R David Holbrook

List of Publications by Year
in descending order

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37	2,320	304368 22	360668 35
papers	citations	h-index	g-index

37	37	37	3510
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Potential Release Pathways, Environmental Fate, And Ecological Risks of Carbon Nanotubes. Environmental Science & Technology, 2011, 45, 9837-9856.	4.6	446
2	Copper Oxide Nanoparticle Mediated DNA Damage in Terrestrial Plant Models. Environmental Science & Technology, 2012, 46, 1819-1827.	4.6	424
3	Trophic transfer of nanoparticles in a simplified invertebrate food web. Nature Nanotechnology, 2008, 3, 352-355.	15.6	204
4	Estrogen Receptor Agonist Fate during Wastewater and Biosolids Treatment Processes:Â A Mass Balance Analysis. Environmental Science & Technology, 2002, 36, 4533-4539.	4.6	128
5	Sorption of 17Î²-Estradiol and 17Î±-Ethinylestradiol by Colloidal Organic Carbon Derived from Biological Wastewater Treatment Systems. Environmental Science & Technology, 2004, 38, 3322-3329.	4.6	122
6	UV-induced photochemical transformations of citrate-capped silver nanoparticle suspensions. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	114
7	Dynamics and mechanisms of quantum dot nanoparticle cellular uptake. Journal of Nanobiotechnology, 2010, 8, 13.	4.2	113
8	Characterizing natural organic material from the Occoquan Watershed (Northern Virginia, US) using fluorescence spectroscopy and PARAFAC. Science of the Total Environment, 2006, 361, 249-266.	3.9	111
9	Multiple Method Analysis of TiO₂ Nanoparticle Uptake in Rice (Oryza sativa L.) Plants. Environmental Science & Technology, 2017, 51, 10615-10623.	4.6	84
10	Storage Wars: how citrate-capped silver nanoparticle suspensions are affected by not-so-trivial decisions. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	53
11	Role of Particle Size and Ammonium Oxidation in Removal of 17Î±-Ethinyl Estradiol in Bioreactors. Journal of Environmental Engineering, ASCE, 2006, 132, 1527-1529.	0.7	44
12	Titanium distribution in swimming pool water is dominated by dissolved species. Environmental Pollution, 2013, 181, 68-74.	3.7	44
13	Evaluation of Membrane Bioreactor Process Capabilities to Meet Stringent Effluent Nutrient Discharge Requirements. Water Environment Research, 2005, 77, 162-178.	1.3	39
14	Preozonation Effects on the Reduction of Reverse Osmosis Membrane Fouling in Water Reuse. Ozone: Science and Engineering, 2011, 33, 379-388.	1.4	38
15	Impact of Reclaimed Water on Select Organic Matter Properties of a Receiving StreamFluorescence and Perylene Sorption Behaviorâ€. Environmental Science & Technology, 2005, 39, 6453-6460.	4.6	36
16	Effect of Alum Addition on the Performance of Submerged Membranes for Wastewater Treatment. Water Environment Research, 2004, 76, 2699-2702.	1.3	35
17	Impact of Source Water Quality on Multiwall Carbon Nanotube Coagulation. Environmental Science & Technology, 2010, 44, 1386-1391.	4.6	35
18	Optimizing Dewatering of Biosolids from Autothermal Thermophilic Aerobic Digesters (ATAD) Using Inorganic Conditioners. Water Environment Research, 2000, 72, 714-721.	1.3	34

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19	Association of Quantum Dot Nanoparticles with Pseudomonas aeruginosa Biofilm. Journal of Environmental Quality, 2010, 39, 1934-1941.	1.0	33
20	Investigation of Sorption Behavior between Pyrene and Colloidal Organic Carbon from Activated Sludge Processes. Environmental Science & Technology, 2004, 38, 4987-4994.	4.6	29
21	IMPACT OF ACTIVATED SLUDGE-DERIVED COLLOIDAL ORGANIC CARBON ON BEHAVIOR OF ESTROGENIC AGONIST RECOMBINANT YEAST BIOASSAY. Environmental Toxicology and Chemistry, 2005, 24, 2717.	2.2	26
22	Photoâ€induced surface transformations of silica nanocomposites. Surface and Interface Analysis, 2012, 44, 1572-1581.	0.8	24
23	Overview of Nanomaterial Characterization and Metrology. Frontiers of Nanoscience, 2015, 8, 47-87.	0.3	17
24	A Comparison of Membrane Bioreactor and Conventional-Activated-Sludge Mixed Liquor and Biosolids Characteristics. Water Environment Research, 2005, 77, 323-330.	1.3	17
25	Preparation and measurement methods for studying nanoparticle aggregate surface chemistry. Journal of Environmental Monitoring, 2012, 14, 1914.	2.1	13
26	Biological Wastewater Treatment and Estrogenic Endocrine Disrupting Compounds: Importance of Colloid Organic Carbon. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2003, 7, 289-296.	0.4	12
27	A Comparison of Membrane Bioreactor and Conventionalâ€Activatedâ€Sludge Mixed Liquor and Biosolids Characteristics. Water Environment Research, 2005, 77, 323-330.	1.3	10
28	Visualizing Nanoparticle Dissolution by Imaging Mass Spectrometry. Analytical Chemistry, 2014, 86, 3517-3524.	3.2	8
29	Using light scattering to evaluate the separation of polydisperse nanoparticles. Analytica Chimica Acta, 2015, 886, 207-213.	2.6	7
30	MEMBRANE BIOREACTOR PILOT FACILITY ACHIEVES LEVEL-OF-TECHNOLOGY EFFLUENT LIMITS. Proceedings of the Water Environment Federation, 2002, 2002, 38-64.	0.0	6
31	Investigating Activated Sludge Flocs using Microanalytical Techniques: Demonstration of Environmental Scanning Electron Microscopy and Time-of-Flight Secondary Ion Mass Spectrometry for Wastewater Applications. Water Environment Research, 2006, 78, 381-391.	1.3	6
32	Asymmetric flow field flow fractionation with light scattering detection â€“ an orthogonal sensitivity analysis. Journal of Chromatography A, 2016, 1473, 122-132.	1.8	5
33	The Role of Particulate and Colloidal Material in the Fate and Transport of Endocrine Disrupting Compounds from Engineered Systems. Proceedings of the Water Environment Federation, 2002, 2002, 697-711.	0.0	1
34	Response to Comment on â€œEstrogen Receptor Agonist Fate during Wastewater and Biosolids Treatment Processes:â€‰ A Mass Balance Analysisâ€• Environmental Science & Technology, 2003, 37, 4821-4822.	4.6	1
35	Characterization of Engineered Nanoparticles in Natural Waters. Comprehensive Analytical Chemistry, 2012, 59, 169-195.	0.7	1
36	Closure to Discussions. Water Environment Research, 2006, 78, 2526-2528.	1.3	0

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37	Effect of alum addition on the performance of submerged membranes for wastewater treatment. Water Environment Research, 2004, 76, 2699-702.	1.3	0