

# Kurt D Pennell

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5166513/publications.pdf>

Version: 2024-02-01

168  
papers

7,180  
citations

53660

45  
h-index

66788

78  
g-index

176  
all docs

176  
docs citations

176  
times ranked

5657  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surfactant-enhanced solubilization of residual dodecane in soil columns. 1. Experimental investigation. <i>Environmental Science &amp; Technology</i> , 1993, 27, 2332-2340.	4.6	343
2	Influence of Viscous and Buoyancy Forces on the Mobilization of Residual Tetrachloroethylene during Surfactant Flushing. <i>Environmental Science &amp; Technology</i> , 1996, 30, 1328-1335.	4.6	294
3	Parkinson's disease and pesticides: a toxicological perspective. <i>Trends in Pharmacological Sciences</i> , 2008, 29, 322-329.	4.0	275
4	Surfactant enhanced remediation of soil columns contaminated by residual tetrachloroethylene. <i>Journal of Contaminant Hydrology</i> , 1994, 16, 35-53.	1.6	221
5	Investigation of the Transport and Deposition of Fullerene (C <sub>60</sub> ) Nanoparticles in Quartz Sands under Varying Flow Conditions. <i>Environmental Science &amp; Technology</i> , 2008, 42, 7174-7180.	4.6	219
6	Transport and Retention of Nanoscale C <sub>60</sub> Aggregates in Water-Saturated Porous Media. <i>Environmental Science &amp; Technology</i> , 2008, 42, 3588-3594.	4.6	191
7	Developmental exposure to the pesticide dieldrin alters the dopamine system and increases neurotoxicity in an animal model of Parkinson's disease. <i>FASEB Journal</i> , 2006, 20, 1695-1697.	0.2	188
8	Reference Standardization for Mass Spectrometry and High-resolution Metabolomics Applications to Exposome Research. <i>Toxicological Sciences</i> , 2015, 148, 531-543.	1.4	186
9	Chlorinated Ethene Source Remediation: Lessons Learned. <i>Environmental Science &amp; Technology</i> , 2012, 46, 6438-6447.	4.6	176
10	Surfactant-enhanced solubilization of residual dodecane in soil columns. 2. Mathematical modeling. <i>Environmental Science &amp; Technology</i> , 1993, 27, 2341-2351.	4.6	130
11	Vapor-phase sorption of p-xylene and water on soils and clay minerals. <i>Environmental Science &amp; Technology</i> , 1992, 26, 756-763.	4.6	128
12	Dieldrin exposure induces oxidative damage in the mouse nigrostriatal dopamine system. <i>Experimental Neurology</i> , 2007, 204, 619-630.	2.0	120
13	Accumulation of PFOA and PFOS at the Air-Water Interface. <i>Environmental Science and Technology Letters</i> , 2019, 6, 487-491.	3.9	120
14	Solubilization of Dodecane, Tetrachloroethylene, and 1,2-Dichlorobenzene in Micellar Solutions of Ethoxylated Nonionic Surfactants. <i>Environmental Science &amp; Technology</i> , 1997, 31, 1382-1389.	4.6	115
15	Surface Area of Soil Organic Matter Reexamined. <i>Soil Science Society of America Journal</i> , 1995, 59, 1012-1018.	1.2	110
16	Surfactant enhanced recovery of tetrachloroethylene from a porous medium containing low permeability lenses. <i>Journal of Contaminant Hydrology</i> , 2001, 48, 325-350.	1.6	108
17	Influence of electrolyte species and concentration on the aggregation and transport of fullerene nanoparticles in quartz sands. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 1860-1867.	2.2	106
18	An Experimental Investigation of Rate-Limited Nonaqueous Phase Liquid Volatilization in Unsaturated Porous Media: Steady State Mass Transfer. <i>Water Resources Research</i> , 1995, 31, 2159-2172.	1.7	105

#	ARTICLE	IF	CITATIONS
19	Coupling Aggressive Mass Removal with Microbial Reductive Dechlorination for Remediation of DNAPL Source Zones: A Review and Assessment. <i>Environmental Health Perspectives</i> , 2005, 113, 465-477.	2.8	94
20	Polychlorinated Biphenyls Induced Reduction of Dopamine Transporter Expression as a Precursor to Parkinson's Disease Associated Dopamine Toxicity. <i>Toxicological Sciences</i> , 2006, 92, 490-499.	1.4	94
21	Estimating mass discharge from dense nonaqueous phase liquid source zones using upscaled mass transfer coefficients: An evaluation using multiphase numerical simulations. <i>Water Resources Research</i> , 2006, 42, .	1.7	91
22	High-resolution metabolomics of occupational exposure to trichloroethylene. <i>International Journal of Epidemiology</i> , 2016, 45, 1517-1527.	0.9	87
23	Experimental Evaluation and Mathematical Modeling of Microbially Enhanced Tetrachloroethene (PCE) Dissolution. <i>Environmental Science &amp; Technology</i> , 2007, 41, 963-970.	4.6	84
24	Selective Targeting of the Cysteine Proteome by Thioredoxin and Glutathione Redox Systems. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 3285-3296.	2.5	81
25	Pilot-Scale Demonstration of Surfactant-Enhanced PCE Solubilization at the Bachman Road Site. 1. Site Characterization and Test Design. <i>Environmental Science &amp; Technology</i> , 2005, 39, 1778-1790.	4.6	78
26	Influence of a Nonionic Surfactant on the Water Retention Properties of Unsaturated Soils. <i>Soil Science Society of America Journal</i> , 2001, 65, 1392-1399.	1.2	77
27	Pilot-Scale Demonstration of Surfactant-Enhanced PCE Solubilization at the Bachman Road Site. 2. System Operation and Evaluation. <i>Environmental Science &amp; Technology</i> , 2005, 39, 1791-1801.	4.6	76
28	Effect of Grafted Copolymer Composition on Iron Oxide Nanoparticle Stability and Transport in Porous Media at High Salinity. <i>Energy &amp; Fuels</i> , 2014, 28, 3655-3665.	2.5	76
29	PCE Oxidation by Sodium Persulfate in the Presence of Solids. <i>Environmental Science &amp; Technology</i> , 2010, 44, 9445-9450.	4.6	69
30	Predicting DNAPL mass discharge from pool-dominated source zones. <i>Journal of Contaminant Hydrology</i> , 2010, 114, 18-34.	1.6	68
31	Transport and Retention of Fullerene Nanoparticles in Natural Soils. <i>Journal of Environmental Quality</i> , 2010, 39, 1925-1933.	1.0	65
32	Metabolomic assessment of exposure to near-highway ultrafine particles. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2019, 29, 469-483.	1.8	65
33	Association between polychlorinated biphenyls and Parkinson's disease neuropathology. <i>NeuroToxicology</i> , 2012, 33, 1298-1304.	1.4	64
34	Stimulated Microbial Reductive Dechlorination following Surfactant Treatment at the Bachman Road Site. <i>Environmental Science &amp; Technology</i> , 2004, 38, 5902-5914.	4.6	60
35	Spatial and Temporal Distributions of <i>Geobacter lovleyi</i> and <i>Dehalococcoides</i> spp. during Bioenhanced PCE-NAPL Dissolution. <i>Environmental Science &amp; Technology</i> , 2009, 43, 1977-1985.	4.6	59
36	Transport behavior of functionalized multi-wall carbon nanotubes in water-saturated quartz sand as a function of tube length. <i>Water Research</i> , 2012, 46, 4521-4531.	5.3	59

#	ARTICLE	IF	CITATIONS
37	Enhanced Mobility of Fullerene (C <sub>60</sub> ) Nanoparticles in the Presence of Stabilizing Agents. <i>Environmental Science &amp; Technology</i> , 2012, 46, 11761-11769.	4.6	59
38	Reductions in Contaminant Mass Discharge Following Partial Mass Removal from DNAPL Source Zones. <i>Environmental Science &amp; Technology</i> , 2006, 40, 6110-6116.	4.6	57
39	Solubilization Rates of n-Alkanes in Micellar Solutions of Nonionic Surfactants. <i>Environmental Science &amp; Technology</i> , 2000, 34, 476-482.	4.6	54
40	Microbial activity and distribution during enhanced contaminant dissolution from a NAPL source zone. <i>Water Research</i> , 2008, 42, 2963-2974.	5.3	53
41	Exposure to the polybrominated diphenyl ether mixture DE-71 damages the nigrostriatal dopamine system: Role of dopamine handling in neurotoxicity. <i>Experimental Neurology</i> , 2013, 241, 138-147.	2.0	53
42	Organohalide Respiration with Chlorinated Ethenes under Low pH Conditions. <i>Environmental Science &amp; Technology</i> , 2017, 51, 8579-8588.	4.6	52
43	Metabolomics of childhood exposure to perfluoroalkyl substances: a cross-sectional study. <i>Metabolomics</i> , 2019, 15, 95.	1.4	52
44	Silver Dissolution and Release from Ceramic Water Filters. <i>Environmental Science &amp; Technology</i> , 2015, 49, 8515-8522.	4.6	50
45	Developmental heptachlor exposure increases susceptibility of dopamine neurons to N-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) in a gender-specific manner. <i>NeuroToxicology</i> , 2008, 29, 855-863.	1.4	49
46	Effects of ultraviolet light on silver nanoparticle mobility and dissolution. <i>Environmental Science: Nano</i> , 2015, 2, 683-691.	2.2	49
47	Exacerbation of Dopaminergic Terminal Damage in a Mouse Model of Parkinson's Disease by the G-Protein-Coupled Receptor Protease-Activated Receptor 1. <i>Molecular Pharmacology</i> , 2007, 72, 653-664.	1.0	46
48	Effects of Elevated Temperature on <i>Dehalococcoides</i> Dechlorination Performance and DNA and RNA Biomarker Abundance. <i>Environmental Science &amp; Technology</i> , 2011, 45, 712-718.	4.6	46
49	Density-Modified Displacement for DNAPL Source Zone Remediation: Density Conversion and Recovery in Heterogeneous Aquifer Cells. <i>Environmental Science &amp; Technology</i> , 2002, 36, 3176-3187.	4.6	45
50	Surfactant enhanced recovery of tetrachloroethylene from a porous medium containing low permeability lenses. <i>Journal of Contaminant Hydrology</i> , 2001, 48, 351-374.	1.6	44
51	Density-Modified Displacement for Dense Nonaqueous-Phase Liquid Source-Zone Remediation: Density Conversion Using a Partitioning Alcohol. <i>Environmental Science &amp; Technology</i> , 2002, 36, 2082-2087.	4.6	43
52	Disruption of dopamine transport by DDT and its metabolites. <i>NeuroToxicology</i> , 2008, 29, 682-690.	1.4	42
53	Use of a Surfactant-Stabilized Emulsion To Deliver 1-Butanol for Density-Modified Displacement of Trichloroethene. <i>Environmental Science &amp; Technology</i> , 2003, 37, 4246-4253.	4.6	41
54	Effectiveness of nanoscale zero-valent iron for treatment of a PCE DNAPL source zone. <i>Journal of Contaminant Hydrology</i> , 2010, 118, 128-142.	1.6	41

#	ARTICLE	IF	CITATIONS
55	Mitochondrial Metabolomics Using High-Resolution Fourier-Transform Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2014, 1198, 43-73.	0.4	40
56	Accumulation of six PFAS compounds by woody and herbaceous plants: potential for phytoextraction. <i>International Journal of Phytoremediation</i> , 2020, 22, 1538-1550.	1.7	39
57	Effects of the Nonionic Surfactant Tween 80 on Microbial Reductive Dechlorination of Chlorinated Ethenes. <i>Environmental Science &amp; Technology</i> , 2007, 41, 1710-1716.	4.6	38
58	Activation of Transcription Factor MEF2D by Bis(3)-cognitin Protects Dopaminergic Neurons and Ameliorates Parkinsonian Motor Defects. <i>Journal of Biological Chemistry</i> , 2012, 287, 34246-34255.	1.6	38
59	Metabolome-wide association study of phenylalanine in plasma of common marmosets. <i>Amino Acids</i> , 2015, 47, 589-601.	1.2	38
60	A multi-constituent site blocking model for nanoparticle and stabilizing agent transport in porous media. <i>Environmental Science: Nano</i> , 2015, 2, 155-166.	2.2	37
61	High-Resolution Metabolomics for Nutrition and Health Assessment of Armed Forces Personnel. <i>Journal of Occupational and Environmental Medicine</i> , 2016, 58, S80-S88.	0.9	37
62	Evaluation of trichloroethene recovery processes in heterogeneous aquifer cells flushed with biodegradable surfactants. <i>Journal of Contaminant Hydrology</i> , 2007, 94, 195-214.	1.6	36
63	Influence of surfactant-facilitated interfacial tension reduction on chlorinated solvent migration in porous media: observations and numerical simulation. <i>Journal of Contaminant Hydrology</i> , 2003, 64, 227-252.	1.6	35
64	Exposure to Persistent Organic Pollutants (POPs) and Their Relationship to Hepatic Fat and Insulin Insensitivity among Asian Indian Immigrants in the United States. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13906-13918.	4.6	35
65	Deployment-Associated Exposure Surveillance With High-Resolution Metabolomics. <i>Journal of Occupational and Environmental Medicine</i> , 2016, 58, S12-S21.	0.9	34
66	High temperature stability and low adsorption of sub-100 nm magnetite nanoparticles grafted with sulfonated copolymers on Berea sandstone in high salinity brine. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 520, 257-267.	2.3	34
67	In Situ Sequestration of Perfluoroalkyl Substances Using Polymer-Stabilized Powdered Activated Carbon. <i>Environmental Science &amp; Technology</i> , 2020, 54, 6929-6936.	4.6	34
68	Spatial and Temporal Evolution of Biogeochemical Processes Following In Situ Capping of Contaminated Sediments. <i>Environmental Science &amp; Technology</i> , 2008, 42, 4113-4120.	4.6	33
69	Metabolome-wide association study of anti-epileptic drug treatment during pregnancy. <i>Toxicology and Applied Pharmacology</i> , 2019, 363, 122-130.	1.3	33
70	Natural Attenuation Processes during In Situ Capping. <i>Environmental Science &amp; Technology</i> , 2007, 41, 5306-5313.	4.6	32
71	Influence of Residual Polymer on Nanoparticle Deposition in Porous Media. <i>Environmental Science &amp; Technology</i> , 2014, 48, 10664-10671.	4.6	32
72	Pilot Metabolome-Wide Association Study of Benzo(a)pyrene in Serum From Military Personnel. <i>Journal of Occupational and Environmental Medicine</i> , 2016, 58, S44-S52.	0.9	32

#	ARTICLE	IF	CITATIONS
73	Low Adsorption of Magnetite Nanoparticles with Uniform Polyelectrolyte Coatings in Concentrated Brine on Model Silica and Sandstone. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 1522-1532.	1.8	31
74	A scalable workflow to characterize the human exposome. <i>Nature Communications</i> , 2021, 12, 5575.	5.8	31
75	Enhanced adsorption of perfluoro alkyl substances for <i>in situ</i> remediation. <i>Environmental Science: Water Research and Technology</i> , 2019, 5, 1867-1875.	1.2	30
76	Effects of ethanol addition on micellar solubilization and plume migration during surfactant enhanced recovery of tetrachloroethene. <i>Journal of Contaminant Hydrology</i> , 2004, 69, 73-99.	1.6	29
77	In Situ Remediation Method for Enhanced Sorption of Perfluoro-Alkyl Substances onto Ottawa Sand. <i>Journal of Environmental Engineering, ASCE</i> , 2018, 144, .	0.7	28
78	Effect of Tween surfactants on methanogenesis and microbial reductive dechlorination of hexachlorobenzene. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 1408-1416.	2.2	27
79	Experimental and Economic Assessment of Two Surfactant Formulations for Source Zone Remediation at a Former Dry Cleaning Facility. <i>Ground Water Monitoring and Remediation</i> , 2001, 21, 68-82.	0.6	27
80	Remediation of heavy hydrocarbon impacted soil using biopolymer and polystyrene foam beads. <i>Journal of Hazardous Materials</i> , 2018, 349, 153-159.	6.5	27
81	Resilience and recovery of <i>Dehalococcoides mccartyi</i> following low pH exposure. <i>FEMS Microbiology Ecology</i> , 2017, 93, .	1.3	26
82	Implications of Alcohol Partitioning Behavior for In Situ Density Modification of Entrapped Dense Nonaqueous Phase Liquids. <i>Environmental Science &amp; Technology</i> , 2002, 36, 104-111.	4.6	25
83	Refinement of the density-modified displacement method for efficient treatment of tetrachloroethene source zones. <i>Journal of Contaminant Hydrology</i> , 2004, 74, 105-131.	1.6	25
84	Resolution of Culture <i>Clostridium bifermentans</i> DPH-1 into Two Populations, a <i>Clostridium</i> sp. and Tetrachloroethene-Dechlorinating <i>Desulfitobacterium hafniense</i> Strain JH1. <i>Applied and Environmental Microbiology</i> , 2008, 74, 6141-6143.	1.4	25
85	Influence of dissolved oxygen on silver nanoparticle mobility and dissolution in water-saturated quartz sand. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	25
86	Improved Mobility of Magnetite Nanoparticles at High Salinity with Polymers and Surfactants. <i>Energy &amp; Fuels</i> , 2016, 30, 1915-1926.	2.5	25
87	Application of sieve-tray air strippers to the treatment of surfactant-containing wastewaters. <i>AIChE Journal</i> , 2001, 47, 1461-1470.	1.8	24
88	Experimental and Numerical Validation of the Total Trapping Number for Prediction of DNAPL Mobilization. <i>Environmental Science &amp; Technology</i> , 2007, 41, 8135-8141.	4.6	23
89	Effect of surface coating composition on quantum dot mobility in porous media. <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	23
90	Influence of surfactants on unsaturated water flow and solute transport. <i>Water Resources Research</i> , 2015, 51, 1977-1988.	1.7	23

#	ARTICLE	IF	CITATIONS
91	Modeling coupled nanoparticle aggregation and transport in porous media: A Lagrangian approach. <i>Journal of Contaminant Hydrology</i> , 2015, 172, 48-60.	1.6	23
92	Aqueous Film-Forming Foams Exhibit Greater Interfacial Activity than PFOA, PFOS, or FOSA. <i>Environmental Science &amp; Technology</i> , 2020, 54, 13590-13597.	4.6	22
93	Competitive Adsorption of Para-Xylene and Water Vapors on Calcium, Sodium, and Lithium-Saturated Kaolinite. <i>Journal of Environmental Quality</i> , 1992, 21, 419-426.	1.0	21
94	Population Screening for Biological and Environmental Properties of the Human Metabolic Phenotype. , 2016, , 167-211.		21
95	Aqueous Aggregation Behavior of Engineered Superparamagnetic Iron Oxide Nanoparticles: Effects of Oxidative Surface Aging. <i>Environmental Science &amp; Technology</i> , 2016, 50, 12789-12798.	4.6	21
96	Toxicity and biodegradability screening of nonionic surfactants using sediment-derived methanogenic consortia. <i>Water Science and Technology</i> , 1998, 38, 55-62.	1.2	19
97	Quantification of neurosteroids during pregnancy using selective ion monitoring mass spectrometry. <i>Steroids</i> , 2015, 95, 24-31.	0.8	19
98	Comment on "Uptake of Poly- and Perfluoroalkyl Substances at the Air-Water Interface". <i>Environmental Science &amp; Technology</i> , 2020, 54, 7019-7020.	4.6	19
99	Correspondence. Comment on "The surface area of soil organic matter". <i>Environmental Science &amp; Technology</i> , 1992, 26, 402-404.	4.6	18
100	Abiotic Degradation of Trichloroethylene under Thermal Remediation Conditions. <i>Environmental Science &amp; Technology</i> , 2005, 39, 6825-6830.	4.6	18
101	Electron donor availability for microbial reductive processes following thermal treatment. <i>Water Research</i> , 2011, 45, 6625-6636.	5.3	18
102	Spatial and temporal dynamics of organohalide-respiring bacteria in a heterogeneous PCE-DNAPL source zone. <i>Journal of Contaminant Hydrology</i> , 2015, 182, 78-90.	1.6	18
103	In-situ sequestration of perfluoroalkyl substances using polymer-stabilized ion exchange resin. <i>Journal of Hazardous Materials</i> , 2022, 422, 126960.	6.5	18
104	Fate of TCE in Heated Fort Lewis Soil. <i>Environmental Science &amp; Technology</i> , 2009, 43, 909-914.	4.6	17
105	Distribution of Organohalide-Respiring Bacteria between Solid and Aqueous Phases. <i>Environmental Science &amp; Technology</i> , 2014, 48, 10878-10887.	4.6	17
106	Multigenerational metabolic profiling in the Michigan PBB registry. <i>Environmental Research</i> , 2019, 172, 182-193.	3.7	17
107	Evaluation of a laboratory-scale bioreactive in situ sediment cap for the treatment of organic contaminants. <i>Water Research</i> , 2011, 45, 5365-5374.	5.3	16
108	Impacts of low-temperature thermal treatment on microbial detoxification of tetrachloroethene under continuous flow conditions. <i>Water Research</i> , 2018, 145, 21-29.	5.3	16

#	ARTICLE	IF	CITATIONS
109	The Effect of Heat Treatments on the Total Charge and Exchangeable Cations of Ca-, Na-, and Li-Saturated Kaolinite. <i>Clays and Clay Minerals</i> , 1991, 39, 306-315.	0.6	14
110	Microbially enhanced dissolution and reductive dechlorination of PCE by a mixed culture: Model validation and sensitivity analysis. <i>Journal of Contaminant Hydrology</i> , 2013, 151, 117-130.	1.6	14
111	Impact of chlorination on silver elution from ceramic water filters. <i>Water Research</i> , 2018, 142, 471-479.	5.3	14
112	Distribution and Abiotic Degradation of Chlorinated Solvents in Heated Field Samples. <i>Environmental Science &amp; Technology</i> , 2007, 41, 1729-1734.	4.6	13
113	25-Hydroxyvitamin D Depletion Does Not Exacerbate MPTP-Induced Dopamine Neuron Damage in Mice. <i>PLoS ONE</i> , 2012, 7, e39227.	1.1	13
114	Mathematical Modeling of the Transport and Dissolution of Citrate-Stabilized Silver Nanoparticles in Porous Media. <i>Environmental Science &amp; Technology</i> , 2013, 47, 130719135526002.	4.6	13
115	Influence of a polymer sunscreen additive on the transport and retention of titanium dioxide nanoparticles in water-saturated porous media. <i>Environmental Science: Nano</i> , 2016, 3, 157-168.	2.2	13
116	Development and Validation of a Two-Stage Kinetic Sorption Model for Polymer and Surfactant Transport in Porous Media. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4912-4921.	4.6	13
117	Targeted and Nontargeted Detection and Characterization of Trace Organic Chemicals in Human Serum and Plasma Using QuEChERS Extraction. <i>Toxicological Sciences</i> , 2021, 185, 77-88.	1.4	13
118	In situ measurement and simulation of nano-magnetite mobility in porous media subject to transient salinity. <i>Nanoscale</i> , 2015, 7, 1047-1057.	2.8	12
119	Solubility and reactivity of surfactant-enhanced alkaline hydrolysis of organophosphorus pesticide DNAPL. <i>Environmental Science and Pollution Research</i> , 2020, 27, 3428-3439.	2.7	12
120	A modified upward infiltration method for characterizing soil hydraulic properties. <i>Soil Science Society of America Journal</i> , 2002, 66, 57.	1.2	12
121	Influence of aqueous film forming foams on the solubility and mobilization of non-aqueous phase liquid contaminants in quartz sands. <i>Water Research</i> , 2021, 195, 116975.	5.3	11
122	Developmental exposure to DDT or DDE alters sympathetic innervation of brown adipose in adult female mice. <i>Environmental Health</i> , 2021, 20, 37.	1.7	10
123	Bioenhanced back diffusion and population dynamics of <i>Dehalococcoides mccartyi</i> strains in heterogeneous porous media. <i>Chemosphere</i> , 2020, 254, 126842.	4.2	10
124	Identification of known and novel nonpolar endocrine disruptors in human amniotic fluid. <i>Environment International</i> , 2022, 158, 106904.	4.8	10
125	A Nondimensional Evaluation of Tracer Sensitivity to Density Effects. <i>Ground Water</i> , 2000, 38, 226-233.	0.7	9
126	Release of Electron Donors during Thermal Treatment of Soils. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3642-3651.	4.6	9



#	ARTICLE	IF	CITATIONS
127	Groundwater quality. <i>Water Environment Research</i> , 1997, 69, 777-844.	1.3	8
128	Liquid~Liquid Mass Transfer of Partitioning Electron Donors in Chlorinated Solvent Source Zones. <i>Environmental Science &amp; Technology</i> , 2011, 45, 1547-1554.	4.6	8
129	Simulation of magnetite nanoparticle mobility in a heterogeneous flow cell. <i>Environmental Science: Nano</i> , 2017, 4, 1512-1524.	2.2	8
130	Polyelectrolyte coated individual silica nanoparticles dispersed in concentrated divalent brine at elevated temperatures for subsurface energy applications. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 586, 124276.	2.3	8
131	Sorption and Retardation of Organic Contaminants in Subsurface Systems: Effects on Transport and Fate. , 1996, , 1-31.		8
132	Influence of Residual Nonaqueous-Phase Liquids (NAPLs) on the Transport and Retention of Perfluoroalkyl Substances. <i>Environmental Science &amp; Technology</i> , 2022, 56, 7976-7985.	4.6	8
133	Optimized System to Improve Pumping Rate Stability During Aquifer Tests. <i>Ground Water</i> , 2002, 40, 629-637.	0.7	7
134	Sorption of Para~Xylene Vapors on Salt~Treated Soils Measured by Flow~Equilibration and Gas Chromatography Methods. <i>Journal of Environmental Quality</i> , 1993, 22, 521-527.	1.0	6
135	Effect of rhamnolipid biosurfactant on transport and retention of iron oxide nanoparticles in water-saturated quartz sand. <i>Environmental Science: Nano</i> , 2021, 8, 311-327.	2.2	6
136	Exploration of processes governing microbial reductive dechlorination in a heterogeneous aquifer flow cell. <i>Water Research</i> , 2021, 193, 116842.	5.3	6
137	Source Remediation Challenges. <i>SERDP and ESTCP Remediation Technology Monograph Series</i> , 2012, , 239-276.	0.3	6
138	Detection of Chlorinated Hydrocarbons in Aqueous Surfactant Solutions by Near-IR Raman Spectroscopy. <i>Applied Spectroscopy</i> , 1995, 49, 1146-1150.	1.2	5
139	Transport and Retention of Nanomaterials in Porous Media. , 0, , 91-106.		5
140	Tetrachloroethene Release and Degradation During Combined ERH and Sodium Persulfate Oxidation. <i>Ground Water Monitoring and Remediation</i> , 2017, 37, 43-50.	0.6	5
141	Comment on "A re-assessment of the safety of silver in household water treatment: rapid systematic review of mammalian in vivo genotoxicity studies". <i>Environmental Health</i> , 2017, 16, 121.	1.7	5
142	Delineating the Relationship between Nanoparticle Attachment Efficiency and Fluid Flow Velocity. <i>Environmental Science &amp; Technology</i> , 2020, 54, 13992-13999.	4.6	5
143	Integrated molecular response of exposure to traffic-related pollutants in the US trucking industry. <i>Environment International</i> , 2022, 158, 106957.	4.8	5
144	Cross-species metabolomic analysis of tau- and DDT-related toxicity. , 2022, 1, .		5

#	ARTICLE	IF	CITATIONS
145	Impacts of Surfactant Adjuvants on Pesticide Availability and Transport in Soils. ACS Symposium Series, 2003, , 231-245.	0.5	4
146	The influence of cosolvent and heat on the solubility and reactivity of organophosphorous pesticide DNAPL alkaline hydrolysis. Environmental Science and Pollution Research, 2016, 23, 22658-22666.	2.7	4
147	A two-step gas chromatography-tandem mass spectrometry method for measurement of multiple environmental pollutants in human plasma. Environmental Science and Pollution Research, 2021, 28, 3266-3279.	2.7	4
148	Noncovalent grafting of polyelectrolytes onto hydrophobic polymer colloids with a swelling agent. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 457-464.	2.3	4
149	Influence of Nonionic Surfactants on the Bioavailability of Hexachlorobenzene for Microbial Reductive Dechlorination. ACS Symposium Series, 2002, , 449-466.	0.5	3
150	Comparison of PCE and TCE disappearance in heated volatile organic analysis vials and flame-sealed ampules. Chemosphere, 2008, 70, 2060-2067.	4.2	3
151	Quantification of experimental subsurface fluid saturations from high-resolution source zone images. Water Resources Research, 2012, 48, .	1.7	3
152	Pregnant women with more seizures have lower allopregnanolone concentrations. Epilepsy Research, 2021, 177, 106778.	0.8	3
153	Surfactant And Cosolvent Flushing. , 2014, , 353-394.		3
154	Enhancing PCB bioremediation. , 2005, , 147-214.		3
155	Effects of rhamnolipid biosurfactant on the dissolution and transport of silver nanoparticles in porous media. Environmental Science: Nano, 2021, 8, 2492-2506.	2.2	2
156	Effect of Tween surfactants on methanogenesis and microbial reductive dechlorination of hexachlorobenzene. , 1999, 18, 1408.		2
157	Groundwater quality. Water Environment Research, 1998, 70, 807-895.	1.3	1
158	In Situ Density Modification of Entrapped Dense Nonaqueous-phase Liquids (DNAPLs) Using Surfactant/Alcohol Solutions. , 2002, , 271-283.		1
159	Development and experimental evaluation of a mathematical model to predict polymer-enhanced nanoparticle mobility in heterogeneous formations. Environmental Science: Nano, 2021, 8, 470-484.	2.2	1
160	Groundwater quality. Water Environment Research, 1996, 68, 662-720.	1.3	0
161	Groundwater Quality. Water Environment Research, 1999, 71, 973-1053.	1.3	0
162	Groundwater Quality. Water Environment Research, 2001, 73, 1308-1467.	1.3	0

#	ARTICLE	IF	CITATIONS
163	Groundwater Quality. Water Environment Research, 2002, 74, 1239-1370.	1.3	0
164	Effects of Cosolvent Addition on Surfactant Enhanced Recovery of Tetrachloroethene (PCE) from a Heterogeneous Porous Medium. , 2002, , 285-306.		0
165	Neurotoxicity of Manufactured Nanoparticles. , 0, , 405-428.		0
166	Source Control and Chemical Remediation of Contaminated Groundwater Sites. , 2011, , 475-521.		0
167	Gestational Perfluorooctanoate Exposure and Childhood Metabolome at Age 8 Years. ISEE Conference Abstracts, 2021, 2021, .	0.0	0
168	INNOVATIVE TECHNOLOGIES FOR CHLORINATED SOLVENT REMEDIATION. , 2014, , .		0