Paul Westerhoff

List of Publications by Year
in descending order

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381 papers	40,291 citations	3449 93 h-index	3343 190 g-index
385 all docs	385 docs citations	385 times ranked	34683 citing authors

#	Article	IF	Citations
1	Fluorescence Excitationâ"Emission Matrix Regional Integration to Quantify Spectra for Dissolved Organic Matter. Environmental Science & Technology, 2003, 37, 5701-5710.	4.6	4,542
2	Spectrofluorometric characterization of dissolved organic matter for indication of precursor organic material and aromaticity. Limnology and Oceanography, 2001, 46, 38-48.	1.6	2,239
3	Titanium Dioxide Nanoparticles in Food and Personal Care Products. Environmental Science & Technology, 2012, 46, 2242-2250.	4.6	1,747
4	Nanoparticle Silver Released into Water from Commercially Available Sock Fabrics. Environmental Science & Technology, 2008, 42, 4133-4139.	4.6	1,502
5	Fate of Endocrine-Disruptor, Pharmaceutical, and Personal Care Product Chemicals during Simulated Drinking Water Treatment Processes. Environmental Science & Technology, 2005, 39, 6649-6663.	4.6	1,300
6	Pharmaceuticals, Personal Care Products, and Endocrine Disruptors in Water: Implications for the Water Industry. Environmental Engineering Science, 2003, 20, 449-469.	0.8	760
7	Titanium Nanomaterial Removal and Release from Wastewater Treatment Plants. Environmental Science & Technology, 2009, 43, 6757-6763.	4.6	703
8	Electrocatalytic reduction of nitrate: Fundamentals to full-scale water treatment applications. Applied Catalysis B: Environmental, 2018, 236, 546-568.	10.8	647
9	Stability of commercial metal oxide nanoparticles in water. Water Research, 2008, 42, 2204-2212.	5.3	519
10	Impact of natural organic matter and divalent cations on the stability of aqueous nanoparticles. Water Research, 2009, 43, 4249-4257.	5.3	508
11	The Technology Horizon for Photocatalytic Water Treatment: Sunrise or Sunset?. Environmental Science & Technology, 2019, 53, 2937-2947.	4.6	493
12	Natural, incidental, and engineered nanomaterials and their impacts on the Earth system. Science, 2019, 363, .	6.0	479
13	Total Value of Phosphorus Recovery. Environmental Science & Technology, 2016, 50, 6606-6620.	4.6	452
14	Reactivity of natural organic matter with aqueous chlorine and bromine. Water Research, 2004, 38, 1502-1513.	5.3	445
15	Formation, precursors, control, and occurrence of nitrosamines in drinking water: A review. Water Research, 2013, 47, 4433-4450.	5.3	445
16	The Release of Nanosilver from Consumer Products Used in the Home. Journal of Environmental Quality, 2010, 39, 1875-1882.	1.0	428
17	Nanofiltration and ultrafiltration of endocrine disrupting compounds, pharmaceuticals and personal care products. Journal of Membrane Science, 2006, 270, 88-100.	4.1	408
18	Relationships between the structure of natural organic matter and its reactivity towards molecular ozone and hydroxyl radicals. Water Research, 1999, 33, 2265-2276.	5.3	398

#	Article	IF	Citations
19	Capturing the lost phosphorus. Chemosphere, 2011, 84, 846-853.	4.2	397
20	Nanoparticle Size Detection Limits by Single Particle ICP-MS for 40 Elements. Environmental Science & Technology, 2014, 48, 10291-10300.	4.6	366
21	Occurrence and removal of titanium at full scale wastewater treatment plants: implications for TiO2 nanomaterials. Journal of Environmental Monitoring, 2011, 13, 1195.	2.1	345
22	Comparison of Different Methods for the Point of Zero Charge Determination of NiO. Industrial & Engineering Chemistry Research, 2011, 50, 10017-10023.	1.8	338
23	Electron Pulse Radiolysis Determination of Hydroxyl Radical Rate Constants with Suwannee River Fulvic Acid and Other Dissolved Organic Matter Isolates. Environmental Science & Technology, 2007, 41, 4640-4646.	4.6	327
24	Occurrence of Disinfection Byproducts in United States Wastewater Treatment Plant Effluents. Environmental Science & Technology, 2009, 43, 8320-8325.	4.6	319
25	Intraparticle diffusion and adsorption of arsenate onto granular ferric hydroxide (GFH). Water Research, 2004, 38, 4002-4012.	5.3	313
26	Porous Electrospun Fibers Embedding TiO₂ for Adsorption and Photocatalytic Degradation of Water Pollutants. Environmental Science & Technology, 2018, 52, 4285-4293.	4.6	286
27	Vanadium removal by metal (hydr)oxide adsorbents. Water Research, 2007, 41, 1596-1602.	5.3	280
28	Removal of endocrine disrupting compounds and pharmaceuticals by nanofiltration and ultrafiltration membranes. Desalination, 2007, 202, 16-23.	4.0	274
29	Dissolved organic nitrogen in drinking water supplies: a review. Journal of Water Supply: Research and Technology - AQUA, 2002, 51, 415-448.	0.6	270
30	HPLC-fluorescence detection and adsorption of bisphenol A, 17Î²-estradiol, and 17Î±-ethynyl estradiol on powdered activated carbon. Water Research, 2003, 37, 3530-3537.	5.3	268
31	Antimony leaching from polyethylene terephthalate (PET) plastic used for bottled drinking water. Water Research, 2008, 42, 551-556.	5.3	260
32	Dissolved Organic Nitrogen as a Precursor for Chloroform, Dichloroacetonitrile,N-Nitrosodimethylamine, and Trichloronitromethane. Environmental Science & Technology, 2007, 41, 5485-5490.	4.6	249
33	Solubility of nanoâ€zinc oxide in environmentally and biologically important matrices. Environmental Toxicology and Chemistry, 2012, 31, 93-99.	2.2	246
34	Biosorption of nanoparticles to heterotrophic wastewater biomass. Water Research, 2010, 44, 4105-4114.	5.3	243
35	Characterization of Food-Grade Titanium Dioxide: The Presence of Nanosized Particles. Environmental Science & Technology, 2014, 48, 6391-6400.	4.6	238
36	Nitrate removal in zero-valent iron packed columns. Water Research, 2003, 37, 1818-1830.	5.3	236

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37	Silver nanoparticle characterization using single particle ICP-MS (SP-ICP-MS) and asymmetrical flow field flow fractionation ICP-MS (AF4-ICP-MS). Journal of Analytical Atomic Spectrometry, 2012, 27, 1131.	1.6	235
38	Selecting metal oxide nanomaterials for arsenic removal in fixed bed columns: From nanopowders to aggregated nanoparticle media. Journal of Hazardous Materials, 2007, 147, 265-274.	6.5	232
39	Factors affecting formation of haloacetonitriles, haloketones, chloropicrin and cyanogen halides during chloramination. Water Research, 2007, 41, 1193-1200.	5.3	229
40	Challenges in photocatalytic reduction of nitrate as a water treatment technology. Science of the Total Environment, 2017, 599-600, 1524-1551.	3.9	224
41	Impact of Wastewater Treatment Processes on Organic Carbon, Organic Nitrogen, and DBP Precursors in Effluent Organic Matter. Environmental Science & Technology, 2009, 43, 2911-2918.	4.6	220
42	Characteristics and Reactivity of Algae-Produced Dissolved Organic Carbon. Journal of Environmental Engineering, ASCE, 2005, 131, 1574-1582.	0.7	219
43	We Should Expect More out of Our Sewage Sludge. Environmental Science & Technology, 2015, 49, 8271-8276.	4.6	218
44	Development of a Group Contribution Method To Predict Aqueous Phase Hydroxyl Radical (HOâ€¢) Reaction Rate Constants. Environmental Science & Technology, 2009, 43, 6220-6227.	4.6	211
45	Characterization, Recovery Opportunities, and Valuation of Metals in Municipal Sludges from U.S. Wastewater Treatment Plants Nationwide. Environmental Science & Technology, 2015, 49, 9479-9488.	4.6	199
46	Oxidation of organics in retentates from reverse osmosis wastewater reuse facilities. Water Research, 2009, 43, 3992-3998.	5.3	197
47	Considerations of Environmentally Relevant Test Conditions for Improved Evaluation of Ecological Hazards of Engineered Nanomaterials. Environmental Science & Technology, 2016, 50, 6124-6145.	4.6	191
48	Toxicity and cellular responses of intestinal cells exposed to titanium dioxide. Cell Biology and Toxicology, 2010, 26, 225-238.	2.4	178
49	Predicting disinfection by-product formation potential in water. Water Research, 2010, 44, 3755-3762.	5.3	169
50	Fate and biological effects of silver, titanium dioxide, and C60 (fullerene) nanomaterials during simulated wastewater treatment processes. Journal of Hazardous Materials, 2012, 201-202, 16-22.	6.5	165
51	Nanobubble Technologies Offer Opportunities To Improve Water Treatment. Accounts of Chemical Research, 2019, 52, 1196-1205.	7.6	164
52	Photocatalytic nitrate reduction in water: Managing the hole scavenger and reaction by-product selectivity. Applied Catalysis B: Environmental, 2013, 136-137, 40-47.	10.8	152
53	Dissolved organic nitrogen removal during water treatment by aluminum sulfate and cationic polymer coagulation. Water Research, 2006, 40, 3767-3774.	5.3	149
54	Recovery opportunities for metals and energy from sewage sludges. Bioresource Technology, 2016, 215, 215-226.	4.8	143

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55	Role of Nanoparticle Surface Functionality in the Disruption of Model Cell Membranes. Langmuir, 2012, 28, 16318-16326.	1.6	135
56	Correlations between organic matter properties and DBP formation during chloramination. Water Research, 2008, 42, 2329-2339.	5.3	132
57	Nitrogen enriched dissolved organic matter (DOM) isolates and their affinity to form emerging disinfection by-products. Water Science and Technology, 2009, 60, 135-143.	1.2	132
58	Advanced Materials, Technologies, and Complex Systems Analyses: Emerging Opportunities to Enhance Urban Water Security. Environmental Science & Technology, 2017, 51, 10274-10281.	4.6	129
59	Dissolved Organic Nitrogen Measurement Using Dialysis Pretreatment. Environmental Science & Technology, 2005, 39, 879-884.	4.6	128
60	A Hybrid Sorbent Utilizing Nanoparticles of Hydrous Iron Oxide for Arsenic Removal from Drinking Water. Environmental Engineering Science, 2007, 24, 104-112.	0.8	127
61	Detection of arsenic in groundwater using a surface plasmon resonance sensor. Sensors and Actuators B: Chemical, 2007, 123, 82-88.	4.0	125
62	Occurrence and removal of amino acids during drinking water treatment. Journal - American Water Works Association, 2009, 101, 101-115.	0.2	125
63	Reactivity of Chlorine Radicals (Cl^{â€¢} and Cl₂^{â€¢â€“}) with Dissolved Organic Matter and the Formation of Chlorinated Byproducts. Environmental Science & Technology, 2021, 55, 689-699.	4.6	124
64	Arsenate Removal by Nanostructured ZrO₂Spheres. Environmental Science & Technology, 2008, 42, 3786-3790.	4.6	123
65	Assessment of De Facto Wastewater Reuse across the U.S.: Trends between 1980 and 2008. Environmental Science & Technology, 2013, 47, 11099-11105.	4.6	123
66	Biosorption of humic and fulvic acids to live activated sludge biomass. Water Research, 2003, 37, 2301-2310.	5.3	121
67	Detection of fullerenes (C60 and C70) in commercial cosmetics. Environmental Pollution, 2011, 159, 1334-1342.	3.7	119
68	Guiding the design space for nanotechnology to advance sustainable crop production. Nature Nanotechnology, 2020, 15, 801-810.	15.6	119
69	Biological accumulation of engineered nanomaterials: a review of current knowledge. Environmental Sciences: Processes and Impacts, 2013, 15, 103-122.	1.7	118
70	Measurement of Nanomaterials in Foods: Integrative Consideration of Challenges and Future Prospects. ACS Nano, 2014, 8, 3128-3135.	7.3	118
71	Spatial and Temporal Variation in De Facto Wastewater Reuse in Drinking Water Systems across the U.S.A.. Environmental Science & Technology, 2015, 49, 982-989.	4.6	118
72	Low risk posed by engineered and incidental nanoparticles in drinking water. Nature Nanotechnology, 2018, 13, 661-669.	15.6	118

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73	Exploring the Mechanisms of Selectivity for Environmentally Significant Oxo-Anion Removal during Water Treatment: A Review of Common Competing Oxo-Anions and Tools for Quantifying Selective Adsorption. Environmental Science & Technology, 2020, 54, 9769-9790.	4.6	117
74	Seasonal occurrence and degradation of 2-methylisoborneol in water supply reservoirs. Water Research, 2005, 39, 4899-4912.	5.3	114
75	Transformations in dissolved organic carbon through constructed wetlands. Water Research, 2000, 34, 1897-1911.	5.3	113
76	Reduction of Nitrate, Bromate, and Chlorate by Zero Valent Iron (Fe0). Journal of Environmental Engineering, ASCE, 2003, 129, 10-16.	0.7	113
77	Oxidation of bisphenol A, 17?-estradiol, and 17?-ethynyl estradiol and byproduct estrogenicity. Environmental Toxicology, 2004, 19, 257-264.	2.1	112
78	Multiple Roles of Dissolved Organic Matter in Advanced Oxidation Processes. Environmental Science & Technology, 2022, 56, 11111-11131.	4.6	112
79	Concentrations and characteristics of organic carbon in surface water in Arizona: influence of urbanization. Journal of Hydrology, 2000, 236, 202-222.	2.3	111
80	Fluorescence Analysis of a Standard Fulvic Acid and Tertiary Treated Wastewater. Journal of Environmental Quality, 2001, 30, 2037-2046.	1.0	111
81	Analysis of gold nanoparticle mixtures: a comparison of hydrodynamic chromatography (HDC) and asymmetrical flow field-flow fractionation (AF4) coupled to ICP-MS. Journal of Analytical Atomic Spectrometry, 2012, 27, 1532.	1.6	111
82	Catalytic Converters for Water Treatment. Accounts of Chemical Research, 2019, 52, 906-915.	7.6	111
83	Disparities between experimental and environmental conditions: Research steps toward making electrochemical water treatment a reality. Current Opinion in Electrochemistry, 2020, 22, 9-16.	2.5	108
84	High levels of endocrine pollutants in US streams during low flow due to insufficient wastewaterÂdilution. Nature Geoscience, 2017, 10, 587-591.	5.4	106
85	Critical Review of Advances in Engineering Nanomaterial Adsorbents for Metal Removal and Recovery from Water: Mechanism Identification and Engineering Design. Environmental Science & Technology, 2021, 55, 4287-4304.	4.6	106
86	Adsorption of N-Nitrosodimethylamine Precursors by Powdered and Granular Activated Carbon. Environmental Science & Technology, 2012, 46, 12630-12639.	4.6	104
87	Nanomaterial Removal and Transformation During Biological Wastewater Treatment. Environmental Engineering Science, 2013, 30, 109-117.	0.8	104
88	Quantification of Carbon Nanotubes in Environmental Matrices: Current Capabilities, Case Studies, and Future Prospects. Environmental Science & Technology, 2016, 50, 4587-4605.	4.6	104
89	Stability and Removal of Water Soluble CdTe Quantum Dots in Water. Environmental Science & Technology, 2008, 42, 321-325.	4.6	102
90	Effect of synthesis conditions on nano-iron (hydr)oxide impregnated granulated activated carbon. Chemical Engineering Journal, 2009, 146, 237-243.	6.6	102

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91	Overcoming implementation barriers for nanotechnology in drinking water treatment. Environmental Science: Nano, 2016, 3, 1241-1253.	2.2	101
92	Rapid Small-Scale Column Tests for Arsenate Removal in Iron Oxide Packed Bed Columns. Journal of Environmental Engineering, ASCE, 2005, 131, 262-271.	0.7	100
93	Compact light-emitting diode optical fiber immobilized TiO2 reactor for photocatalytic water treatment. Science of the Total Environment, 2018, 613-614, 1331-1338.	3.9	99
94	Earth-abundant elements a sustainable solution for electrocatalytic reduction of nitrate. Applied Catalysis B: Environmental, 2021, 281, 119465.	10.8	98
95	Electrical energy per order and current efficiency for electrochemical oxidation of p-chlorobenzoic acid with boron-doped diamond anode. Chemosphere, 2017, 188, 304-311.	4.2	97
96	Food grade titanium dioxide disrupts intestinal brush border microvilli in vitro independent of sedimentation. Cell Biology and Toxicology, 2014, 30, 169-188.	2.4	96
97	Fabrication of uniform size titanium oxide nanotubes: Impact of current density and solution conditions. Scripta Materialia, 2007, 56, 373-376.	2.6	95
98	Quantification of C₆₀ fullerene concentrations in water. Environmental Toxicology and Chemistry, 2008, 27, 1852-1859.	2.2	95
99	Overcoming challenges in analysis of polydisperse metal-containing nanoparticles by single particle inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2012, 27, 1093.	1.6	95
100	Searching for Global Descriptors of Engineered Nanomaterial Fate and Transport in the Environment. Accounts of Chemical Research, 2013, 46, 844-853.	7.6	93
101	Disruption of model cell membranes by carbon nanotubes. Carbon, 2013, 60, 67-75.	5.4	92
102	Formation of organic chloramines during water disinfection â€“ chlorination versus chloramination. Water Research, 2009, 43, 2233-2239.	5.3	91
103	Removal of Nitrate from Groundwater by Cyanobacteria: Quantitative Assessment of Factors Influencing Nitrate Uptake. Applied and Environmental Microbiology, 2000, 66, 133-139.	1.4	89
104	Efficient Photocatalytic PFOA Degradation over Boron Nitride. Environmental Science and Technology Letters, 2020, 7, 613-619.	3.9	89
105	Potential Environmental Impacts and Antimicrobial Efficacy of Silver- and Nanosilver-Containing Textiles. Environmental Science & Technology, 2016, 50, 4018-4026.	4.6	88
106	Removal of 2-methylisoborneol and geosmin in surface water treatment plants in Arizona. Journal of Water Supply: Research and Technology - AQUA, 2002, 51, 183-198.	0.6	86
107	Nitrate Reduction in Water Using Commercial Titanium Dioxide Photocatalysts (P25, P90, and Hombikat) Tj ETQq1 1 0.784314 rgBT	0.7	86
108	Photocatalytic reduction of nitrate using titanium dioxide for regeneration of ion exchange brine. Water Research, 2013, 47, 1299-1307.	5.3	85

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109	Biological and Physical Attenuation of Endocrine Disruptors and Pharmaceuticals: Implications for Water Reuse. Ground Water Monitoring and Remediation, 2004, 24, 108-118.	0.6	84
110	UV-activated persulfate oxidation and regeneration of NOM-Saturated granular activated carbon. Water Research, 2015, 73, 304-310.	5.3	84
111	Granular Activated Carbon Treatment May Result in Higher Predicted Genotoxicity in the Presence of Bromide. Environmental Science & Technology, 2016, 50, 9583-9591.	4.6	83
112	Measurement Methods to Detect, Characterize, and Quantify Engineered Nanomaterials in Foods. Comprehensive Reviews in Food Science and Food Safety, 2014, 13, 693-704.	5.9	82
113	Fate of effluent organic matter and DBP precursors in an effluent-dominated river: A case study of wastewater impact on downstream water quality. Water Research, 2009, 43, 1755-1765.	5.3	81
114	Techno-economic analysis to identify key innovations required for electrochemical oxidation as point-of-use treatment systems. Electrochimica Acta, 2020, 338, 135874.	2.6	81
115	Novel Visible Light-Driven Photocatalytic Chlorine Activation Process for Carbamazepine Degradation in Drinking Water. Environmental Science & Technology, 2020, 54, 11584-11593.	4.6	79
116	Bromate minimization during ozonation. Journal - American Water Works Association, 1997, 89, 69-78.	0.2	78
117	Solar photolysis kinetics of disinfection byproducts. Water Research, 2010, 44, 3401-3409.	5.3	77
118	Detection of Carbon Nanotubes in Environmental Matrices Using Programmed Thermal Analysis. Environmental Science & Technology, 2012, 46, 12246-12253.	4.6	76
119	Nanoparticle Silver Released into Water from Commercially Available Sock Fabrics. Environmental Science & Technology, 2008, 42, 7025-7026.	4.6	75
120	Fate of Sucralose During Wastewater Treatment. Environmental Engineering Science, 2011, 28, 325-331.	0.8	75
121	Empirical modeling of bromate formation during ozonation of bromide-containing waters. Water Research, 1996, 30, 1161-1168.	5.3	74
122	Removal of 17Î² Estradiol and Fluoranthene by Nanofiltration and Ultrafiltration. Journal of Environmental Engineering, ASCE, 2004, 130, 1460-1467.	0.7	74
123	Opportunities for nanotechnology to enhance electrochemical treatment of pollutants in potable water and industrial wastewater â€“ a perspective. Environmental Science: Nano, 2020, 7, 2178-2194.	2.2	74
124	Distribution of Functionalized Gold Nanoparticles between Water and Lipid Bilayers as Model Cell Membranes. Environmental Science & Technology, 2012, 46, 1869-1876.	4.6	73
125	Alternative strategies for removing bromate. Journal - American Water Works Association, 1994, 86, 81-96.	0.2	72
126	Nanomaterial Transformation and Association with Fresh and Freeze-Dried Wastewater Activated Sludge: Implications for Testing Protocol and Environmental Fate. Environmental Science & Technology, 2012, 46, 7046-7053.	4.6	70

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127	Methadone Contributes to N-Nitrosodimethylamine Formation in Surface Waters and Wastewaters during Chloramination. Environmental Science and Technology Letters, 2015, 2, 151-157.	3.9	70
128	Occurrence and removal of dissolved organic nitrogen in US water treatment plants. Journal - American Water Works Association, 2006, 98, 102-110.	0.2	69
129	Metal and nanoparticle occurrence in biosolid-amended soils. Science of the Total Environment, 2014, 485-486, 441-449.	3.9	68
130	Formation and control of emerging Câ€•and Nâ€ÐBPs in drinking water. Journal - American Water Works Association, 2012, 104, E582.	0.2	66
131	Simultaneous removal of perchlorate and arsenate by ion-exchange media modified with nanostructured iron (hydr)oxide. Journal of Hazardous Materials, 2008, 152, 397-406.	6.5	65
132	Quantification of fullerene aggregate nC60 in wastewater by high-performance liquid chromatography with UVâ€“vis spectroscopic and mass spectrometric detection. Chemosphere, 2010, 80, 334-339.	4.2	65
133	Zebrafish embryo toxicity of 15 chlorinated, brominated, and iodinated disinfection by-products. Journal of Environmental Sciences, 2017, 58, 302-310.	3.2	65
134	In situremediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. Environmental Science: Nano, 2019, 6, 1283-1302.	2.2	65
135	NOM's role in bromine and bromate formation during ozonation. Journal - American Water Works Association, 1998, 90, 82-94.	0.2	64
136	Biological Response to Nano-Scale Titanium Dioxide (TiO₂): Role of Particle Dose, Shape, and Retention. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2013, 76, 953-972.	1.1	64
137	Instillation versus Inhalation of Multiwalled Carbon Nanotubes: Exposure-Related Health Effects, Clearance, and the Role of Particle Characteristics. ACS Nano, 2014, 8, 8911-8931.	7.3	64
138	Laser-Engineered Graphene on Wood Enables Efficient Antibacterial, Anti-Salt-Fouling, and Lipophilic-Matter-Rejection Solar Evaporation. ACS Applied Materials & Interfaces, 2020, 12, 51864-51872.	4.0	64
139	Applications of Ozone Decomposition Models. Ozone: Science and Engineering, 1997, 19, 55-73.	1.4	63
140	Kinetics of MIB and Geosmin Oxidation during Ozonation. Ozone: Science and Engineering, 2006, 28, 277-286.	1.4	63
141	Growth parameters of microalgae tolerant to high levels of carbon dioxide in batch and continuousâ€flow photobioreactors. Environmental Technology (United Kingdom), 2010, 31, 523-532.	1.2	63
142	Comparison of colorimetric and membrane introduction mass spectrometry techniques for chloramine analysis. Water Research, 2007, 41, 3097-3102.	5.3	62
143	Physical, chemical, and in vitro toxicological characterization of nanoparticles in chemical mechanical planarization suspensions used in the semiconductor industry: towards environmental health and safety assessments. Environmental Science: Nano, 2015, 2, 227-244.	2.2	62
144	Chlorite formation during ClO2 oxidation of model compounds having various functional groups and humic substances. Water Research, 2019, 159, 348-357.	5.3	62

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145	Review of Advances in Engineering Nanomaterial Adsorbents for Metal Removal and Recovery from Water: Synthesis and Microstructure Impacts. ACS ES&T Engineering, 2021, 1, 623-661.	3.7	61
146	Critical Review of Thermal Decomposition of Per- and Polyfluoroalkyl Substances: Mechanisms and Implications for Thermal Treatment Processes. Environmental Science & Technology, 2022, 56, 5355-5370.	4.6	61
147	Functionalized nanoparticle interactions with polymeric membranes. Journal of Hazardous Materials, 2012, 211-212, 288-295.	6.5	59
148	Occurrence and treatment of wastewater-derived organic nitrogen. Water Research, 2011, 45, 4641-4650.	5.3	58
149	Extraction and Quantification of Carbon Nanotubes in Biological Matrices with Application to Rat Lung Tissue. ACS Nano, 2013, 7, 8849-8856.	7.3	58
150	Ozoneâ€induced changes in natural organic matter (nom) structure. Ozone: Science and Engineering, 1999, 21, 551-570.	1.4	57
151	Dissolved organic matter in Arizona reservoirs: assessment of carbonaceous sources. Organic Geochemistry, 2004, 35, 831-843.	0.9	57
152	Comparative analysis of the photocatalytic reduction of drinking water oxoanions using titanium dioxide. Water Research, 2016, 104, 11-19.	5.3	55
153	Multi-day diurnal measurements of Ti-containing nanoparticle and organic sunscreen chemical release during recreational use of a natural surface water. Environmental Science: Nano, 2017, 4, 69-77.	2.2	55
154	Wastewater discharge impact on drinking water sources along the Yangtze River (China). Science of the Total Environment, 2017, 599-600, 1399-1407.	3.9	54
155	Nitrosamine, Dimethylnitramine, and Chloropicrin Formation during Strong Base Anion-Exchange Treatment. Environmental Science & Technology, 2009, 43, 466-472.	4.6	53
156	Comparing actual de facto wastewater reuse and its public acceptability: A three city case study. Sustainable Cities and Society, 2016, 27, 467-474.	5.1	53
157	Influence of ultraviolet wavelengths on kinetics and selectivity for N-gases during TiO2 photocatalytic reduction of nitrate. Applied Catalysis B: Environmental, 2018, 220, 597-606.	10.8	53
158	Character of Organic Matter in Soil-Aquifer Treatment Systems. Journal of Environmental Engineering, ASCE, 2006, 132, 1447-1458.	0.7	52
159	The effect of carbon type on arsenic and trichloroethylene removal capabilities of iron (hydr)oxide nanoparticle-impregnated granulated activated carbons. Journal of Hazardous Materials, 2010, 183, 381-388.	6.5	52
160	Trade-offs in ecosystem impacts from nanomaterial versus organic chemical ultraviolet filters in sunscreens. Water Research, 2018, 139, 281-290.	5.3	52
161	Roles and Knowledge Gaps of Point-of-Use Technologies for Mitigating Health Risks from Disinfection Byproducts in Tap Water: A Critical Review. Water Research, 2021, 200, 117265.	5.3	51
162	Distribution of Fullerene Nanomaterials between Water and Model Biological Membranes. Langmuir, 2011, 27, 11899-11905.	1.6	49

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163	Survey of food-grade silica dioxide nanomaterial occurrence, characterization, human gut impacts and fate across its lifecycle. Science of the Total Environment, 2016, 565, 902-912.	3.9	49
164	Removing perâ€•and polyfluoroalkyl substances from groundwaters using activated carbon and ion exchange resin packed columns. AWWA Water Science, 2020, 2, e1172.	1.0	49
165	Dissolved organic carbon transformations during laboratory-scale groundwater recharge using lagoon-treated wastewater. Waste Management, 2000, 20, 75-83.	3.7	47
166	An approach for evaluating nanomaterials for use as packed bed adsorber media: A case study of arsenate removal by titanate nanofibers. Journal of Hazardous Materials, 2008, 156, 604-611.	6.5	47
167	Charge characteristics (surface charge vs. zeta potential) of membrane surfaces to assess the salt rejection behavior of nanofiltration membranes. Separation and Purification Technology, 2020, 247, 117026.	3.9	47
168	User-oriented batch reactor solutions to the homogeneous surface diffusion model for different activated carbon dosages. Water Research, 2009, 43, 1859-1866.	5.3	46
169	Characterization and Liquid Chromatography-MS/MS Based Quantification of Hydroxylated Fullerenes. Analytical Chemistry, 2011, 83, 1777-1783.	3.2	46
170	Octanol-water distribution of engineered nanomaterials. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 636-647.	0.9	45
171	Removal of arsenate and 17Î±-ethinyl estradiol (EE2) by iron (hydr)oxide modified activated carbon fibers. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2009, 44, 354-361.	0.9	44
172	Strategies for quantifying C60 fullerenes in environmental and biological samples and implications for studies in environmental health and ecotoxicology. TrAC - Trends in Analytical Chemistry, 2011, 30, 44-57.	5.8	44
173	Detection and Sizing of Ti-Containing Particles in Recreational Waters Using Single Particle ICP-MS. Bulletin of Environmental Contamination and Toxicology, 2018, 100, 120-126.	1.3	44
174	Molecular Ozone and Radical Pathways of Bromate Formation during Ozonation. Journal of Environmental Engineering, ASCE, 1998, 124, 456-462.	0.7	43
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