of UV-LED based advanced disinfection processes in the inactivation of waterborne fungal spores: Kinetics, photoreactivation, mechanism and energy requirements. Science of the Total Environment, 2022, 803, 150107.	3.9	17
910	Advances in application of ultraviolet irradiation for biofilm control in water and wastewater infrastructure. Journal of Hazardous Materials, 2022, 421, 126682.	6.5	40
911	Inactivation efficacy and mechanism of pulsed corona discharge plasma on virus in water. Journal of Hazardous Materials, 2022, 422, 126906.	6.5	24
912	Degradation of Rhodamine B and Methylene Blue by Underwater Dielectric Barrier Discharge. IEEE Transactions on Plasma Science, 2021, 49, 3268-3271.	0.6	4
914	Roadmap for Managing SARS-CoV-2 and other Viruses in the Water Environment for Public Health. Engineering, 2021, , .	3.2	6
915	Portable UV-C disinfection methods. , 2021, , .		0

#	Article	IF	CITATIONS
916	Quantitative Microbial Risk Assessment of Pediatric Infections Attributable to Ingestion of Fecally Contaminated Domestic Soils in Low-Income Urban Maputo, Mozambique. Environmental Science & Technology, 2021, 55, 1941-1952.	4.6	15
917	Ultraviolet Light Microbial Inactivation in Liquid Foods. , 2021, , 146-170.		3
918	UV astronomy and the investigation of the origin of life. , 2021, , 15-73.		2
919	UV Effects UV (ultraviolet) effects on Living Organisms. , 2012, , 11375-11427.		4
921	Fungi Contamination of Drinking Water. Reviews of Environmental Contamination and Toxicology, 2014, 228, 121-139.	0.7	14
922	Ultraviolet Light-Emitting Diodes for Water Disinfection. Springer Series in Materials Science, 2016, , 267-291.	0.4	1
923	UV Rate Constants. , 2009, , 73-117.		7
924	Disinfection: A Trade-Off Between Microbial and Chemical Risks. , 2020, , 211-228.		2
925	Using Algal Virus <i>Paramecium bursaria</i> Chlorella Virus as a Human Adenovirus Surrogate for Validation of UV Treatment Systems. Environmental Science & Technology, 2020, 54, 15507-15515.	4.6	7
927	Evaluation of photocatalytic activity of commercial red phosphorus towards the disinfection of E. coli and reduction of Cr (VI) under direct sunlight. Materials Research Express, 2020, 7, 104002.	0.8	13
928	Ultraviolet Light for Processing Fruits and Fruit Products. Contemporary Food Engineering, 2012, , 1-36.	0.2	3
929	Lightweight UV-C disinfection system. Biomedical Optics Express, 2020, 11, 4326.	1.5	28
930	Chemical Addressability of Ultraviolet-Inactivated Viral Nanoparticles (VNPs). PLoS ONE, 2008, 3, e3315.	1.1	25
931	Impact of Dissolved Oxygen during UV-Irradiation on the Chemical Composition and Function of CHO Cell Culture Media. PLoS ONE, 2016, 11, e0150957.	1.1	10
932	Ultraviolet (UV-C) inactivation of Enterococcus faecium, Salmonella choleraesuis and Salmonella typhimurium in porcine plasma. PLoS ONE, 2017, 12, e0175289.	1.1	14
933	Ultraviolet germicidal irradiation in tap water contaminated by spp. Journal of Preventive Medicine and Hygiene, 2017, 58, E315-E319.	0.9	3
934	Microbiological evaluation of constructed wetlands and solar disinfection in wastewater treatment and reuse. Journal of Water and Health, 2020, 18, 1146-1153.	1.1	5
935	Inactivation of health-related microorganisms in water using UV light-emitting diodes. Water Science and Technology: Water Supply, 2019, 19, 1507-1514.	1.0	27

#	Article	IF	CITATIONS
936	Pharmaceutical Mixtures: Still A Concern for Human and Environmental Health. Current Medicinal Chemistry, 2020, 27, 121-153.	1.2	6
937	Assessment of UV-B damage in cyanophage PP. Aquatic Microbial Ecology, 2010, 58, 323-328.	0.9	7
938	Disinfection of Wastewater by UV-Based Treatment for Reuse in a Circular Economy Perspective. Where Are We at?. International Journal of Environmental Research and Public Health, 2021, 18, 77.	1.2	29
939	Approaches for determining the effects of UV radiation on microorganisms in ballast water. Management of Biological Invasions, 2013, 4, 87-99.	0.5	32
940	Growth and repair potential of three species of bacteria in reclaimed wastewater after UV disinfection. Biomedical and Environmental Sciences, 2011, 24, 400-7.	0.2	34
941	UVC Light for Antifouling. Marine Technology Society Journal, 2017, 51, 59-70.	0.3	16
943	Culturability and Viability of <i>Salmonella Typhimurium</i> during Photo-Fenton Process at pH 5.5 under Solar Simulated Irradiation. Journal of Water Resource and Protection, 2013, 05, 21-27.	0.3	4
944	Characterization of Spirooxazine and Spiropyran Hosted in Poly(Methyl Methacrylate) for Germicidal UV Source Indicator Application. Optics and Photonics Journal, 2013, 03, 11-16.	0.3	14
945	Evaluation of UVC Radiation and a UVC-Ozone Combination as Fresh Beef Interventions against Shiga Toxin–Producing Escherichia coli, Salmonella, and Listeria monocytogenes and Their Effects on Beef Quality. Journal of Food Protection, 2020, 83, 1520-1529.	0.8	13
946	Treatment of surface water using cold plasma for domestic water supply. Environmental Engineering Research, 2019, 24, 412-417.	1.5	30
947	The Dutch secret: how to provide safe drinking water without chlorine in the Netherlands. Drinking Water Engineering and Science, 2009, 2, 1-14.	0.8	95
949	PARASITOLOGIA AMBIENTAL: MÉTODOS DE CONCENTRAÇÃO E DETECÇÃO DE Cryptosporidium spp. E Giardia spp. EM AMOSTRAS DE ÃGUA. Journal of Tropical Pathology, 2012, 41, .	0.1	10
950	Bacteriocidal Effects of Ultraviolet Irradiation for Reducing Bovine Mastitis Derived from Environmental Contamination. Korean Journal of Environmental Agriculture, 2008, 27, 435-440.	0.0	2
951	Sterilization of Escherichia coli Based on Nd: YAG Resonator with a Pulsed Xenon Flashlamp. Journal of Electrical Engineering and Technology, 2011, 6, 275-279.	1.2	10
952	Infectivity of <i>Giardia duodenalis</i> Cysts from UV Light-Disinfected Wastewater Effluent Using a Nude BALB/c Mouse Model. ISRN Parasitology, 2013, 2013, 1-7.	0.6	5
953	Ultraviolet disinfection impacts the microbial community composition and function of treated wastewater effluent and the receiving urban river. PeerJ, 2019, 7, e7455.	0.9	17
954	Optimized Coverage Planning for UV Surface Disinfection. , 2021, , .		7
955	UV-LED Combined with Small Bioreactor Platform (SBP) for Degradation of 17α-Ethynylestradiol (EE2) at Very Short Hydraulic Retention Time. Materials, 2021, 14, 5960.	1.3	2

	Сітаті	on Report	
# 956	ARTICLE Assessment of physiological responses of bacteria to chlorine and UV disinfection using a plate count method, flow cytometry and viability PCR. Journal of Applied Microbiology, 2022, 132, 1788-1801.	IF 1.4	CITATIONS
957	The fate and transformation of iodine species in UV irradiation and UV-based advanced oxidation processes. Water Research, 2021, 206, 117755.	5.3	21
958	ADENOVIRUSES. , 2009, , 1949-1972.		2
960	Evaluation of the Innovated Disinfection Process with High Dissolved CO2. Journal of Water and Environment Technology, 2010, 8, 177-184.	0.3	1
962	An MILP model for cost-effective water treatment synthesis. , 0, , .		1
964	Interventions for Hazard Control in Foods Preharvest. , 0, , 357-378.		1
967	Application of environmentally friendly techniques to inactivate Campylobacter sp. in poultry meat. Zywnosc Nauka Technologia Jakosc/Food Science Technology Quality, 2015, , .	0.1	0
968	Evaluation of Indigenous Solar Water Disinfection Reactor. , 2015, 26, .		0
969	TRATAMENTO DE EFLUENTES DA INDÚSTRIA DE CONSERVAS DE PEIXE COM VISTA À SUA REUTILIZAÇÂ	fO.,0,,.	0
970	INACTIVATION AND PHOTOREACTIVATION OF DRUG-RESISTANT <i>ESCHERICHIA COLI</i> USING LOW- A MEDIUM-PRESSURE UV LAMPS. Journal of Japan Society of Civil Engineers Ser G (Environmental) Tj ETQq1	ND 1 0.784 3₀1# rgBT	/Overlock
973	Dynamique des populations amibiennes et de leur microbiome au sein d'un réseau d'eau potable Techniques - Sciences - Methodes, 2017, , 16-27.	2. 0.0	0
974	UV Effects on Living Organisms. , 2018, , 1-63.		3
975	ANALYSIS OF TECHNICAL AND TECHNOLOGICAL PARAMETERS OF WASTE WATER TREATMENT PLANT FOR TO 15 000 EQUIVALENTS. Archives for Technical Sciences, 2018, 1, .	2 UP 0.1	0
976	Uji Sifat Fisika Dan Kimia Susu Sapi Terpapar Uv. Jurnal Ilmiah Inovasi, 2018, 18, .	0.1	0
977	Meyve ve Sebzelerde UV-C Işık Uygulamaları ile Küf İnhibisyonu. Akademik Gıda, 0, , 458-469.	0.5	2
978	Persepsi Petani terhadap Penerapan Inovasi Pengelolaan Tanaman Terpadu Padi Sawah Tadah Hujan di kabupaten Jayapura, Papua. Jurnal Ilmiah Inovasi, 2018, 18, .	0.1	0
979	Validation of high rate algal ponds as an efficient wastewater treatment option to improve public health in rural communities. , 0, , .		0
980	Properties of UV inactivation of Aggregated <i>Escherichia coli</i> . Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2019, 75, III_85-III_90.	0.1	1

#	Article	IF	CITATIONS
981	INACTIVATION OF F-SPECIFIC RNA BACTERIOPHAGE GENOTYPES IN SECONDARY EFFLUENTS BY CHLORINE AND ULTRAVIOLET DISINFECTION, AND IDENTIFICATION OF SURVIVING STRAINS AFTER DISINFECTION USING NEXT GENERATION SEQUENCING. Journal of Japan Society of Civil Engineers Ser G (Environmental) Tj ETQq0 0 0	rg <mark>B1</mark> /Ove	rlock 10 Tf 5
982	Watching With Porcine Corneal: Developing Porcine Corneal Scaffolds Using Decellularization Strategies. , 2019, , 202-212.		0
983	Inactivation Effects of Allergen (Cry j 1) by Various Wavelengths of Ultraviolet Light. Journal of Environmental Conservation Engineering, 2019, 48, 327-333.	0.0	0
984	Susceptibility of Bacteria Isolated from Air-Conditioning System Ducts to Different Ultraviolet Radiation Doses. Journal of Pure and Applied Microbiology, 2019, 13, 2383-2388.	0.3	0
985	ANÃLISE COMPARATIVA DE TÉCNICAS DE DESINFECÇÃ∱O EM EFLUENTE DE ETE UTILIZANDO MICRORGANISMOS INDICADORES. Revista AIDIS De IngenierÃa Y Ciencias Ambientales Investigación Desarrollo Y Práctica, 2020, 13, 582.	0.0	0
986	DÜŞÜK BROMÜR VE ORGANİK MADDE İÇEREN SU KAYNAKLARI İÇİN ÖN DEZENFEKTAN SEÇİN KARAR VERME METOTLARININ UYGULANMASI. UludaÄŸ University Journal of the Faculty of Engineering, 0, , 1039-1059.	MİNDE Â 0.2	Á‡OK Ã−LÃ: <mark></mark> Å 0
987	Formation and transformation of halonitromethanes from dimethylamine in the presence of bromide during the UV/chlorine disinfection. Chemosphere, 2022, 291, 132731.	4.2	11
988	Knowledge, Attitude and Practices Towards Cryptosporidium Among Public Swimming Pool Patrons and Staff in Western Australia. Acta Parasitologica, 2021, , 1.	0.4	1
989	Field Test of Ultraviolet Light-Emitting Diode (UV-LED) Apparatuses as an Option of Decentralized Water Treatment Technologies. Journal of Japan Society on Water Environment, 2020, 43, 119-126.	0.1	8
991	Evaluation of pathogen risks using QMRA to explore wastewater reuse options: A case study from New Delhi in India. Water Science and Technology, 2021, 83, 543-555.	1.2	4
992	INACTIVATION EFFECT OF UV-LED ON INDICATOR BACTERIA IN JOHKASOU EFFLUENT WATER. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2020, 76, III_243-III_250.	0.1	3
993	Inactivation of Extended-spectrum β-lactamase (ESBL)-producing Escherichia coli by UVA-LED irradiation system. Journal of Medical Investigation, 2020, 67, 163-169.	0.2	4
994	Comparison of UVA-LED and UVC-LED for Water Disinfection: Inactivation of Escherichia Coli. Environmental Science and Engineering, 2020, , 39-49.	0.1	0
995	Development of molecular methods to detect and control emerging drug-resistance pathogens. , 2020, , 377-419.		1
996	Sanitary sewage disinfection with ultraviolet radiation and ultrasound. International Journal of Environmental Science and Technology, 2022, 19, 11531-11538.	1.8	3
997	Operando Investigation of Locally Enhanced Electric Field Treatment (LEEFT) Harnessing Lightning-Rod Effect for Rapid Bacteria Inactivation. Nano Letters, 2022, 22, 860-867.	4.5	16
998	Serving many masters at once: a framework for assessing ecosystem services delivered by quarry lakes. Inland Waters, 2022, 12, 121-137.	1.1	10
999	NGHIÊN CỨU KHẢ NÄ,NG BẤ HOáºT ESCHERICHIA COLI TRONG NÆ⁻ỚC BẺNG TIA Cá»°C TÃM VỚI Sá» LỎNG. Hue University Journal of Science Earth Science and Environment. 2020. 129	° Há»— Ti 0.0	₹Ợ CỦA∃

ARTICLE IF CITATIONS Qualitative Studies on the Development of Ultraviolet Sterilization System for Biological 1001 0.2 1 Applications. IFMBE Proceedings, 2009, , 280-283. Biofilm, a Cozy Structure for Legionella pneumophila Growth and Persistence in the Environment., 0, Solar UV radiation modulates animal health and pathogen prevalence in coastal habitatsâ€"knowledge 1003 0.9 2 gaps and implications for bivalve aquaculture. Marine Ecology - Progress Series, 2020, 653, 217-231. Synergetic Effect of Silver Nanoparticles and UVC Irradiation on Gene Expression in TK6 Cells. Cell 0.2 Journal, 2019, 21, 204-209. 1006 Geometrical limits for UV-C inactivation of pathogens. Optik, 2022, 250, 168269. 1.4 1 Swimming Pool-Related Outbreak of a Rare gp60 Subtype of Cryptosporidium hominis, England, October 2016. Water (Switzerland), 2021, 13, 3152. 1.2 Ultraviolet photolysis of monochloro-p-benzoquinone (MCBQ) in aqueous solution: Theoretical 1008 4.2 3 investigation into the dechlorination. Chemosphere, 2022, 291, 132884. <i>Escherichia coli</i> and <i>Enterococcus</i> spp. Indigenous to Wastewater Have Slower Free Chlorine Disinfection Rates than Their Laboratory-Cultured Counterparts. Environmental Science and 3.9 Technology Letters, 2021, 8, 1091-1097. Application of iron-activated persulfate for municipal wastewater disinfection. Journal of Hazardous 1010 6.5 14 Materials, 2022, 426, 127989. Safe drinking water for rural communities using a low-cost household system. Effects of water 2.6 matrix and field testing. Journal of Water Process Engineering, 2021, 44, 102400. High efficiency electrochemical disinfection of Pseudomons putida using electrode of orange peel 1012 7 4.2 biochar with endogenous metals. Chemosphere, 2022, 289, 133138. Overgrowth control of potentially hazardous bacteria during storage of ozone treated wastewater 5.3 through natural competition. Water Research, 2022, 209, 117932. Efficient Disinfection of SARS-CoV-2 and Other Coronaviruses Using Cold Plasma Induces Spike 1014 0.4 0 Protein Damage. SSRN Electronic Journal, 0, , . Prevalence of common enteric viruses in municipal wastewater treatment plants and their health 0.6 risks arising from wastewater reuse. Blue-Green Systems, 2021, 3, 95-107 Sustainable groundwater treatment technologies for underserved rural communities in emerging 1016 10 3.9 economies. Science of the Total Environment, 2022, 813, 152633. Performance evaluation of point-of-use UVC-LED water disinfection photoreactors using CFD and 14 response surface methodology. Journal of Water Process Engineering, 2022, 46, 102545. Towards a Novel Combined Treatment Approach Using Light-Emitting Diodes and Photocatalytic 1018 1.2 4 Ceramic Membranes. Water (Switzerland), 2022, 14, 292. Impact of operation parameters on the degradation of 233 nm AlGaN-based far-UVC LEDs. Journal of 1019 1.1 Applied Physics, 2022, 131, .

#	Article	IF	CITATIONS
1020	Evaluation of parameters governing dark and photo-repair in UVC-irradiated <i>Escherichia coli</i> . Environmental Science: Water Research and Technology, 2022, 8, 407-418.	1.2	4
1021	Comparison of disinfection in intermittently mixed (6 am–6 pm) and continuously mixed high rate algal ponds treating domestic wastewater in winter. Environmental Science: Water Research and Technology, 2022, 8, 771-780.	1.2	1
1022	Removal of antimicrobial resistance determinants from wastewater: a risk perspective on conventional and emerging technologies. , 2022, , 603-642.		4
1023	The inactivation of bacteriophages MS2 and PhiX174 by nanoscale zero-valent iron: Resistance difference and mechanisms. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	3.3	7
1024	Developing Multifunctional/Smart Civil Engineering Materials to Fight Viruses. ACS Sustainable Chemistry and Engineering, 2022, 10, 678-690.	3.2	2
1025	An extraordinary dairy phage and its properties: Occurrence, growth, inactivation, survival. International Dairy Journal, 2022, 129, 105336.	1.5	6
1026	Efficient disinfection of SARS-CoV-2-like coronavirus, pseudotyped SARS-CoV-2 and other coronaviruses using cold plasma induces spike protein damage. Journal of Hazardous Materials, 2022, 430, 128414.	6.5	31
1027	Monitoring coliphages to reduce waterborne infectious disease transmission in the One Water framework. International Journal of Hygiene and Environmental Health, 2022, 240, 113921.	2.1	8
1028	Inactivation of Listeria monocytogenes and Salmonella Typhimurium in beef broth and on diced beef using an ultraviolet light emitting diode (UV-LED) system. LWT - Food Science and Technology, 2022, 158, 113150.	2.5	4
1029	Self-powered antifouling UVC pipeline sterilizer driven by the discharge stimuli based on the modified freestanding rotary triboelectric nanogenerator. Nano Energy, 2022, 95, 106969.	8.2	24
1030	Quantitative Detection of <i>In Vivo</i> Aggregation Degree for Enhanced M2 Macrophage MR Imaging. Nano Letters, 2022, 22, 1694-1702.	4.5	14
1031	Differences in UV-C LED Inactivation of Legionella pneumophila Serogroups in Drinking Water. Microorganisms, 2022, 10, 352.	1.6	8
1032	Inactivation of E. coli and Streptococcus agalactiae by UV/persulfate during marine aquaculture disinfection. Environmental Science and Pollution Research, 2022, 29, 45421-45434.	2.7	10
1033	New food safety challenges of viral contamination from a global perspective: Conventional, emerging, and novel methods of viral control. Comprehensive Reviews in Food Science and Food Safety, 2022, 21, 904-941.	5.9	6
1034	Self-Powered Antifouling UVC Pipeline Sterilizer Driven by the Discharge Stimuli Based on the Modified Freestanding Rotary Triboelectric Nanogenerator. SSRN Electronic Journal, 0, , .	0.4	0
1035	Ultraviolet Light-Emitting Diode (UV-LED) Sterilization of Citrus Bacterial Canker Disease Targeted for Effective Decontamination of <i>Citrus Sudachi</i> Fruit. Biocontrol Science, 2022, 27, 1-7.	0.2	4
1036	Depuration of bivalve molluscs: a literature review. Food Science and Technology, 0, 42, .	0.8	4
1037	From Groundwater to Drinking Water—Microbiology of Karstic Water Resources. , 2022, , .		0

#	Article	IF	CITATIONS
1038	Electrochemical treatment of livestock waste streams. A review. Environmental Chemistry Letters, 2022, 20, 1863-1895.	8.3	15
1039	Sorption of Fluoride and Bacterial Disinfection Property of Biosynthesized Nanofibrous Cellulose Decorated Ag–MgO–Nanohydroxyapatite Composite for Household Water Treatment. Polymers, 2022, 14, 890.	2.0	3
1040	Removal of viruses from their cocktail solution by liquid-crystalline water-treatment membranes. Polymer Journal, 2022, 54, 821-825.	1.3	4
1041	A 265-Nanometer High-Power Deep-UV Light-Emitting Diode Rapidly Inactivates SARS-CoV-2 Aerosols. MSphere, 2022, 7, e0094121.	1.3	11
1042	Removal efficiencies of natural and synthetic progesterones in hospital wastewater treated by different disinfection processes. Frontiers of Environmental Science and Engineering, 2022, 16, 1.	3.3	8
1043	Inactivation and subsequent reactivation of Aspergillus species by the combination of UV and monochloramine: Comparisons with UV/chlorine. Journal of Environmental Sciences, 2022, 117, 105-118.	3.2	10
1044	UV surface disinfection in a wearable drug delivery device. Biomedical Optics Express, 2022, 13, 2144.	1.5	0
1045	Risk-Based Evaluation of Improvements in Drinking Water Treatment Using Cost-Benefit Analysis. Water (Switzerland), 2022, 14, 782.	1.2	3
1046	Blue Light Inhibits E. coli, but Decisive Parameters Remain Hidden in the Dark: Systematic Review and Meta-Analysis. Frontiers in Microbiology, 2022, 13, 867865.	1.5	5
1047	Autonomous Environment Disinfection Based on Dynamic UV-C Irradiation Map. IEEE Robotics and Automation Letters, 2022, 7, 4789-4796.	3.3	4
1048	The status of potable water reuse implementation. Water Research, 2022, 214, 118198.	5.3	24
1049	Effects of MS bacteriophages, ultraviolet light, and organic acid applications on beef trim contaminated with STEC O157:H7 and the "Big Six―serotypes after a simulated High Event Period Scenario. Meat Science, 2022, 188, 108783.	2.7	2
1050	A sequential utilization of the UV-A (365Ânm) fluence rate for disinfection of water, contaminated with Legionella pneumophila and Legionella dumoffii. Environmental Pollution, 2022, 304, 119224.	3.7	4
1051	Wastewater reuse for irrigation of produce: A review of research, regulations, and risks. Science of the Total Environment, 2022, 828, 154385.	3.9	36
1052	Flow Cytometric Analysis of Bacterial Protein Synthesis: Monitoring Vitality After Water Treatment. Frontiers in Microbiology, 2021, 12, 772651.	1.5	3
1053	Recent Update on UV Disinfection to Fulfill the Disinfection Credit Value for Enteric Viruses in Water. Environmental Science & amp; Technology, 2021, 55, 16283-16298.	4.6	14
1054	Inactivation of Foodborne Viruses by UV Light: A Review. Foods, 2021, 10, 3141.	1.9	15
1055	The effectiveness of commercial household ultraviolet C germicidal devices in Thailand. Scientific Reports, 2021, 11, 23859.	1.6	6

#	Article	IF	CITATIONS
1057	Electrocatalytic generation of reactive species and implications in microbial inactivation. Chinese Journal of Catalysis, 2022, 43, 1399-1416.	6.9	8
1063	Inactivation and Photoreactivation of Blandm-1-Carrying Super-Resistant Bacteria by Uv, Chlorination and Uv/Chlorination. SSRN Electronic Journal, 0, , .	0.4	0
1065	Inactivation of Vancomycin-Resistant Enterococcus Faecalis and Degradation of Intracellular Vanb Gene Under Exposure to Uv and Uv/H2o2. SSRN Electronic Journal, 0, , .	0.4	0
1066	Antibiotic-resistant bacteria and antibiotic resistance genes in aquatic systems: Occurrence, behaviour, and fate. , 2022, , 121-136.		1
1067	Ultraviolet light alters experimental aquarium water microbial communities. Zoo Biology, 2022, , .	0.5	0
1068	UV inactivation of sewage isolated human adenovirus. Water Research, 2022, 218, 118496.	5.3	7
1069	Sources, fates and treatment strategies of typical viruses in urban sewage collection/treatment systems: A review. Desalination, 2022, 534, 115798.	4.0	10
1070	Control for chlorine resistant spore forming bacteria by the coupling of pre-oxidation and coagulation sedimentation, and UV-AOPs enhanced inactivation in drinking water treatment. Water Research, 2022, 219, 118540.	5.3	9
1071	Disinfection kinetics of peracetic acid inactivation of pathogenic bacteria in water. Water Cycle, 2022, 3, 79-85.	2.1	8
1072	Molecular ecological networks reveal the spatial-temporal variation of microbial communities in drinking water distribution systems. Journal of Environmental Sciences, 2023, 124, 176-186.	3.2	12
1074	Heterogeneous UV disinfection aided by ZnO/Al ₂ O ₃ composites for inhibiting antibiotic resistant bacteria photoreactivation and gene recovery. Environmental Science: Nano, 2022, 9, 2488-2499.	2.2	3
1075	Peroxydisulfate activation by CuO pellets in a fixed-bed column, operating mode and assessments for antibiotics degradation and urban wastewater disinfection. Environmental Science and Pollution Research, 2022, 29, 71709-71720.	2.7	8
1076	Planar reactor with a serpentine channel for water disinfection by using ultraviolet C light-emitting diodes. Journal of Water Process Engineering, 2022, 48, 102851.	2.6	4
1077	Effect of Ultraviolet-C Light-Emitting Diode Treatment on Disinfection of Norovirus in Processing Water for Reuse of Brine Water. Frontiers in Microbiology, 2022, 13, .	1.5	1
1078	Evaluation of Household Drinking Water Treatment Systems for Removal of Pathogens. , 2022, , .		0
1079	Inactivation of Vancomycin-Resistant Enterococcus Faecalis and Degradation of Intracellular Vanb Gene Under Exposure to UV and UV/H2O2. SSRN Electronic Journal, 0, , .	0.4	0
1080	Green technology in food processing and preservation. , 2022, , 87-118.		0
1081	Ultraviolet light-emitting diodes inactivate microorganisms on contaminated surface. IOP Conference Series: Earth and Environmental Science, 2022, 1035, 012001.	0.2	0

#	Article	IF	CITATIONS
1082	Retention and Inactivation of Quality Indicator Bacteria Using a Photocatalytic Membrane Reactor. Catalysts, 2022, 12, 680.	1.6	3
1083	Hand-powered and portable water disinfection system by locally enhanced electric field treatment (LEEFT) with modified nanowire electrodes. European Physical Journal Plus, 2022, 137, .	1.2	1
1084	Effectiveness of two UV-C light-emitting diodes (LED) systems in inactivating fungal conidia on polyethylene terephthalate. Innovative Food Science and Emerging Technologies, 2022, 79, 103050.	2.7	4
1085	Review of Method and a New Tool for Decline and Inactive SARS-CoV-2 in Wastewater Treatment. , 2022, 3, 100037.		4
1086	Technology assessment of solar disinfection for drinking water treatment. Nature Sustainability, 2022, 5, 801-808.	11.5	30
1087	A UVâ€C LEDâ€based unit for continuous decontamination of the sheath fluid in a flowâ€cytometric cell sorter. Engineering in Life Sciences, 0, , .	2.0	0
1088	Transmission Pathways and Genomic Epidemiology of Emerging Variants of SARS-CoV-2 in the Environment. Covid, 2022, 2, 916-939.	0.7	5
1089	The UV Dose Used for Disinfection of Drinking Water in Sweden Inadequately Inactivates Enteric Virus with Double-Stranded Genomes. International Journal of Environmental Research and Public Health, 2022, 19, 8669.	1.2	4
1090	Inactivation and photoreactivation of blaNDM-1-carrying super-resistant bacteria by UV, chlorination and UV/chlorination. Journal of Hazardous Materials, 2022, 439, 129549.	6.5	6
1091	Synergistic effects of UV and chlorine in bacterial inactivation for sustainable water reclamation and reuse. Science of the Total Environment, 2022, 845, 157320.	3.9	13
1092	Anticancer Drugs Gemcitabine, Letrozole, and Tamoxifen in Municipal Wastewater and Their Photodegradation in Laboratory-Scale UV Experiments. Water, Air, and Soil Pollution, 2022, 233, .	1.1	1
1093	Investigation of the effect of microplastics on the UV inactivation of antibiotic-resistant bacteria in water. Water Research, 2022, 222, 118906.	5.3	10
1094	Watts-level ultraviolet-C LED integrated light sources for efficient surface and air sterilization. Journal of Semiconductors, 2022, 43, 072301.	2.0	4
1095	Effect of ultraviolet light treatment on microbiological safety and quality of fresh produce: An overview. Frontiers in Nutrition, 0, 9, .	1.6	17
1097	Kinetic modelling of colour and turbidity formation in aqueous solutions of sulphamethoxazole degraded by UV/H ₂ O ₂ . Environmental Technology (United Kingdom), 2024, 45, 349-359.	1.2	0
1098	Experimental validation of determinants of UV sensitivity using synthetic DNA. Journal of Photochemistry and Photobiology, 2022, 12, 100139.	1.1	1
1099	Effect of UV Light and Sodium Hypochlorite on Formation and Destruction of Pseudomonas fluorescens Biofilm In Vitro. Processes, 2022, 10, 1901.	1.3	3
1100	Inactivation of vancomycin-resistant Enterococcus faecalis and degradation of intracellular vanB gene under exposure to UV and UV/H2O2. Journal of Water Process Engineering, 2022, 49, 103004.	2.6	5

#	Article	IF	CITATIONS
1101	Development of a geometrical model for the determination of the average intensity in a flow-through UV-LED reactor and validation with biodosimetry and actinometry. Journal of Water Process Engineering, 2022, 49, 103137.	2.6	4
1102	Paradigm shift from conventional processes to advanced membrane adsorption-mediated inactivation processes towards holistic management of virus â~ A critical review. Journal of Environmental Chemical Engineering, 2022, 10, 108568.	3.3	4
1103	Occurrence of fungal spores in drinking water: A review of pathogenicity, odor, chlorine resistance and control strategies. Science of the Total Environment, 2022, 853, 158626.	3.9	13
1104	Synergistic disinfection of aerosolized bacteria and bacteriophage by far-UVC (222-nm) and negative air ions. Journal of Hazardous Materials, 2023, 441, 129876.	6.5	8
1105	Impact of reactive oxygen species on cell activity and structural integrity of Gram-positive and Gram-negative bacteria in electrochemical disinfection system. Chemical Engineering Journal, 2023, 451, 138879.	6.6	36
1106	Application of Nucleotide-Based Kinetic Modeling Approaches to Predict Antibiotic Resistance Gene Degradation during UV- and Chlorine-Based Wastewater Disinfection Processes: From Bench- to Full-Scale. Environmental Science & Technology, 2022, 56, 15141-15155.	4.6	6
1107	Design and Implementation of a Passive Agitator to Increase UV Dose in WWTPs Disinfection Channels. Lecture Notes in Mechanical Engineering, 2023, , 626-636.	0.3	3
1108	<scp>UV</scp> Inactivation of Common Pathogens and Surrogates Under 222 nm Irradiation from KrCl* Excimer Lamps. Photochemistry and Photobiology, 2023, 99, 975-982.	1.3	11
1109	Development and application of a dose–response model for <i>Elizabethkingia</i> spp. Risk Analysis, 0,	1.5	1
1110	Highly Permeable Polylactic Acid Membrane Grafted with Quaternary Ammonium Salt for Effective and Durable Water Disinfection. ACS Applied Materials & Interfaces, 2022, 14, 43741-43748.	4.0	10
1111	Efficient visible-light-photocatalytic sterilization by novel Z-scheme MXene/TiO2/Bi2S3. Journal of Environmental Chemical Engineering, 2022, 10, 108654.	3.3	10
1112	Effect of Combined UV-Tea Polyphenol Disinfection on Antibiotic-Resistant Genes in Drinking Water. Journal of Environmental Engineering, ASCE, 2022, 148, .	0.7	0
1113	Processing of Coconut Water. , 2022, , 139-239.		0
1115	Utilization of Textile Wastewater as A Substrate for Polyhydroxyalkanoate (PHA) and Enhanced Production by Mutant Enterobacter. Journal of Polymers and the Environment, 2023, 31, 677-687.	2.4	3
1116	Bacterial communities in ballast tanks of cargo vessels - Shaped by salinity, treatment and the point of origin of the water but "hatch―its typical microbiome. Journal of Environmental Management, 2022, 324, 116403.	3.8	1
1117	Advanced Sewage Disinfection Technologies Eco-Friendly with the Environment and Public Health. Environmental Contamination Remediation and Management, 2022, , 51-69.	0.5	0
1118	Role of melanin in the black yeast fungi Aureobasidium pullulans and Zalaria obscura in promoting tolerance to environmental stresses and to antimicrobial compounds. Fungal Biology, 2022, 126, 817-825.	1.1	9
1119	Evaluation of disinfection efficacy of single UV-C, and UV-A followed by UV-C LED irradiation on Escherichia coli, B. spizizenii and MS2 bacteriophage, in water. Science of the Total Environment, 2023, 859, 160256.	3.9	7

#	Article	IF	CITATIONS
1120	Effect of Ultraviolet Radiation on Reducing Airborne Escherichia coli Carried by Poultry Litter Particles. Animals, 2022, 12, 3170.	1.0	0
1122	Operation cost analysis of UV-based ballast water treatment system used on a bulk carrier ship. Environmental Research and Technology, 2022, 5, 349-356.	0.8	0
1123	Effect of dissolved organic matter property on the regrowth of Escherichia coli after ultraviolet disinfection. Journal of Water Process Engineering, 2023, 51, 103383.	2.6	2
1124	Flow electrochemical inactivation of waterborne bacterial endospores. Journal of Hazardous Materials, 2023, 445, 130505.	6.5	3
1125	Integrating life cycle assessment with quantitative microbial risk assessment for a holistic evaluation of sewage treatment plant. Science of the Total Environment, 2023, 862, 160842.	3.9	6
1126	Application of electric field treatment (EFT) for microbial control in water and liquid food. Journal of Hazardous Materials, 2023, 445, 130561.	6.5	3
1127	Radiação Ultravioleta para a Inativação de Microrganismos em Ambientes Públicos. Revista Brasileira De FÃsica Médica, 0, 16, 605.	0.0	0
1128	Ballast Water Problem: Current Status and Expected Challenges. Marine Science and Technology Bulletin, 0, , .	0.2	0
1129	Synergism in sequential inactivation of Cryptosporidium parvum with trypsin and UV irradiation. Environmental Science and Pollution Research, 0, , .	2.7	0
1130	Occurrence and control of fungi in water: New challenges in biological risk and safety assurance. Science of the Total Environment, 2023, 860, 160536.	3.9	8
1131	Effect of ultraviolet light-emitting diode processing on fruit and vegetable-based liquid foods: A review. Frontiers in Nutrition, 0, 9, .	1.6	2
1132	An aluminum-based reflective nanolens array that enhances the effectiveness of a continuous-flow ultraviolet disinfection system for livestock water. Journal of Animal Science and Technology, 0, , .	0.8	0
1133	Triboelectric nanogenerators for smart agriculture. InformaÄnÃ-Materiály, 2023, 5, .	8.5	12
1134	Effectiveness Evaluation of a UV-C-Photoinactivator against Selected ESKAPE-E Pathogens. International Journal of Environmental Research and Public Health, 2022, 19, 16559.	1.2	2
1135	A novel exposure mode based on UVA-LEDs for bacterial inactivation. Journal of Photochemistry and Photobiology B: Biology, 2023, 239, 112641.	1.7	1
1136	Effects of the initial concentration of microorganisms on inactivation by ultrasonic cavitation. Japanese Journal of Applied Physics, 2023, 62, SJ1009.	0.8	2
1137	Practice and Progress: Updates on Outbreaks, Advances in Research, and Processing Technologies for Low-moisture Food Safety. Journal of Food Protection, 2023, 86, 100018.	0.8	13
1138	An Overview of Diverse Strategies To Inactivate <i>Enterobacteriaceae</i> -Targeting Bacteriophages. EcoSal Plus, 2023, 11, .	2.1	2

#	Article	IF	CITATIONS
1139	Operation of a high-flow UV-LED water treatment reactor with secondary effluent for stress testing. Chemical Engineering Journal, 2023, 457, 141295.	6.6	3
1140	Virtual prototyping and characterization of a point-of-entry UV-LED water disinfection reactor with the synergic effect of radiation, hydrodynamics, and inactivation kinetics. Water Research, 2023, 230, 119581.	5.3	6
1141	Inactivation efficacy and reactivation of fecal bacteria with a flow-through LED ultraviolet reactor: Intraspecific response prevails over interspecific differences. Journal of Water Process Engineering, 2023, 52, 103497.	2.6	4
1142	Enhanced survival fractions of UV-irradiated spores in clusters on a surface in air: Measured and mathematically modeled results at 254-nm. Aerosol Science and Technology, 2023, 57, 487-507.	1.5	1
1143	Near dissolved organic matter microfiltration (NDOM MF) coupled with UVC LED disinfection to maximize the efficiency of water treatment for the removal of Giardia and Cryptosporidium. Water Research, 2023, 233, 119731.	5.3	7
1144	Occurrence and fate of an emerging drug pollutant and its by-products during conventional and advanced wastewater treatment: Case study of furosemide. Chemosphere, 2023, 322, 138212.	4.2	4
1145	Inactivation of Group I and Group II Clostridium botulinum spores by ultraviolet irradiation in water. International Journal of Food Microbiology, 2023, 395, 110191.	2.1	0
1147	Synergistic bactericidal activity of ultraviolet radiation, ozone, and liquid-thin-film technology against <i>Escherichia coli</i> in water. Water Science and Technology: Water Supply, 2023, 23, 884-894.	1.0	0
1148	Enteric pathogen reduction targets for onsite non-potable water systems: A critical evaluation. Water Research, 2023, 233, 119742.	5.3	8
1149	Simple Estimation of Effective Irradiance of UV-LED Light for Evaluation of Microbial Inactivation in Turbid Aqueous Solution. Engineering in Agriculture, Environment and Food, 2022, 15, 81-86.	0.2	0
1150	A systematic simulation of disinfection for the flow-through UV reactors with staggered ring baffles under the Eulerian framework. Journal of Water Process Engineering, 2023, 52, 103598.	2.6	1
1151	UVC-Based Air Disinfection Systems for Rapid Inactivation of SARS-CoV-2 Present in the Air. Pathogens, 2023, 12, 419.	1.2	2
1152	Environmental Factors Associated with Cryptosporidium and Giardia. Pathogens, 2023, 12, 420.	1.2	9
1153	Monitoring of water quality in selected water bodies in the Chelyabinsk, Russian Federation. Sustainable Water Resources Management, 2023, 9, .	1.0	0
1154	Conventional and Inverted Light-Emitting Diodes with 386 nm Emission Wavelength Based on Metal-Free Carbon Dots. ACS Applied Materials & Interfaces, 2023, 15, 18045-18054.	4.0	5
1155	Occurrence and Treatment of Antibiotic-Resistant Bacteria Present in Surface Water. Membranes, 2023, 13, 425.	1.4	0
1165	Postharvest sanitation of produce with conventional and novel technologies. , 2023, , 299-333.		0
1189	Emerging microbial contaminants in the ocean. , 2023, , 315-350.		0 _

#	Article	IF	CITATIONS
1191	Pharmaceutically active compounds in aqueous environment: recent developments in their fate, occurrence and elimination for efficient water purification. Environmental Monitoring and Assessment, 2023, 195, .	1.3	0
1194	Sterilization methods. , 2024, , 139-159.		0
1211	Biological Water Treatment Using Ultraviolet (UV) Light. , 2024, , 259-269.		0
1212	Antimicrobial Resistance in Used Water Treatment and Water Reuse. , 2024, , 1-16.		0
1220	Pulsed ultraviolet light for microbial inactivation and its applications for food decontamination. , 2024, , 275-298.		0
1221	Microbial contamination in municipal water: Potential sources, analytical methods and remediation strategies. , 2024, , 125-141.		0
1228	Disinfection by-Products (DBPs) and their Toxicological Risk on Human Wellbeing: A Public Health Concern. , 2024, , 109-133.		0