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	Comparing the morphologies and adsorption behavior of electrospun polystyrene composite fibers with 0D fullerenes, 1D multiwalled carbon nanotubes and 2D graphene oxides. Chemical Engineering Journal Advances, 2022, 9, 100199.	2.4	10
2	Boron-doped diamond electrodes degrade short- and long-chain per- and polyfluorinated alkyl substances in real industrial wastewaters. Journal of Environmental Chemical Engineering, 2022, 10, 107192.	3.3	24
3	Determining nanoform similarity via assessment of surface reactivity by abiotic and in vitro assays. NanoImpact, 2022, 26, 100390.	2.4	10
4	Kinetics and Transformations of Diverse Dissolved Organic Matter Fractions with Sulfate Radicals. Environmental Science & Technology, 2022, 56, 4457-4466.	4.6	38
5	Bromine Radical (Br^{â€¢} and Br₂^{â€¢â€“}) Reactivity with Dissolved Organic Matter and Brominated Organic Byproduct Formation. Environmental Science & Technology, 2022, 56, 5189-5199.	4.6	33
6	Seasonal atmospheric water harvesting yield and water quality using electric-powered desiccant and compressor dehumidifiers. Science of the Total Environment, 2022, 825, 153966.	3.9	12
7	Biodegradation of petroleum hydrocarbons in a weathered, unsaturated soil is inhibited by peroxide oxidants. Journal of Hazardous Materials, 2022, 433, 128770.	6.5	15
8	Molecular Engineering of 2D Nanomaterial Fieldâ€Effect Transistor Sensors: Fundamentals and Translation across the Innovation Spectrum. Advanced Materials, 2022, 34, e2106975.	11.1	11
9	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
10	Water insecurity in the Global North: A review of experiences in U.S. colonias communities along the Mexico border. Wiley Interdisciplinary Reviews: Water, 2022, 9, .	2.8	16
11	Impacts of graphitic nanofertilizers on nitrogen cycling in a sandy, agricultural soil. Journal of Nanoparticle Research, 2022, 24, .	0.8	4
12	Modular, adaptive, and decentralised water infrastructure: promises and perils for water justice. Current Opinion in Environmental Sustainability, 2022, 57, 101202.	3.1	18
13	Lithium occurrence in drinking water sources of the United States. Chemosphere, 2022, 305, 135458.	4.2	9
14	Titanium oxide improves boron nitride photocatalytic degradation of perfluorooctanoic acid. Chemical Engineering Journal, 2022, 448, 137735.	6.6	35
15	Multiple Roles of Dissolved Organic Matter in Advanced Oxidation Processes. Environmental Science & Technology, 2022, 56, 11111-11131.	4.6	112
16	Earth-abundant elements a sustainable solution for electrocatalytic reduction of nitrate. Applied Catalysis B: Environmental, 2021, 281, 119465.	10.8	98
17	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
18	Photoelectrocatalytic degradation of 2,4-dichlorophenol in a TiO2 nanotube-coated disc flow reactor. Chemosphere, 2021, 268, 129320.	4.2	22

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19	Evanescent wave interactions with nanoparticles on optical fiber modulate side emission of germicidal ultraviolet light. Environmental Science: Nano, 2021, 8, 2441-2452.	2.2	10
20	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
21	Dataâ€mining methods predict chlorine residuals in premise plumbing using lowâ€cost sensors. AWWA Water Science, 2021, 3, .	1.0	8
22	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
23	Survey of industrial perceptions for the use of nanomaterials for in-home drinking water purification devices. NanoImpact, 2021, 22, 100320.	2.4	13
24	Formation and control of C- and N-DBPs during disinfection of filter backwash and sedimentation sludge water in drinking water treatment. Water Research, 2021, 194, 116964.	5.3	36
25	Physical, Chemical, and Microbiological Water Quality Variation between City and Building and within Multistory Building. ACS ES&T Water, 2021, 1, 1369-1379.	2.3	9
26	Facile Surface Modification of Polyamide Membranes Using UV-Photooxidation Improves Permeability and Reduces Natural Organic Matter Fouling. Environmental Science & Technology, 2021, 55, 6984-6994.	4.6	25
27	Bridging international approaches on nanoEHS. Nature Nanotechnology, 2021, 16, 608-611.	15.6	6
28	Green Synthesis of Flower-Shaped Copper Oxide and Nickel Oxide Nanoparticles via Capparis decidua Leaf Extract for Synergic Adsorption-Photocatalytic Degradation of Pesticides. Catalysts, 2021, 11, 806.	1.6	43
29	Unified Metallic Catalyst Aging Strategy and Implications for Water Treatment. Environmental Science & Technology, 2021, 55, 11284-11293.	4.6	3
30	Superparamagnetic nanoadsorbents for the removal of trace As(III) in drinking water. Environmental Advances, 2021, 4, 100046.	2.2	9
31	Evanescent waves modulate energy efficiency of photocatalysis within TiO2 coated optical fibers illuminated using LEDs. Nature Communications, 2021, 12, 4101.	5.8	28
32	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
33	ES&Tâ€™s Best Papers of 2020. Environmental Science & Technology, 2021, 55, 11489-11490.	4.6	0
34	Quantifying Nanoparticle Associated Ti, Ce, Au, and Pd Occurrence in 35 U.S. Surface Waters. ACS ES&T Water, 2021, 1, 2242-2250.	2.3	7
35	Managing and treating perâ€and polyfluoroalkyl substances (PFAS) in membrane concentrates. AWWA Water Science, 2021, 3, 1-23.	1.0	28
36	Utilizing the broad electromagnetic spectrum and unique nanoscale properties for chemical-free water treatment. Current Opinion in Chemical Engineering, 2021, 33, 100709.	3.8	3

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37	Contribution of wastewater- versus non-wastewater-derived sources to haloacetonitriles formation potential in a wastewater-impacted river. Science of the Total Environment, 2021, 792, 148355.	3.9	3
38	Value Propositions Provide a Roadmap for Convergent Research on Environmental Topics. Environmental Science & Technology, 2021, 55, 13579-13582.	4.6	6
39	Repeatable use assessment of silicon carbide as permanent susceptor bed in ex situ microwave remediation of petroleum-impacted soils. Case Studies in Chemical and Environmental Engineering, 2021, 4, 100116.	2.9	3
40	Welcome to the Future: Introducing ES&Tâ€™s Inaugural Early Career Editorial Advisory Board. Environmental Science & Technology, 2021, 55, 811-812.	4.6	0
41	Graphite nanoparticle addition to fertilizers reduces nitrate leaching in growth of lettuce (Lactuca) Tj ETQq1 1 0.784314 rgBT /Overlo	2.2	18
42	Evaluating performance, degradation, and release behavior of a nanoform pigmented coating after natural and accelerated weathering. NanoImpact, 2020, 17, 100199.	2.4	6
43	Haloacetonitriles and haloacetamides precursors in filter backwash and sedimentation sludge water during drinking water treatment. Water Research, 2020, 186, 116346.	5.3	20
44	Doing nano-enabled water treatment right: sustainability considerations from design and research through development and implementation. Environmental Science: Nano, 2020, 7, 3255-3278.	2.2	13
45	Total organic halogen (TOX) species formation at different locations in drinking water distribution systems. Environmental Science: Water Research and Technology, 2020, 6, 2542-2552.	1.2	8
46	Geospatial Climatic Factors Influence Water Production of Solar Desiccant Driven Atmospheric Water Capture Devices. Environmental Science & Technology, 2020, 54, 8310-8322.	4.6	18
47	Germicidal glowsticks: Side-emitting optical fibers inhibit Pseudomonas aeruginosa and Escherichia coli on surfaces. Water Research, 2020, 184, 116191.	5.3	13
48	Sunlight-driven atmospheric water capture capacity is enhanced by nano-enabled photothermal desiccants. Environmental Science: Nano, 2020, 7, 2584-2594.	2.2	22
49	The Nature and Oxidative Reactivity of Urban Magnetic Nanoparticle Dust Provide New Insights into Potential Neurotoxicity Studies. Environmental Science & Technology, 2020, 54, 10599-10609.	4.6	7
50	Novel Visible Light-Driven Photocatalytic Chlorine Activation Process for Carbamazepine Degradation in Drinking Water. Environmental Science & Technology, 2020, 54, 11584-11593.	4.6	79
51	Magnetically recoverable carbon-coated iron carbide with arsenic adsorptive removal properties. SN Applied Sciences, 2020, 2, 1.	1.5	6
52	Why Was My Paper Rejected without Review?. Environmental Science & Technology, 2020, 54, 11641-11644.	4.6	10
53	Stannous Chloride Reductive Treatment and Kinetics Using Hexavalent Chromium in Water Supplies. Environmental Engineering Science, 2020, 37, 649-657.	0.8	3
54	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

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55	Tracking copper, chlorine, and occupancy in a new, multi-story, institutional green building. Environmental Science: Water Research and Technology, 2020, 6, 1672-1680.	1.2	14
56	Efficient Photocatalytic PFOA Degradation over Boron Nitride. Environmental Science and Technology Letters, 2020, 7, 613-619.	3.9	89
57	Guiding the design space for nanotechnology to advance sustainable crop production. Nature Nanotechnology, 2020, 15, 801-810.	15.6	119
58	Making Waves. Environmental Science & Technology, 2020, 54, 6449-6450.	4.6	7
59	Purification and removal of the low molecular weight fraction of polyDADMAC reduces N-nitrosodimethylamine formation during water treatment. Environmental Science: Water Research and Technology, 2020, 6, 2492-2498.	1.2	3
60	Low energy electrochemical oxidation efficiently oxidizes a common textile dye used in Thailand. Journal of Electroanalytical Chemistry, 2020, 871, 114301.	1.9	13
61	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
62	Portable point-of-use photoelectrocatalytic device provides rapid water disinfection. Science of the Total Environment, 2020, 737, 140044.	3.9	37
63	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
64	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
65	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
66	Increasing net water recovery of reverse osmosis with membrane distillation using natural thermal differentials between brine and co-located water sources: Impacts at large reclamation facilities. Water Research, 2020, 184, 116134.	5.3	28
67	Adsorption of Arsenic Ions Transforms Surface Reactivity of Engineered Cerium Oxide Nanoparticles. Environmental Science & Technology, 2020, 54, 9437-9444.	4.6	25
68	Germicidal Ultraviolet Light Does Not Damage or Impede Performance of N95 Masks Upon Multiple Uses. Environmental Science and Technology Letters, 2020, 7, 600-605.	3.9	25
69	Quantifying temporal and geographic variation in sunscreen and mineralogic titanium-containing nanoparticles in three recreational rivers. Science of the Total Environment, 2020, 743, 140845.	3.9	18
70	Evolving Today to Best Serve Tomorrow. Environmental Science & Technology, 2020, 54, 5923-5924.	4.6	6
71	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
72	Public perceptions for the use of nanomaterials for in-home drinking water purification devices. NanoImpact, 2020, 18, 100220.	2.4	15

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73	Magnetic nanoparticle recovery device (MagNERD) enables application of iron oxide nanoparticles for water treatment. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	39
74	The complex puzzle of dietary silver nanoparticles, mucus and microbiota in the gut. Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2020, 23, 69-89.	2.9	19
75	Materials matter in phosphorus sustainability. MRS Bulletin, 2020, 45, 7-10.	1.7	10
76	Aerosol impaction-driven assembly produces evenly dispersed nanoparticle coating on polymeric water treatment membranes. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	4
77	Flame retardant performance of carbonaceous nanomaterials on polyester fabric. Polymer Testing, 2020, 86, 106497.	2.3	19
78	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
79	Intrinsic pK_a of Nanofiltration Membrane Surfaces to Assess Fouling and Cleaning Behaviors Induced by Foulantâ€“Membrane Electrostatic Interactions. Environmental Science & Technology, 2020, 54, 7706-7714.	4.6	22
80	Evaluating performance, degradation, and release behavior of a nanoform pigmented coating after natural and accelerated weathering. NanoImpact, 2020, 17, .	2.4	0
81	Nanoparticle and Transparent Polymer Coatings Enable UV-C Side-Emission Optical Fibers for Inactivation of Escherichia coli in Water. Environmental Science & Technology, 2019, 53, 10880-10887.	4.6	19
82	Drinking water vulnerability in less-populated communities in Texas to wastewater-derived contaminants. Npj Clean Water, 2019, 2, .	3.1	8
83	Multicycle Ozonation+Bioremediation for Soils Containing Residual Petroleum. Environmental Engineering Science, 2019, 36, 1443-1451.	0.8	10
84	Interdisciplinary collaborations to address the uncertainty problem in life cycle assessment of nano-enabled products: case of the quantum dot-enabled display. Environmental Science: Nano, 2019, 6, 3256-3267.	2.2	15
85	Effects of pH, soluble organic materials, and hydraulic loading rates on orthophosphate recovery from organic wastes using ion exchange. Journal of Cleaner Production, 2019, 217, 127-133.	4.6	6
86	Sustaining Water Resources: Environmental and Economic Impact. ACS Sustainable Chemistry and Engineering, 2019, 7, 2879-2888.	3.2	32
87	Yttrium Residues in MWCNT Enable Assessment of MWCNT Removal during Wastewater Treatment. Nanomaterials, 2019, 9, 670.	1.9	7
88	Ferric reducing reactivity assay with theoretical kinetic modeling uncovers electron transfer schemes of metallic-nanoparticle-mediated redox in water solutions. Environmental Science: Nano, 2019, 6, 1791-1798.	2.2	6
89	Emerging Water Technologies: Global Pressures Force Innovation toward Drinking Water Availability and Quality. Accounts of Chemical Research, 2019, 52, 1146-1147.	7.6	13
90	Historical and Future Needs for Geospatial Iodide Occurrence in Surface and Groundwaters of the United States of America. Environmental Science and Technology Letters, 2019, 6, 379-388.	3.9	24

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91	Chlorite formation during ClO2 oxidation of model compounds having various functional groups and humic substances. Water Research, 2019, 159, 348-357.	5.3	62
92	Foodâ€“Energyâ€“Water Analysis at Spatial Scales for Districts in the Yangtze River Basin (China). Environmental Engineering Science, 2019, 36, 789-797.	0.8	7
93	Copper release and transformation following natural weathering of nano-enabled pressure-treated lumber. Science of the Total Environment, 2019, 668, 234-244.	3.9	12
94	Integrated Assessment of Wastewater Reuse, Exposure Risk, and Fish Endocrine Disruption in the Shenandoah River Watershed. Environmental Science & Technology, 2019, 53, 3429-3440.	4.6	27
95	Natural, incidental, and engineered nanomaterials and their impacts on the Earth system. Science, 2019, 363, .	6.0	479
96	â€œNanoblocksâ€• A Playful Method To Learn about Nanotechnology-Enabled Water and Air Treatment. Journal of Chemical Education, 2019, 96, 708-713.	1.1	4
97	Nanobubble Technologies Offer Opportunities To Improve Water Treatment. Accounts of Chemical Research, 2019, 52, 1196-1205.	7.6	164
98	In situremediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. Environmental Science: Nano, 2019, 6, 1283-1302.	2.2	65
99	Catalytic Converters for Water Treatment. Accounts of Chemical Research, 2019, 52, 906-915.	7.6	111
100	TiO2-carbon nanoporous composites prepared via ZnO nanoparticle-templated carbonization of glucose adsorb and photodegrade organic pollutants in water. Journal of Water Process Engineering, 2019, 28, 331-338.	2.6	4
101	High-throughput analysis of photocatalytic reactivity of differing TiO2 formulations using 96-well microplate reactors. Chemosphere, 2019, 223, 275-284.	4.2	6
102	Scaling up Photoelectrocatalytic Reactors: A TiO2 Nanotube-Coated Disc Compound Reactor Effectively Degrades Acetaminophen. Water (Switzerland), 2019, 11, 2522.	1.2	19
103	Lower molecular weight fractions of PolyDADMAC coagulants disproportionately contribute to N-nitrosodimethylamine formation during water treatment. Water Research, 2019, 150, 466-472.	5.3	19
104	The Technology Horizon for Photocatalytic Water Treatment: Sunrise or Sunset?. Environmental Science & Technology, 2019, 53, 2937-2947.	4.6	493
105	Chlorine addition prior to granular activated carbon contactors improves trihalomethane control. AWWA Water Science, 2019, 1, e1119.	1.0	6
106	Particle-modified polymeric cladding on glass optical fibers enhances radial light scattering. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1623.	0.9	11
107	Developing and interpreting aqueous functional assays for comparative property-activity relationships of different nanoparticles. Science of the Total Environment, 2018, 628-629, 1609-1616.	3.9	6
108	Life cycle considerations of nano-enabled agrochemicals: are today's tools up to the task?. Environmental Science: Nano, 2018, 5, 1057-1069.	2.2	26

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109	Removal of Bromide from Surface Water: Comparison Between Silver-Impregnated Graphene Oxide and Silver-Impregnated Powdered Activated Carbon. Environmental Engineering Science, 2018, 35, 988-995.	0.8	22
110	Modeled De Facto Reuse and Contaminants of Emerging Concern in Drinking Water Source Waters. Journal - American Water Works Association, 2018, 110, E2.	0.2	21
111	Size exclusion chromatography with online ICP-MS enables molecular weight fractionation of dissolved phosphorus species in water samples. Water Research, 2018, 133, 264-271.	5.3	16
112	Quantification of carbon nanotubes in polymer composites. Analytical Methods, 2018, 10, 1032-1037.	1.3	3
113	Impacts of moisture content during ozonation of soils containing residual petroleum. Journal of Hazardous Materials, 2018, 344, 1101-1108.	6.5	12
114	Photon flux influence on photoelectrochemical water treatment. Electrochemistry Communications, 2018, 87, 63-65.	2.3	41
115	Trade-offs in ecosystem impacts from nanomaterial versus organic chemical ultraviolet filters in sunscreens. Water Research, 2018, 139, 281-290.	5.3	52
116	Porous Electrospun Fibers Embedding TiO₂ for Adsorption and Photocatalytic Degradation of Water Pollutants. Environmental Science & Technology, 2018, 52, 4285-4293.	4.6	286
117	Comparison of hydrophobic and amphiphilic fractions of dissolved organic matter from a water reservoir by Fourier transform ion cyclotron resonance mass spectrometry. Journal of Soils and Sediments, 2018, 18, 1265-1278.	1.5	11
118	Coagulation behaviors of new covalently bound hybrid coagulants (CBHyC) in surface water treatment. Separation and Purification Technology, 2018, 192, 322-328.	3.9	19
119	Human health tradeoffs in wellhead drinking water treatment: Comparing exposure reduction to embedded life cycle risks. Water Research, 2018, 128, 246-254.	5.3	26
120	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
121	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
122	Optical fiber-mediated photosynthesis for enhanced subsurface oxygen delivery. Chemosphere, 2018, 195, 742-748.	4.2	8
123	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
124	In vitrocharacterization of reactive oxygen species (ROS) generation by the commercially available Mesosilverâ„¢ dietary supplement. Environmental Science: Nano, 2018, 5, 2686-2698.	2.2	5
125	Behavior of NDMA precursors at 21 full-scale water treatment facilities. Environmental Science: Water Research and Technology, 2018, 4, 1966-1978.	1.2	13
126	Non-target mass spectrometry analysis of NDMA precursors in advanced treatment for potable reuse. Environmental Science: Water Research and Technology, 2018, 4, 1944-1955.	1.2	18

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127	Electrochemical self-cleaning anodic surfaces for biofouling control during water treatment. Electrochemistry Communications, 2018, 96, 83-87.	2.3	31
128	Dry Powder Assay Rapidly Detects Metallic Nanoparticles in Water by Measuring Surface Catalytic Reactivity. Environmental Science & Technology, 2018, 52, 13289-13297.	4.6	15
129	Using single-particle ICP-MS for monitoring metal-containing particles in tap water. Environmental Science: Water Research and Technology, 2018, 4, 1923-1932.	1.2	26
130	Antimicrobial Efficacy and Life Cycle Impact of Silver-Containing Food Containers. ACS Sustainable Chemistry and Engineering, 2018, 6, 13086-13095.	3.2	19
131	Bromide and Other Halide Ion Removal From Drinking Waters Using Silverâ€Amended Coagulation. Journal - American Water Works Association, 2018, 110, 13-24.	0.2	4
132	Electrocatalytic reduction of nitrate: Fundamentals to full-scale water treatment applications. Applied Catalysis B: Environmental, 2018, 236, 546-568.	10.8	647
133	Low risk posed by engineered and incidental nanoparticles in drinking water. Nature Nanotechnology, 2018, 13, 661-669.	15.6	118
134	End-of-Life Heavy Metal Releases from Photovoltaic Panels and Quantum Dot Films: Hazardous Waste Concerns or Not?. ACS Sustainable Chemistry and Engineering, 2018, 6, 9369-9374.	3.2	16
135	Four release tests exhibit variable silver stability from nanoparticle-modified reverse osmosis membranes. Water Research, 2018, 143, 77-86.	5.3	34
136	LC/QTOF-MS fragmentation of N-nitrosodimethylamine precursors in drinking water supplies is predictable and aids their identification. Journal of Hazardous Materials, 2017, 323, 18-25.	6.5	23
137	Detection and dissolution of needle-like hydroxyapatite nanomaterials in infant formula. NanoImpact, 2017, 5, 22-28.	2.4	32
138	Prospecting nanomaterials in aqueous environments by cloud-point extraction coupled with transmission electron microscopy. Science of the Total Environment, 2017, 584-585, 515-522.	3.9	15
139	Zebrafish embryo toxicity of 15 chlorinated, brominated, and iodinated disinfection by-products. Journal of Environmental Sciences, 2017, 58, 302-310.	3.2	65
140	Challenges in photocatalytic reduction of nitrate as a water treatment technology. Science of the Total Environment, 2017, 599-600, 1524-1551.	3.9	224
141	Nano-enabling of strong-base ion-exchange media via a room-temperature aluminum (hydr)oxide synthesis method to simultaneously remove nitrate and fluoride. Science of the Total Environment, 2017, 599-600, 1848-1855.	3.9	15
142	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
143	Superfine powdered activated carbon incorporated into electrospun polystyrene fibers preserve adsorption capacity. Science of the Total Environment, 2017, 592, 458-464.	3.9	22
144	Interpreting Interactions between Ozone and Residual Petroleum Hydrocarbons in Soil. Environmental Science & Technology, 2017, 51, 506-513.	4.6	38

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145	Coupling Light Emitting Diodes with Photocatalyst-Coated Optical Fibers Improves Quantum Yield of Pollutant Oxidation. Environmental Science & Technology, 2017, 51, 13319-13326.	4.6	39
146	The efficacy and environmental implications of engineered TiO₂ nanoparticles in a commercial floor coating. Environmental Science: Nano, 2017, 4, 2030-2042.	2.2	6
147	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
148	Advanced Materials, Technologies, and Complex Systems Analyses: Emerging Opportunities to Enhance Urban Water Security. Environmental Science & Technology, 2017, 51, 10274-10281.	4.6	129
149	Methodology for quantifying engineered nanomaterial release from diverse product matrices under outdoor weathering conditions and implications for life cycle assessment. Environmental Science: Nano, 2017, 4, 1784-1797.	2.2	22
150	High levels of endocrine pollutants in US streams during low flow due to insufficient wastewaterÂdilution. Nature Geoscience, 2017, 10, 587-591.	5.4	106
151	Ranking traditional and nano-enabled sorbents for simultaneous removal of arsenic and chromium from simulated groundwater. Science of the Total Environment, 2017, 601-602, 1008-1014.	3.9	19
152	Microwave-assisted digestion and NaOH treatment of waste-activated sludge to recover phosphorus by crystallizing struvite. Environmental Technology (United Kingdom), 2017, 38, 1211-1222.	1.2	15
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	How important is drinking water exposure for the risks of engineered nanoparticles to consumers?. Nanotoxicology, 2016, 10, 1-9.	1.6	34
155	Morphology, structure, and properties of metal oxide/polymer nanocomposite electrospun mats. Journal of Applied Polymer Science, 2016, 133, .	1.3	33
156	Total Value of Phosphorus Recovery. Environmental Science & Technology, 2016, 50, 6606-6620.	4.6	452
157	Methods for the Detection and Characterization of Silica Colloids by Microsecond spICP-MS. Analytical Chemistry, 2016, 88, 4733-4741.	3.2	37
158	Quantification of Carbon Nanotubes in Environmental Matrices: Current Capabilities, Case Studies, and Future Prospects. Environmental Science & Technology, 2016, 50, 4587-4605.	4.6	104
159	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
160	Reducing environmental impacts of metal (hydr)oxide nanoparticle embedded anion exchange resins using anticipatory life cycle assessment. Environmental Science: Nano, 2016, 3, 1351-1360.	2.2	21
161	Overcoming implementation barriers for nanotechnology in drinking water treatment. Environmental Science: Nano, 2016, 3, 1241-1253.	2.2	101
162	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

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163	Carbonaceous nano-additives augment microwave-enabled thermal remediation of soils containing petroleum hydrocarbons. Environmental Science: Nano, 2016, 3, 997-1002.	2.2	21
164	Ozone enhances biodegradability of heavy hydrocarbons in soil. Journal of Environmental Engineering and Science, 2016, 11, 7-17.	0.3	32
165	Adsorption of <scp>iii</scp>/<scp>v</scp> ions (In(<scp>iii</scp>), Ga(<scp>iii</scp>) and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf nanoparticles used in the semiconductor industry. Environmental Science: Nano, 2016, 3, 1014-1026.	2.2	14
166	Comparative analysis of the photocatalytic reduction of drinking water oxoanions using titanium dioxide. Water Research, 2016, 104, 11-19.	5.3	55
167	Treatment of Heavy, Long-Chain Petroleum-Hydrocarbon Impacted Soils Using Chemical Oxidation. Journal of Environmental Engineering, ASCE, 2016, 142, .	0.7	24
168	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
169	Severe Weather Effects on Water Quality in Central Arizona. Journal - American Water Works Association, 2016, 108, E221.	0.2	6
170	Sorption and desorption of organic matter on solid-phase extraction media to isolate and identifyN-nitrosodimethylamine precursors. Journal of Separation Science, 2016, 39, 2796-2805.	1.3	13
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