

# R David Holbrook

## List of Publications by Year in descending order

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37  
papers

2,320  
citations

304368

22  
h-index

360668

35  
g-index

37  
all docs

37  
docs citations

37  
times ranked

3510  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiple Method Analysis of TiO <sub>2</sub> Nanoparticle Uptake in Rice ( <i>Oryza sativa</i> L.) Plants. <i>Environmental Science &amp; Technology</i> , 2017, 51, 10615-10623.	4.6	84
2	Asymmetric flow field flow fractionation with light scattering detection – an orthogonal sensitivity analysis. <i>Journal of Chromatography A</i> , 2016, 1473, 122-132.	1.8	5
3	Overview of Nanomaterial Characterization and Metrology. <i>Frontiers of Nanoscience</i> , 2015, 8, 47-87.	0.3	17
4	Using light scattering to evaluate the separation of polydisperse nanoparticles. <i>Analytica Chimica Acta</i> , 2015, 886, 207-213.	2.6	7
5	Storage Wars: how citrate-capped silver nanoparticle suspensions are affected by not-so-trivial decisions. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	53
6	Visualizing Nanoparticle Dissolution by Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 3517-3524.	3.2	8
7	Titanium distribution in swimming pool water is dominated by dissolved species. <i>Environmental Pollution</i> , 2013, 181, 68-74.	3.7	44
8	Preparation and measurement methods for studying nanoparticle aggregate surface chemistry. <i>Journal of Environmental Monitoring</i> , 2012, 14, 1914.	2.1	13
9	UV-induced photochemical transformations of citrate-capped silver nanoparticle suspensions. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	114
10	Characterization of Engineered Nanoparticles in Natural Waters. <i>Comprehensive Analytical Chemistry</i> , 2012, 59, 169-195.	0.7	1
11	Copper Oxide Nanoparticle Mediated DNA Damage in Terrestrial Plant Models. <i>Environmental Science &amp; Technology</i> , 2012, 46, 1819-1827.	4.6	424
12	Photo-induced surface transformations of silica nanocomposites. <i>Surface and Interface Analysis</i> , 2012, 44, 1572-1581.	0.8	24
13	Preozonation Effects on the Reduction of Reverse Osmosis Membrane Fouling in Water Reuse. <i>Ozone: Science and Engineering</i> , 2011, 33, 379-388.	1.4	38
14	Potential Release Pathways, Environmental Fate, And Ecological Risks of Carbon Nanotubes. <i>Environmental Science &amp; Technology</i> , 2011, 45, 9837-9856.	4.6	446
15	Association of Quantum Dot Nanoparticles with <i>Pseudomonas aeruginosa</i> Biofilm. <i>Journal of Environmental Quality</i> , 2010, 39, 1934-1941.	1.0	33
16	Dynamics and mechanisms of quantum dot nanoparticle cellular uptake. <i>Journal of Nanobiotechnology</i> , 2010, 8, 13.	4.2	113
17	Impact of Source Water Quality on Multiwall Carbon Nanotube Coagulation. <i>Environmental Science &amp; Technology</i> , 2010, 44, 1386-1391.	4.6	35
18	Trophic transfer of nanoparticles in a simplified invertebrate food web. <i>Nature Nanotechnology</i> , 2008, 3, 352-355.	15.6	204

#	ARTICLE	IF	CITATIONS
19	Closure to Discussions. <i>Water Environment Research</i> , 2006, 78, 2526-2528.	1.3	0
20	Investigating Activated Sludge Flocs using Microanalytical Techniques: Demonstration of Environmental Scanning Electron Microscopy and Time-of-Flight Secondary Ion Mass Spectrometry for Wastewater Applications. <i>Water Environment Research</i> , 2006, 78, 381-391.	1.3	6
21	Characterizing natural organic material from the Occoquan Watershed (Northern Virginia, US) using fluorescence spectroscopy and PARAFAC. <i>Science of the Total Environment</i> , 2006, 361, 249-266.	3.9	111
22	Role of Particle Size and Ammonium Oxidation in Removal of 17 $\beta$ -Ethinyl Estradiol in Bioreactors. <i>Journal of Environmental Engineering, ASCE</i> , 2006, 132, 1527-1529.	0.7	44
23	IMPACT OF ACTIVATED SLUDGE-DERIVED COLLOIDAL ORGANIC CARBON ON BEHAVIOR OF ESTROGENIC AGONIST RECOMBINANT YEAST BIOASSAY. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 2717.	2.2	26
24	A Comparison of Membrane Bioreactor and Conventional-Activated-Sludge Mixed Liquor and Biosolids Characteristics. <i>Water Environment Research</i> , 2005, 77, 323-330.	1.3	10
25	Evaluation of Membrane Bioreactor Process Capabilities to Meet Stringent Effluent Nutrient Discharge Requirements. <i>Water Environment Research</i> , 2005, 77, 162-178.	1.3	39
26	Impact of Reclaimed Water on Select Organic Matter Properties of a Receiving Stream Fluorescence and Perylene Sorption Behavior. <i>Environmental Science &amp; Technology</i> , 2005, 39, 6453-6460.	4.6	36
27	A Comparison of Membrane Bioreactor and Conventional-Activated-Sludge Mixed Liquor and Biosolids Characteristics. <i>Water Environment Research</i> , 2005, 77, 323-330.	1.3	17
28	Effect of Alum Addition on the Performance of Submerged Membranes for Wastewater Treatment. <i>Water Environment Research</i> , 2004, 76, 2699-2702.	1.3	35
29	Investigation of Sorption Behavior between Pyrene and Colloidal Organic Carbon from Activated Sludge Processes. <i>Environmental Science &amp; Technology</i> , 2004, 38, 4987-4994.	4.6	29
30	Sorption of 17 $\beta$ -Estradiol and 17 $\beta$ -Ethinylestradiol by Colloidal Organic Carbon Derived from Biological Wastewater Treatment Systems. <i>Environmental Science &amp; Technology</i> , 2004, 38, 3322-3329.	4.6	122
31	Effect of alum addition on the performance of submerged membranes for wastewater treatment. <i>Water Environment Research</i> , 2004, 76, 2699-702.	1.3	0
32	Response to Comment on "Estrogen Receptor Agonist Fate during Wastewater and Biosolids Treatment Processes: A Mass Balance Analysis". <i>Environmental Science &amp; Technology</i> , 2003, 37, 4821-4822.	4.6	1
33	Biological Wastewater Treatment and Estrogenic Endocrine Disrupting Compounds: Importance of Colloid Organic Carbon. <i>Practice Periodical of Hazardous, Toxic and Radioactive Waste Management</i> , 2003, 7, 289-296.	0.4	12
34	The Role of Particulate and Colloidal Material in the Fate and Transport of Endocrine Disrupting Compounds from Engineered Systems. <i>Proceedings of the Water Environment Federation</i> , 2002, 2002, 697-711.	0.0	1
35	MEMBRANE BIOREACTOR PILOT FACILITY ACHIEVES LEVEL-OF-TECHNOLOGY EFFLUENT LIMITS. <i>Proceedings of the Water Environment Federation</i> , 2002, 2002, 38-64.	0.0	6
36	Estrogen Receptor Agonist Fate during Wastewater and Biosolids Treatment Processes: A Mass Balance Analysis. <i>Environmental Science &amp; Technology</i> , 2002, 36, 4533-4539.	4.6	128

#	ARTICLE	IF	CITATIONS
37	Optimizing Dewatering of Biosolids from Autothermal Thermophilic Aerobic Digesters (ATAD) Using Inorganic Conditioners. <i>Water Environment Research</i> , 2000, 72, 714-721.	1.3	34