

# Peter J Vikesland

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8451909/peter-j-vikesland-publications-by-year.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

136  
papers

6,534  
citations

44  
h-index

78  
g-index

168  
ext. papers

7,882  
ext. citations

8  
avg, IF

6.48  
L-index

#	Paper	IF	Citations
136	Lectin-Modified Bacterial Cellulose Nanocrystals Decorated with Au Nanoparticles for Selective Detection of Bacteria Using Surface-Enhanced Raman Scattering Coupled with Machine Learning. <i>ACS Applied Nano Materials</i> , <b>2022</b> , 5, 259-268	5.6	8
135	Long-read metagenomic sequencing reveals shifts in associations of antibiotic resistance genes with mobile genetic elements from sewage to activated sludge.. <i>Microbiome</i> , <b>2022</b> , 10, 20	16.6	2
134	Microporous Multiresonant Plasmonic Meshes by Hierarchical Micro-Nanoimprinting for Bio-Interfaced SERS Imaging and Nonlinear Nano-Optics.. <i>Small</i> , <b>2022</b> , e2106887	11	2
133	Life Cycle Impact Assessment of Iron Oxide (Fe <sub>3</sub> O <sub>4</sub> /Fe <sub>2</sub> O <sub>3</sub> ) Nanoparticle Synthesis Routes. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 3155-3165	8.3	1
132	Surface-enhanced Raman spectroscopy enabled evaluation of bacterial inactivation. <i>Water Research</i> , <b>2022</b> , 118668	12.5	0
131	MetaMLP: A Fast Word Embedding Based Classifier to Profile Target Gene Databases in Metagenomic Samples. <i>Journal of Computational Biology</i> , <b>2021</b> , 28, 1063-1074	1.7	
130	Seizing the moment: now is the time for integrated global surveillance of antimicrobial resistance in wastewater environments. <i>Current Opinion in Microbiology</i> , <b>2021</b> , 64, 91-99	7.9	8
129	Addressing the contribution of indirect potable reuse to inland freshwater salinization. <i>Nature Sustainability</i> , <b>2021</b> , 4, 699-707	22.1	3
128	Next generation sequencing approaches to evaluate water and wastewater quality. <i>Water Research</i> , <b>2021</b> , 194, 116907	12.5	15
127	Evaluation of Metagenomic-Enabled Antibiotic Resistance Surveillance at a Conventional Wastewater Treatment Plant. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 657954	5.7	11
126	Surface-Enhanced Raman Spectroscopy of Bacterial Metabolites for Bacterial Growth Monitoring and Diagnosis of Viral Infection. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 9119-9128	10.3	4
125	Unraveling the riverine antibiotic resistome: The downstream fate of anthropogenic inputs. <i>Water Research</i> , <b>2021</b> , 197, 117050	12.5	9
124	Nanostructured Au-Based Surface-Enhanced Raman Scattering Substrates and Multivariate Regression for pH Sensing. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 5768-5777	5.6	2
123	Discriminatory Detection of ssDNA by Surface-Enhanced Raman Spectroscopy (SERS) and Tree-Based Support Vector Machine (Tr-SVM). <i>Analytical Chemistry</i> , <b>2021</b> , 93, 9319-9328	7.8	10
122	Mechanistic theory predicts the effects of temperature and humidity on inactivation of SARS-CoV-2 and other enveloped viruses. <i>ELife</i> , <b>2021</b> , 10,	8.9	55
121	Direct Quantification of the Effect of Ammonium on Aerosol Droplet pH. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 778-787	10.3	8
120	Standardizing data reporting in the research community to enhance the utility of open data for SARS-CoV-2 wastewater surveillance. <i>Environmental Science: Water Research and Technology</i> , <b>2021</b> , 9,	4.2	5

119	A Fast Word Embedding Based Classifier to Profile Target Gene Databases in Metagenomic Samples. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 116-126	0.9	
118	Critical evaluation of short, long, and hybrid assembly for contextual analysis of antibiotic resistance genes in complex environmental metagenomes. <i>Scientific Reports</i> , <b>2021</b> , 11, 3753	4.9	10
117	Increased coverage and high confidence in suspect screening of emerging contaminants in global environmental samples. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 414, 125369	12.8	11
116	Data Analytics for Environmental Science and Engineering Research. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 10895-10907	10.3	3
115	Implications of the Coffee-Ring Effect on Virus Infectivity. <i>Langmuir</i> , <b>2021</b> , 37, 11260-11268	4	1
114	Nanobiotechnology enabled approaches for wastewater based epidemiology. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2021</b> , 143, 116400	14.6	4
113	Synthesis and SERS application of gold and iron oxide functionalized bacterial cellulose nanocrystals (Au@FeO@BCNCs). <i>Analyst, The</i> , <b>2020</b> , 145, 4358-4368	5	3
112	ARGminer: a web platform for the crowdsourcing-based curation of antibiotic resistance genes. <i>Bioinformatics</i> , <b>2020</b> , 36, 2966-2973	7.2	18
111	Mechanistic theory predicts the effects of temperature and humidity on inactivation of SARS-CoV-2 and other enveloped viruses <b>2020</b> ,		24
110	Demonstrating an Integrated Antibiotic Resistance Gene Surveillance Approach in Puerto Rican Watersheds Post-Hurricane Maria. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 15108-15119	10.3	7
109	Plasmonic Electronic Raman Scattering as Internal Standard for Spatial and Temporal Calibration in Quantitative Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 9543-9551	6.4	16
108	Identification of discriminatory antibiotic resistance genes among environmental resistomes using extremely randomized tree algorithm. <i>Microbiome</i> , <b>2019</b> , 7, 123	16.6	25
107	Towards a harmonized method for the global reconnaissance of multi-class antimicrobials and other pharmaceuticals in wastewater and receiving surface waters. <i>Environment International</i> , <b>2019</b> , 124, 361-369	12.9	22
106	NanoARG: a web service for detecting and contextualizing antimicrobial resistance genes from nanopore-derived metagenomes. <i>Microbiome</i> , <b>2019</b> , 7, 88	16.6	32
105	Degradation of extracellular genomic, plasmid DNA and specific antibiotic resistance genes by chlorination. <i>Frontiers of Environmental Science and Engineering</i> , <b>2019</b> , 13, 1	5.8	20
104	Insights gained into activated sludge nitrification through structural and functional profiling of microbial community response to starvation stress. <i>Environmental Science: Water Research and Technology</i> , <b>2019</b> , 5, 884-896	4.2	5
103	Differential Drivers of Antimicrobial Resistance across the World. <i>Accounts of Chemical Research</i> , <b>2019</b> , 52, 916-924	24.3	70
102	Implications of aspect ratio on the uptake and nanotoxicity of gold nanomaterials. <i>NanoImpact</i> , <b>2019</b> , 14, 100153	5.6	5

101	Natural, incidental, and engineered nanomaterials and their impacts on the Earth system. <i>Science</i> , <b>2019</b> , 363,	33.3	250
100	In situ remediation of subsurface contamination: opportunities and challenges for nanotechnology and advanced materials. <i>Environmental Science: Nano</i> , <b>2019</b> , 6, 1283-1302	7.1	38
99	The Aromatic Amine pKa Determines the Affinity for Citrate-Coated Gold Nanoparticles: In Situ Observation via Hot Spot-Normalized Surface-Enhanced Raman Spectroscopy. <i>Environmental Science and Technology Letters</i> , <b>2019</b> , 6, 199-204	11	7
98	Bromide ion-functionalized nanoprobe for sensitive and reliable pH measurement by surface-enhanced Raman spectroscopy. <i>Analyst</i> , <b>2019</b> , 144, 7326-7335	5	5
97	Real-Time Monitoring of Ligand Exchange Kinetics on Gold Nanoparticle Surfaces Enabled by Hot Spot-Normalized Surface-Enhanced Raman Scattering. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 575-585	10.3	22
96	Controlled Evaluation of the Impacts of Surface Coatings on Silver Nanoparticle Dissolution Rates. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 2726-2734	10.3	39
95	Improved Quantitative SERS Enabled by Surface Plasmon Enhanced Elastic Light Scattering. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 3227-3237	7.8	36
94	Metagenomic analysis of microbial communities yields insight into impacts of nanoparticle design. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 253-259	28.7	36
93	Effects of sample preservation and DNA extraction on enumeration of antibiotic resistance genes in wastewater. <i>FEMS Microbiology Ecology</i> , <b>2018</b> , 94,	4.3	21
92	Surface-Enhanced Raman Spectroscopy Characterization of Salt-Induced Aggregation of Gold Nanoparticles. <i>ChemPhysChem</i> , <b>2018</b> , 19, 24-28	3.2	12
91	Reply to Colussi: Microdroplet interfacial pH, the ongoing discussion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E7888-E7889	11.5	2
90	Nanosensors for water quality monitoring. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 651-660	28.7	120
89	DeepARG: a deep learning approach for predicting antibiotic resistance genes from metagenomic data. <i>Microbiome</i> , <b>2018</b> , 6, 23	16.6	211
88	NanoEarth (National Center for Earth and Environmental Nanotechnology Infrastructure) <b>2018</b> , 169-192		1
87	Nanomaterial enabled sensors for environmental contaminants. <i>Journal of Nanobiotechnology</i> , <b>2018</b> , 16, 95	9.4	77
86	Surface-Enhanced Raman Scattering Based Microfluidics for Single-Cell Analysis. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 12004-12010	7.8	35
85	Gold Nanoparticle Toxicity in Mice and Rats: Species Differences. <i>Toxicologic Pathology</i> , <b>2018</b> , 46, 431-443	1	31
84	An Environmental Science and Engineering Framework for Combating Antimicrobial Resistance. <i>Environmental Engineering Science</i> , <b>2018</b> , 35, 1005-1011	2	29

83	Aerosol microdroplets exhibit a stable pH gradient. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 7272-7277	11.5	77
82	Sulfate-Mediated End-to-End Assembly of Gold Nanorods. <i>Langmuir</i> , <b>2017</b> , 33, 1486-1495	4	23
81	Environmental Engineering Science in the 21st Century. <i>Environmental Engineering Science</i> , <b>2017</b> , 34, 1-2	2	1
80	Toward a Comprehensive Strategy to Mitigate Dissemination of Environmental Sources of Antibiotic Resistance. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 13061-13069	10.3	144
79	Stable oligonucleotide-functionalized gold nanosensors for environmental biocontaminant monitoring. <i>Journal of Environmental Sciences</i> , <b>2017</b> , 62, 49-59	6.4	12
78	Quantitative SERS by hot spot normalization - surface enhanced Rayleigh band intensity as an alternative evaluation parameter for SERS substrate performance. <i>Faraday Discussions</i> , <b>2017</b> , 205, 491-504	3.6	18
77	Gold nanospheres and gold nanostars immobilized onto thiolated eggshell membranes as highly robust and recyclable catalysts. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 9406-9413	3.6	6
76	Analytical SERS: general discussion. <i>Faraday Discussions</i> , <b>2017</b> , 205, 561-600	3.6	9
75	Factors Shaping the Human Exposome in the Built Environment: Opportunities for Engineering Control. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 7759-7774	10.3	53
74	Waste not want not: life cycle implications of gold recovery and recycling from nanowaste. <i>Environmental Science: Nano</i> , <b>2016</b> , 3, 1133-1143	7.1	33
73	Facile, tunable, and SERS-enhanced HEPES gold nanostars. <i>RSC Advances</i> , <b>2016</b> , 6, 29669-29673	3.7	30
72	Silver Sulfidation in Thermophilic Anaerobic Digesters and Effects on Antibiotic Resistance Genes. <i>Environmental Engineering Science</i> , <b>2016</b> , 33, 1-10	2	9
71	Dissolution and Persistence of Copper-Based Nanomaterials in Undersaturated Solutions with Respect to Cupric Solid Phases. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 6772-81	10.3	42
70	Aggregation and sedimentation of magnetite nanoparticle clusters. <i>Environmental Science: Nano</i> , <b>2016</b> , 3, 567-577	7.1	62
69	Optimizing blocking of nonspecific bacterial attachment to impedimetric biosensors. <i>Sensing and Bio-Sensing Research</i> , <b>2016</b> , 8, 47-54	3.3	29
68	Highly stable SERS pH nanoprobe produced by co-solvent controlled AuNP aggregation. <i>Analyst</i> , <b>2016</b> , 141, 5159-69	5	39
67	Co-transport of gold nanospheres with single-walled carbon nanotubes in saturated porous media. <i>Water Research</i> , <b>2016</b> , 99, 7-15	12.5	31
66	Protein-aided formation of triangular silver nanoprisms with enhanced SERS performance. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 4182-4190	7.3	25

65	Biodegradation of nanocrystalline cellulose by two environmentally-relevant consortia. <i>Water Research</i> , <b>2016</b> , 104, 137-146	12.5	21
64	Preparation and evaluation of nanocellulose-gold nanoparticle nanocomposites for SERS applications. <i>Analyst, The</i> , <b>2015</b> , 140, 5640-9	5	65
63	Raman Characterization of Nanoparticle Transport in Microfluidic Paper-Based Analytical Devices (PADs). <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 9139-46	9.5	21
62	Plasmonic colorimetric and SERS sensors for environmental analysis. <i>Environmental Science: Nano</i> , <b>2015</b> , 2, 120-135	7.1	173
61	Enhanced disinfection by-product formation due to nanoparticles in wastewater treatment plant effluents. <i>Environmental Science: Water Research and Technology</i> , <b>2015</b> , 1, 823-831	4.2	18
60	Characterization of Conventional One-Step Sodium Thiosulfate Facilitated Gold Nanoparticle Synthesis. <i>Nanoscale Research Letters</i> , <b>2015</b> , 10, 940	5	8
59	Room temperature seed mediated growth of gold nanoparticles: mechanistic investigations and life cycle assesment. <i>Environmental Science: Nano</i> , <b>2015</b> , 2, 440-453	7.1	68
58	Microbial community response of nitrifying sequencing batch reactors to silver, zero-valent iron, titanium dioxide and cerium dioxide nanomaterials. <i>Water Research</i> , <b>2015</b> , 68, 87-97	12.5	62
57	pH-Triggered Molecular Alignment for Reproducible SERS Detection via an AuNP/Nanocellulose Platform. <i>Scientific Reports</i> , <b>2015</b> , 5, 18131	4.9	37
56	Lead toxicity to the performance, viability, and community composition of activated sludge microorganisms. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 824-30	10.3	66
55	Life Cycle Assessment of Green Nanoparticle Synthesis Methods. <i>Environmental Engineering Science</i> , <b>2014</b> , 31, 410-420	2	35
54	Environmental science and engineering applications of nanocellulose-based nanocomposites. <i>Environmental Science: Nano</i> , <b>2014</b> , 1, 302-316	7.1	195
53	Surface-Enhanced Raman Spectroscopy (SERS) Cellular Imaging of Intracellularly Biosynthesized Gold Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2014</b> , 2, 1599-1608	8.3	53
52	Controlled evaluation of silver nanoparticle sulfidation in a full-scale wastewater treatment plant. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 8564-72	10.3	95
51	MGITC facilitated formation of AuNP multimers. <i>Langmuir</i> , <b>2014</b> , 30, 8342-9	4	20
50	Porous media-induced aggregation of protein-stabilized gold nanoparticles. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 1532-40	10.3	13
49	Disinfection By-Product Formation Catalyzed by Nanoparticles in Wastewater Effluents. <i>Proceedings of the Water Environment Federation</i> , <b>2014</b> , 2014, 2294-2301		
48	Uncontrolled variability in the extinction spectra of C60 nanoparticle suspensions. <i>Langmuir</i> , <b>2013</b> , 29, 9685-93	4	14

47	Uptake and retention of metallic nanoparticles in the Mediterranean mussel ( <i>Mytilus galloprovincialis</i> ). <i>Aquatic Toxicology</i> , <b>2013</b> , 140-141, 89-97	5.1	33
46	Effect of wastewater colloids on membrane removal of antibiotic resistance genes. <i>Water Research</i> , <b>2013</b> , 47, 130-40	12.5	107
45	Nanoclustered gold honeycombs for surface-enhanced Raman scattering. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 1342-9	7.8	26
44	Perfluorooctanoic acid degradation in the presence of Fe(III) under natural sunlight. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 262, 456-63	12.8	50
43	Effects of dilution on the properties of nC60. <i>Environmental Pollution</i> , <b>2013</b> , 181, 51-9	9.3	5
42	Halogenation of bisphenol-A, triclosan, and phenols in chlorinated waters containing iodide. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 6764-72	10.3	49
41	Effect of silver nanoparticles and antibiotics on antibiotic resistance genes in anaerobic digestion. <i>Water Environment Research</i> , <b>2013</b> , 85, 411-21	2.8	65
40	Moving beyond mass: the unmet need to consider dose metrics in environmental nanotoxicology studies. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 10881-2	10.3	40
39	Controlled evaluation of silver nanoparticle dissolution using atomic force microscopy. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 6977-84	10.3	109
38	Alteration of nC60 in the presence of environmentally relevant carboxylates. <i>Langmuir</i> , <b>2012</b> , 28, 7622-30	10.3	14
37	INTRACELLULAR LOCALIZATION AND KINETICS OF UPTAKE AND CLEARANCE OF GOLD NANOPARTICLES IN PRIMARY HEPATIC CELLS. <i>Nano LIFE</i> , <b>2012</b> , 02, 1241008	0.9	1
36	Filter-feeding bivalves store and biodeposit colloiddally stable gold nanoparticles. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 6592-9	10.3	58
35	UV-vis spectroscopic properties of nC60 produced via extended mixing. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 9967-74	10.3	43
34	Measurement of the thermal conductivity of carbon nanotube-tissue phantom composites with the hot wire probe method. <i>Annals of Biomedical Engineering</i> , <b>2011</b> , 39, 1745-58	4.7	9
33	Differentiation of microcystin, nodularin, and their component amino acids by drop-coating deposition Raman spectroscopy. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 9273-80	7.8	29
32	Drop coating deposition Raman (DCDR) for microcystin-LR identification and quantitation. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 5644-51	10.3	38
31	Effects of Bulk Water Chemistry on Autogenous Healing of Concrete. <i>Journal of Materials in Civil Engineering</i> , <b>2010</b> , 22, 515-524	3	31
30	Effects of oxidation on the magnetization of nanoparticulate magnetite. <i>Langmuir</i> , <b>2010</b> , 26, 16745-53	4	113

29	Fractionating nanosilver: importance for determining toxicity to aquatic test organisms. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 9571-7	10.3	155
28	Nanomaterial enabled biosensors for pathogen monitoring - a review. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 3656-69	10.3	208
27	Dioxin photoproducts of triclosan and its chlorinated derivatives in sediment cores. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 4545-51	10.3	117
26	Surface-enhanced Raman spectroscopy (SERS) for environmental analyses. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 7749-55	10.3	338
25	Gold-coated polycarbonate membrane filter for pathogen concentration and SERS-based detection. <i>Analyst, The</i> , <b>2010</b> , 135, 1320-6	5	36
24	Aquatic photochemistry of chlorinated triclosan derivatives: potential source of polychlorodibenzo-p-dioxins. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 2555-63	3.8	100
23	Release of metal impurities from carbon nanomaterials influences aquatic toxicity. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 4169-74	10.3	84
22	Effects of carboxylic acids on nC60 aggregate formation. <i>Environmental Pollution</i> , <b>2009</b> , 157, 1072-80	9.3	31
21	Surface-enhanced resonance raman spectroscopy for the rapid detection of <i>Cryptosporidium parvum</i> and <i>Giardia lamblia</i> . <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 1147-52	10.3	71
20	Surface catalyzed Fenton treatment of bis(2-chloroethyl) ether and bis(2-chloroethoxy) methane. <i>Chemosphere</i> , <b>2008</b> , 70, 1390-8	8.4	3
19	C60 colloid formation in aqueous systems: effects of preparation method on size, structure, and surface charge. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 173-8	10.3	127
18	Effectiveness of switching disinfectants for nitrification control. <i>Journal - American Water Works Association</i> , <b>2008</b> , 100, 104-115	0.5	15
17	Particle size and aggregation effects on magnetite reactivity toward carbon tetrachloride. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 5277-83	10.3	120
16	Formation of chloroform and other chlorinated byproducts by chlorination of triclosan-containing antibacterial products. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 2387-94	10.3	121
15	Triclosan reactivity in chloraminated waters. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 2615-22	10.3	48
14	Longevity of granular iron in groundwater treatment processes: corrosion product development. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 2867-79	10.3	127
13	Triclosan research misreported?. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 271A-272A; author reply 272A	10.3	
12	Formation of chloroform and chlorinated organics by free-chlorine-mediated oxidation of triclosan. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 3176-85	10.3	241



11	The Evolution of Environmental Engineering as a Professional Discipline. <i>Environmental Engineering Science</i> , <b>2004</b> , 21, 117-123	2	5
10	Longevity of granular iron in groundwater treatment processes: changes in solute transport properties over time. <i>Journal of Contaminant Hydrology</i> , <b>2003</b> , 64, 3-33	3.9	69
9	Applications of surface analysis in the environmental sciences: dehalogenation of chlorocarbons with zero-valent iron and iron-containing mineral surfaces. <i>Analytica Chimica Acta</i> , <b>2003</b> , 496, 301-313	6.6	16
8	Longevity of granular iron in groundwater treatment processes: solution composition effects on reduction of organohalides and nitroaromatic compounds. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 1208-18	10.3	181
7	Modeling the kinetics of ferrous iron oxidation by monochloramine. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 662-8	10.3	32
6	Iron oxide surface-catalyzed oxidation of ferrous iron by monochloramine: implications of oxide type and carbonate on reactivity. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 512-9	10.3	67
5	Monochloramine decay in model and distribution system waters. <i>Water Research</i> , <b>2001</b> , 35, 1766-76	12.5	232
4	Reaction Pathways Involved in the Reduction of Monochloramine by Ferrous Iron. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 83-90	10.3	52
3	Effect of Natural Organic Matter on Monochloramine Decomposition: Pathway Elucidation through the Use of Mass and Redox Balances. <i>Environmental Science &amp; Technology</i> , <b>1998</b> , 32, 1409-1416	10.3	86
2	Application of Product Studies in the Elucidation of Chloramine Reaction Pathways. <i>ACS Symposium Series</i> , <b>1996</b> , 105-114	0.4	4
1	Modeling the Decomposition of Disinfecting Residuals of Chloramine. <i>ACS Symposium Series</i> , <b>1996</b> , 115-125	0.4	14