

Danny D Reible

List of Publications by Year in descending order

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174
papers

3,713
citations

136740

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182168

51
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182
all docs

182
docs citations

182
times ranked

3181
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#	ARTICLE	IF	CITATIONS
1	Convective transport within stable river sediments. <i>Water Resources Research</i> , 1987, 23, 1763-1768.	1.7	178
2	Passive sampling methods for contaminated sediments: Practical guidance for selection, calibration, and implementation. <i>Integrated Environmental Assessment and Management</i> , 2014, 10, 210-223.	1.6	122
3	Contaminant fluxes from sediment due to tubificid oligochaete bioturbation. <i>Water Research</i> , 1996, 30, 704-714.	5.3	113
4	Mathematical model for interactions and transport of phosphorus and sediment in the Three Gorges Reservoir. <i>Water Research</i> , 2015, 85, 393-403.	5.3	113
5	Regional Variation in Water-Related Impacts of Shale Gas Development and Implications for Emerging International Plays. <i>Environmental Science & Technology</i> , 2014, 48, 8298-8306.	4.6	111
6	Environmental assessment of heavy metal transport and transformation in the Hangzhou Bay, China. <i>Journal of Hazardous Materials</i> , 2016, 302, 447-457.	6.5	91
7	A review on sediment biofloculation: Dynamics, influencing factors and modeling. <i>Science of the Total Environment</i> , 2018, 642, 1184-1200.	3.9	83
8	Evaluating the Effectiveness of Contaminated-Sediment Dredging. <i>Environmental Science & Technology</i> , 2008, 42, 5042-5047.	4.6	81
9	Effect of Applied Voltage, Initial Concentration, and Natural Organic Matter on Sequential Reduction/Oxidation of Nitrobenzene by Graphite Electrodes. <i>Environmental Science & Technology</i> , 2012, 46, 6174-6181.	4.6	71
10	Efficiency of capping contaminated sediments in situ. 2. Mathematics of diffusion-adsorption in the capping layer. <i>Environmental Science & Technology</i> , 1993, 27, 2412-2419.	4.6	67
11	Predicting the Performance of Activated Carbon-, Coke-, and Soil-Amended Thin Layer Sediment Caps. <i>Journal of Environmental Engineering, ASCE</i> , 2006, 132, 787-794.	0.7	67
12	Selenium in sediments, pore waters and benthic infauna of Lake Macquarie, New South Wales, Australia. <i>Marine Environmental Research</i> , 1999, 47, 491-508.	1.1	66
13	Assessing and Managing Contaminated Sediments: Part I, Developing an Effective Investigation and Risk Evaluation Strategy. <i>Integrated Environmental Assessment and Management</i> , 2005, 1, 2.	1.6	66
14	Predicting bioavailability of PAHs and PCBs with porewater concentrations measured by solid-phase microextraction fibers. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1109-1116.	2.2	64
15	Comparison of polymeric samplers for accurately assessing PCBs in pore waters. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1288-1296.	2.2	61
16	Passive sampling methods for contaminated sediments: State of the science for metals. <i>Integrated Environmental Assessment and Management</i> , 2014, 10, 179-196.	1.6	59
17	Aqueous-phase oxidation: the intrinsic kinetics of single organic compounds. <i>Industrial & Engineering Chemistry Research</i> , 1987, 26, 148-154.	1.8	54
18	Development and Placement of a Sorbent-Amended Thin Layer Sediment Cap in the Anacostia River. <i>Soil and Sediment Contamination</i> , 2007, 16, 313-322.	1.1	51

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19	Active capping demonstration in the Anacostia river, Washington, D.C.. Remediation, 2006, 17, 39-53.	1.1	49
20	Effects of cyclic changes in pH and salinity on metals release from sediments. Environmental Toxicology and Chemistry, 2011, 30, 1775-1784.	2.2	49
21	Assessing the Effectiveness of Thin-Layer Sand Caps for Contaminated Sediment Management through Passive Sampling. Environmental Science & Technology, 2011, 45, 8437-8443.	4.6	48
22	Relative Importance of Ingested Sediment Versus Pore Water as Uptake Routes for PAHs to the Deposit-Feeding Oligochaete <i>Limnodrilus templetoni</i> . Archives of Environmental Contamination and Toxicology, 2004, 47, 207-14.	2.1	45
23	Sequestering Agents for Active Caps' Remediation of Metals and Organics. Soil and Sediment Contamination, 2008, 17, 516-532.	1.1	43
24	Assessing and Managing Contaminated Sediments: Part II, Evaluating Risk and Monitoring Sediment Remedy Effectiveness. Integrated Environmental Assessment and Management, 2005, 1, e1.	1.6	39
25	Advancing the Use of Passive Sampling in Risk Assessment and Management of Sediments Contaminated with Hydrophobic Organic Chemicals: Results of an International Ex Situ Passive Sampling Interlaboratory Comparison. Environmental Science & Technology, 2018, 52, 3574-3582.	4.6	38
26	Frontiers of Membrane Desalination Processes for Brackish Water Treatment: A Review. Membranes, 2021, 11, 246.	1.4	38
27	Infiltration of Immiscible Contaminants in the Unsaturated Zone. Ground Water, 1990, 28, 685-692.	0.7	37
28	Simulation of soil washing with surfactants. Journal of Hazardous Materials, 1998, 59, 107-122.	6.5	37
29	Bioturbation-Driven Transport of Hydrophobic Organic Contaminants from Bed Sediment. Environmental Engineering Science, 2001, 18, 215-223.	0.8	37
30	Bioavailability of desorption-resistant phenanthrene to the oligochaete <i>Limnodrilus templetoni</i> . Environmental Toxicology and Chemistry, 2003, 22, 153-160.	2.2	36
31	Immobilization of phosphorus in sediments by nano zero-valent iron (nZVI) from the view of mineral composition. Science of the Total Environment, 2019, 694, 133695.	3.9	36
32	Transport of Dissolved Organic Carbon-Derived Natural Colloids from Bed Sediments to Overlying Water: Laboratory Simulations. Water Science and Technology, 1993, 28, 139-147.	1.2	34
33	Predicting contaminant fate and transport in sediment caps: Mathematical modelling approaches. Applied Geochemistry, 2009, 24, 1347-1353.	1.4	34
34	An Analytical Modeling Approach for Evaluation of Capping of Contaminated Sediments. Soil and Sediment Contamination, 2009, 18, 470-488.	1.1	33
35	Pyrene bioaccumulation, effects of pyrene exposure on particle-size selection, and fecal pyrene content in the oligochaete <i>Limnodrilus hoffmeisteri</i> (Tubificidae, Oligochaeta). Environmental Toxicology and Chemistry, 2001, 20, 1359-1366.	2.2	32
36	Comparison of the Long-Term Risks of Removal and <i>In Situ</i> Management of Contaminated Sediments in the Fox River. Soil and Sediment Contamination, 2003, 12, 325-344.	1.1	32

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37	BIOAVAILABILITY OF POLYCYCLIC AROMATIC HYDROCARBONS IN FIELD-CONTAMINATED ANACOSTIA RIVER (WASHINGTON, DC) SEDIMENT. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2869.	2.2	31
38	Remedy performance monitoring at contaminated sediment sites using profiling solid phase microextraction (SPME) polydimethylsiloxane (PDMS) fibers. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 445-452.	1.7	31
39	Positioning activated carbon amendment technologies in a novel framework for sediment management. <i>Integrated Environmental Assessment and Management</i> , 2015, 11, 221-234.	1.6	31
40	Bioaccessibility of polycyclic aromatic hydrocarbons in activated carbon or biochar amended vegetated (<i>Salix viminalis</i>) soil. <i>Environmental Pollution</i> , 2017, 227, 406-413.	3.7	31
41	A Laboratory Study of Sediment and Contaminant Release during Gas Ebullition. <i>Journal of the Air and Waste Management Association</i> , 2007, 57, 1103-1111.	0.9	28
42	Electro-bioremediation of contaminated sediment by electrode enhanced capping. <i>Journal of Environmental Management</i> , 2015, 155, 154-161.	3.8	28
43	Ex situ determination of freely dissolved concentrations of hydrophobic organic chemicals in sediments and soils: basis for interpreting toxicity and assessing bioavailability, risks and remediation necessity. <i>Nature Protocols</i> , 2020, 15, 1800-1828.	5.5	27
44	Impacts of Sediment Particle Grain Size and Mercury Speciation on Mercury Bioavailability Potential. <i>Environmental Science & Technology</i> , 2021, 55, 12393-12402.	4.6	27
45	Aqueous-phase oxidation: rate enhancement studies. <i>Industrial & Engineering Chemistry Research</i> , 1987, 26, 606-612.	1.8	26
46	Biogeochemical Changes and Mercury Methylation beneath an In-Situ Sediment Cap. <i>Environmental Science & Technology</i> , 2010, 44, 7280-7286.	4.6	26
47	Acid volatile sulfides oxidation and metals (Mn, Zn) release upon sediment resuspension: Laboratory experiment and model development. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 564-575.	2.2	26
48	Diffusion Models of Environmental Transport. , 0, , .		26
49	A quasiâ€steadyâ€state pollutant flux methodology for determining sediment quality criteria. <i>Environmental Toxicology and Chemistry</i> , 1997, 16, 391-396.	2.2	25
50	BIOAVAILABILITY AND ASSIMILATION OF SEDIMENT-ASSOCIATED BENZO[a]PYRENE BY ILYODRILLUS TEMPLETONI (OLIGOCHAETA). <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 57.	2.2	25
51	Redox Control and Hydrogen Production in Sediment Caps Using Carbon Cloth Electrodes. <i>Environmental Science & Technology</i> , 2010, 44, 8209-8215.	4.6	25
52	Effects of roughness and permeability on solute transfer at the sediment water interface. <i>Water Research</i> , 2018, 129, 39-50.	5.3	25
53	A sediment ecotoxicity assessment platform for in situ measures of chemistry, bioaccumulation and toxicity. Part 2: Integrated application to a shallow estuary. <i>Environmental Pollution</i> , 2012, 162, 457-465.	3.7	24
54	A sediment ecotoxicity assessment platform for in situ measures of chemistry, bioaccumulation and toxicity. Part 1: System description and proof of concept. <i>Environmental Pollution</i> , 2012, 162, 449-456.	3.7	24

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55	Suggested Reporting Parameters for Investigations of Wastewater from Unconventional Shale Gas Extraction. <i>Environmental Science & Technology</i> , 2013, 47, 13220-13221.	4.6	24
56	Effect of surface heterogeneity on phosphorus adsorption onto mineral particles: experiments and modeling. <i>Journal of Soils and Sediments</i> , 2017, 17, 2887-2898.	1.5	24
57	Link between black carbon and resistant desorption of PAHs on soil and sediment. <i>Journal of Soils and Sediments</i> , 2012, 12, 713-723.	1.5	23
58	Long-term PAH monitoring results from the Anacostia River active capping demonstration using polydimethylsiloxane (PDMS) fibers. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 554.	1.7	23
59	Wetland Plant Uptake of Desorption-Resistant Organic Compounds from Sediments. <i>Environmental Science & Technology</i> , 2006, 40, 3229-3236.	4.6	21
60	Modeling technologies for desalination of brackish water " toward a sustainable water supply. <i>Current Opinion in Chemical Engineering</i> , 2019, 26, 104-111.	3.8	21
61	Bioavailability of desorption-resistant phenanthrene to the oligochaete <i>Llyodrilus templetoni</i> . <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 153-60.	2.2	21
62	Air Emissions from Exposed Contaminated Sediments and Dredged Material. <i>Environmental Science & Technology</i> , 1999, 33, 142-149.	4.6	20
63	DESORPTION RESISTANCE OF POLYCYCLIC AROMATIC HYDROCARBONS AND DURATION OF EXPOSURE. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 2827.	2.2	20
64	Toxic and Contaminant Concerns Generated by Hurricane Katrina. <i>Journal of Environmental Engineering, ASCE</i> , 2006, 132, 565-566.	0.7	20
65	Sediment pore water distribution coefficients of PCB congeners in enriched black carbon sediment. <i>Environmental Pollution</i> , 2013, 182, 357-363.	3.7	20
66	Stochastic modeling of phosphorus transport in the Three Gorges Reservoir by incorporating variability associated with the phosphorus partition coefficient. <i>Science of the Total Environment</i> , 2017, 592, 649-661.	3.9	20
67	Air emissions from exposed, contaminated sediments and dredged materials 1. Experimental data in laboratory microcosms and mathematical modelling. <i>Journal of Hazardous Materials</i> , 1997, 54, 65-87.	6.5	19
68	Comprehensive thermodynamic modeling of saline water with electrolyte NRTL model: A study on aqueous Ba ²⁺ -Na ⁺ -Cl ⁻ -SO ₄ ²⁻ quaternary system. <i>Fluid Phase Equilibria</i> , 2017, 447, 29-38.	1.4	19
69	Comprehensive thermodynamic modeling of saline water with electrolyte NRTL model: A study of aqueous Sr ²⁺ -Na ⁺ -Cl ⁻ -SO ₄ ²⁻ quaternary system. <i>Fluid Phase Equilibria</i> , 2018, 470, 221-231.	1.4	18
70	MODELING BIPHASIC SORPTION AND DESORPTION OF HYDROPHOBIC ORGANIC CONTAMINANTS IN SEDIMENTS. <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 3133.	2.2	17
71	Vacuum extraction of a nonaqueous phase residual in a heterogeneous vadose zone. <i>Journal of Hazardous Materials</i> , 1996, 49, 247-265.	6.5	16
72	In-Situ Control of DNAPL Density Using Polyaphrons. <i>Environmental Science & Technology</i> , 2003, 37, 4487-4493.	4.6	16

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73	Modeling multicomponent ion transport to investigate selective ion removal in electro dialysis. Environmental Science and Ecotechnology, 2020, 1, 100007.	6.7	16
74	A levy flight random walk model for bioturbation. Environmental Toxicology and Chemistry, 2002, 21, 875-881.	2.2	15
75	A software tool for simulating contaminant transport and remedial effectiveness in sediment environments. Environmental Modelling and Software, 2018, 109, 104-113.	1.9	15
76	Multimedia Chemical Fate Model for Environmental Dredging. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2002, 6, 120-128.	0.4	14
77	A Model for Contaminant and Sediment Transport via Gas Ebullition Through a Sediment Cap. Environmental Engineering Science, 2009, 26, 1381-1391.	0.8	14
78	Combined Effects of Plant Cultivation and Sorbing Carbon Amendments on Freely Dissolved PAHs in Contaminated Soil. Environmental Science & Technology, 2019, 53, 4860-4868.	4.6	14
79	Phosphorus adsorption by sediment considering mineral composition and environmental factors. Environmental Science and Pollution Research, 2021, 28, 17495-17505.	2.7	14
80	Seasonal trends of mercury bioaccumulation and assessment of toxic effects in Asian clams and microbial community from field study of estuarine sediment. Environmental Research, 2022, 212, 113439.	3.7	14
81	Testing a multimedia compartmental model with monitoring data. Environmental Toxicology and Chemistry, 2001, 20, 2114-2121.	2.2	13
82	An analytical solution for one-dimensional advective dispersive solute equation in multilayered finite porous media. Transport in Porous Media, 2015, 107, 657-666.	1.2	13
83	The effects of hydrogen bonding on the shear viscosity of liquid water. International Journal of Sediment Research, 2019, 34, 8-13.	1.8	13
84	A Levy flight-random walk model for bioturbation. Environmental Toxicology and Chemistry, 2002, 21, 875-81.	2.2	13
85	Loss of methyl bromide to the atmosphere during soil fumigation. Journal of Hazardous Materials, 1994, 37, 431-444.	6.5	12
86	PAH degradation and redox control in an electrode enhanced sediment cap. Journal of Chemical Technology and Biotechnology, 2012, 87, 1222-1228.	1.6	12
87	A Physical Model for the Simulation of Bioturbation and Its Comparison to Experiments with Oligochaetes. Estuaries and Coasts, 1998, 21, 255.	1.7	11
88	An analytical model for the fate and transport of performance reference compounds and target compounds around cylindrical passive samplers. Chemosphere, 2019, 232, 489-495.	4.2	11
89	Thermodynamic modeling of calcium carbonate scale precipitation: aqueous Na ⁺ -Ca ²⁺ -Cl ⁻ -HCO ₃ ⁻ -CO ₃ ²⁻ -CO ₂ system. Fluid Phase Equilibria, 2022, 552, 113263.	1.4	11
90	Modeling Short Range Air Dispersion from Area Sources of Non-buoyant Toxics. Journal of the Air and Waste Management Association, 1990, 40, 1121-1128.	0.2	10

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91	Modeling the dynamics of the land-sea breeze circulation for air quality modeling. <i>Boundary-Layer Meteorology</i> , 1992, 59, 163-175.	1.2	10
92	Three-dimensional modeling of reaction injection molding. I. <i>Polymer Engineering and Science</i> , 1994, 34, 1393-1400.	1.5	10
93	Flow and transport modeling in the sea-breeze. Part I: A modified E ? ? model with a non-equilibrium level 2.5 closure. <i>Boundary-Layer Meteorology</i> , 1995, 75, 109-140.	1.2	10
94	Flow and transport modeling in the sea-breeze part II: Flow model application and pollutant transport. <i>Boundary-Layer Meteorology</i> , 1995, 75, 209-234.	1.2	10
95	Assessment of potential anaerobic biotransformation of organic pollutants in sediment caps. <i>New Biotechnology</i> , 2012, 30, 80-87.	2.4	10
96	Significant spatial variability of bioavailable PAHs in water column and sediment porewater in the Gulf of Mexico 1Åyear after the Deepwater Horizon oil spill. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 646.	1.3	10
97	Foodâ€energyâ€water nexus to mitigate sustainability challenges in a groundwater reliant agriculturally dominant environment (GRADE). <i>Environmental Progress and Sustainable Energy</i> , 2018, 37, 21-36.	1.3	10
98	Assessing sediment recontamination from metals in stormwater. <i>Science of the Total Environment</i> , 2020, 737, 139726.	3.9	10
99	Powdered activated carbon (PAC) amendment enhances naphthalene biodegradation under strictly sulfate-reducing conditions. <i>Environmental Pollution</i> , 2021, 268, 115641.	3.7	10
100	Effects of Roughness Reynolds Number on Scalar Transfer Mechanisms at the Sedimentâ€Water Interface. <i>Water Resources Research</i> , 2019, 55, 6811-6824.	1.7	9
101	Bioavailability assessment in activated carbon treated coastal sediment with in situ and ex situ porewater measurements. <i>Water Research</i> , 2020, 185, 116259.	5.3	9
102	Associations between Polychlorinated Biphenyls and Suspended Solids in Natural Waters: An Evaluation of the Uptake Rate by Particles. <i>Water Science and Technology</i> , 1993, 28, 215-221.	1.2	9
103	Sedimentâ€air equilibrium partitioning of semi-volatile hydrophobic organic compounds. Part 1. Method development and water vapor sorption isotherm. <i>Science of the Total Environment</i> , 2000, 253, 15-26.	3.9	8
104	Electrochemical Stimulation of PAH Biodegradation in Sediment. <i>Soil and Sediment Contamination</i> , 2015, 24, 143-156.	1.1	8
105	Evaluating the transport of Hg(II) in the presence of natural organic matter through a diffusive gradient in a thin-film passive sampler. <i>Science of the Total Environment</i> , 2020, 749, 141217.	3.9	8
106	Capping for Remediation of Contaminated Sediments. <i>SERDP and ESTCP Remediation Technology Monograph Series</i> , 2014, , 325-363.	0.3	8
107	Modeling gasoline fate and transport in the unsaturated zone. <i>Journal of Hazardous Materials</i> , 1989, 22, 359-376.	6.5	7
108	Stochastic modeling of flow and transport in deep-well injection disposal systems. <i>Journal of Hazardous Materials</i> , 1993, 34, 313-333.	6.5	7

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109	Containment Processes in Sediments. , 2008, , 959-981.		7
110	Modeling the Effect of pH and Salinity on Biogeochemical Reactions and Metal Behavior in Sediment. Water, Air, and Soil Pollution, 2014, 225, 1.	1.1	7
111	Modeling Compound Loss from Polydimethylsiloxane Passive Samplers. Chromatography (Basel), 2015, 2, 611-624.	1.2	7
112	The use of chlorate, nitrate, and perchlorate to promote crude oil mineralization in salt marsh sediments. Environmental Science and Pollution Research, 2015, 22, 15377-15385.	2.7	7
113	Estimation of Interstitial Velocity Using a Direct Drive High-Resolution Passive Profiler. Ground Water, 2019, 57, 915-924.	0.7	7
114	Laboratory Simulation of Diffusion in Contaminated Marine Sediments. Estuaries and Coasts, 1990, 13, 81.	1.7	6
115	Sediment-air equilibrium partitioning of semi-volatile hydrophobic organic compounds Part 2. Saturated vapor pressures, and the effects of sediment moisture content and temperature on the partitioning of polyaromatic hydrocarbons. Science of the Total Environment, 2000, 253, 27-44.	3.9	6
116	Volatile Emissions from Variable Moisture Content Sediments. Environmental Engineering Science, 2001, 18, 279-289.	0.8	6
117	Using in situ solid phase microextraction (SPME) for depth profiling in sediments treated with activated carbon. Journal of Soils and Sediments, 2014, 14, 1013-1020.	1.5	6
118	Seasonal Toxicity Observed with Amphipods (Eohaustorius estuarius) at Paleta Creek, San Diego Bay, USA. Environmental Toxicology and Chemistry, 2020, 39, 229-239.	2.2	6
119	Exploring the Function of Ion-Exchange Membrane in Membrane Capacitive Deionization via a Fully Coupled Two-Dimensional Process Model. Processes, 2020, 8, 1312.	1.3	6
120	Development of polyoxymethylene passive sampler for assessing air concentrations of PCBs at a confined disposal facility (CDF). Environmental Pollution, 2020, 265, 114720.	3.7	6
121	Theoretical Analysis of Constant Voltage Mode Membrane Capacitive Deionization for Water Softening. Membranes, 2021, 11, 231.	1.4	6
122	Removal of Polycyclic Aromatic Hydrocarbons from Water Using Mn(III)-Based Advanced Oxidation Process. Journal of Environmental Engineering, ASCE, 2021, 147, 04021002.	0.7	6
123	Developing reflective engineers through an arts-incorporated graduate course: A curriculum inquiry. Thinking Skills and Creativity, 2021, 42, 100909.	1.9	6
124	Development of a Laboratory Procedure to Evaluate the Consolidation Potential of Soft Contaminated Sediments. Geotechnical Testing Journal, 2011, 34, 467-475.	0.5	6
125	Observations of mercury fate and transport beneath a sediment cap. Land Contamination and Reclamation, 2007, 15, 401-411.	0.4	6
126	The development of diffusive equilibrium, high-resolution passive samplers to measure perfluoroalkyl substances (PFAS) in groundwater. Chemosphere, 2022, 303, 134686.	4.2	6

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127	Analysis of fouling mechanism in ultrafiltration of produced water. Journal of Water Process Engineering, 2022, 49, 102978.	2.6	6
128	THE USE OF COARSE, SEPARABLE, CONDENSED-PHASE ORGANIC CARBON PARTICLES TO CHARACTERIZE DESORPTION RESISTANCE OF POLYCYCLIC AROMATIC HYDROCARBONS IN CONTAMINATED SEDIMENTS. Environmental Toxicology and Chemistry, 2007, 26, 1380.	2.2	5
129	After the oil is no longer leaking.. .. Environmental Science & Technology, 2010, 44, 5685-5686.	4.6	5
130	Role of Bioroughness, Bioirrigation, and Turbulence on Oxygen Dynamics at the Sedimentâ€Water Interface. Water Resources Research, 2019, 55, 8061-8075.	1.7	5
131	Assessing Biota Accumulation Due to Contamination of Sediments by Storm Water Heavy Metals. Environmental Toxicology and Chemistry, 2020, 39, 2475-2484.	2.2	5
132	Application of polyoxymethylene passive air sampler to monitor hydrophobic organics in air around a confined disposal facility. Chemosphere, 2021, 263, 127827.	4.2	5
133	Sorbent-Amended â€œActiveâ€ Sediment Caps for in-Place Management of PCB-Contaminated Sediments. , 2006, , 379-391.		5
134	Environmental Impacts of Hydraulic Fracturing. , 2016, , 199-219.		5
135	Roles of Tidal Cycling, Hyporheic Exchange and Bioirrigation on Metal Release From Estuary Sediments. Water Resources Research, 2022, 58, .	1.7	5
136	Transport process of TNT from flooded highly contaminated surface soil bed. Journal of Environmental Science and Health Part A: Environmental Science and Engineering, 1996, 31, 2515-2532.	0.1	4
137	The Efficiency of Capping to Control Air Emissions from Exposed Contaminated Sediments and Dredged Material. Environmental Engineering Science, 2000, 17, 97-106.	0.8	4
138	Evaluation of the physical stability, groundwater seepage control, and faunal changes associated with an AquaBlokÂ® sediment cap. Remediation, 2008, 18, 63-70.	1.1	4
139	Fostering Reflective Engineers : Outcomes of an Arts- and Humanities-Infused Graduate Course. , 2018, , .		4
140	Harnessing a decade of data to inform future decisions: Insights into the ongoing hydrocarbon release at Taylor Energy's Mississippi Canyon Block 20 (MC20) site. Marine Pollution Bulletin, 2020, 155, 111056.	2.3	4
141	The effects of adsorptive materials on microbial community composition and PAH degradation at the sediment capâ€water interface. International Journal of Sediment Research, 2021, 36, 555-565.	1.8	4
142	Effects of bedform migration on nutrient fluxes at the sedimentâ€water interface: a theoretical analysis. Environmental Fluid Mechanics, 2022, 22, 447-466.	0.7	4
143	Three-dimensional modeling of reaction injection molding. II: Application. Polymer Engineering and Science, 1994, 34, 1401-1405.	1.5	3
144	Assessment feasibility of <i>in-situ&/i> capping and contaminant mobility in NAPL-contaminated sediments. International Journal of Geotechnical Engineering, 2010, 4, 71-78.	1.1	3

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145	Letter to the Editor Regarding, "Crossing Turbulent Boundaries: Interfacial Flux in Environment Flows" Environmental Science & Technology, 2012, 46, 1293-1294.	4.6	3
146	Assessing Bioavailability of Hydrophobic Organic Compounds and Metals in Sediments Using Freely Available Porewater Concentrations. SERDP and ESTCP Remediation Technology Monograph Series, 2014, , 177-196.	0.3	3
147	Treatment and Containment of Contaminated Sediments. , 2006, , 137-178.		3
148	Aqueous Phase Oxidation: The Effect of Soil on Oxidation Kinetics. Hazardous Waste and Hazardous Materials, 1988, 5, 65-71.	0.4	2
149	Effects of Oil and Grease on the Vaporization of Organic Compounds from Contaminated Sediments. Environmental Engineering Science, 2002, 19, 101-113.	0.8	2
150	Laboratory Simulation of Chemical Evaporation from Dredge-Produced Sediment Slurries. Environmental Engineering Science, 2004, 21, 730-740.	0.8	2
151	Cathodic Hydrogen as Electron Donor in Enhanced Reductive Dechlorination. Chinese Journal of Chemical Engineering, 2013, 21, 1386-1390.	1.7	2
152	Catalytic Sorption of (Chloro)Benzene and Naphthalene in Aqueous Solutions by Granular Activated Carbon Supported Bimetallic Iron and Palladium Nanoparticles. ISRN Nanotechnology, 2013, 2013, 1-8.	1.3	2
153	Biological Natural Attenuation and Contaminant Oxidation in Sediment Caps: Recent Advances and Future Opportunities. Current Pollution Reports, 2020, 6, 281-294.	3.1	2
154	A QUASI-STEADY-STATE POLLUTANT FLUX METHODOLOGY FOR DETERMINING SEDIMENT QUALITY CRITERIA. Environmental Toxicology and Chemistry, 1997, 16, 391.	2.2	2
155	Characterizing toluene adsorption onto carbon nanotubes for environmental applications. , 0, 60, 218-227.		2
156	The Performance of Organophilic Clay on Nonaqueous Phase Liquid Contaminated Sediments Under Anisotropic Consolidation. , 2012, , 1-13.		2
157	In Situ Passive Sampling to Monitor Long Term Cap Effectiveness at a Tidally Influenced Shoreline. Toxics, 2022, 10, 106.	1.6	2
158	Interlaboratory Study of Polyethylene and Polydimethylsiloxane Polymeric Samplers for Ex Situ Measurement of Freely Dissolved Hydrophobic Organic Compounds in Sediment Porewater. Environmental Toxicology and Chemistry, 2022, , .	2.2	2
159	Consistent unconfined contaminated disposal facilities dike tidal flow and transport model. Environmental Modelling and Software, 2005, 20, 1071-1079.	1.9	1
160	Steady-State Model of Chemical Migration in a Sediment Cap. , 2008, , 161-178.		1
161	Modeling of Funnel and Gate Systems for Remediation of Contaminated Sediment. Environmental Science and Engineering, 2013, , 391-400.	0.1	1
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