Charles J Newell

List of Publications by Year
in descending order

64 papers	2,123 citations	304743 22 h-index	289244 40 g-index
68 all docs	68 docs citations	68 times ranked	1443 citing authors

#	Article	IF	Citations
1	PFAS Experts Symposium 2: PFAS Remediation research â€“ Evolution from past to present, current efforts, and potential futures. Remediation, 2022, 32, 65-73.	2.4	9
2	Characterization of relevant site-specific PFAS fate and transport processes at multiple AFFF sites. Environmental Advances, 2022, 7, 100167.	4.8	24
3	Development of a Quantitative Framework for Evaluating Natural Attenuation of 1,1,<scp>1â€TCA</scp>, 1,<scp>1â€DCA</scp>, 1,<scp>1â€DCE</scp>, and 1,<scp>4â€Dioxane</scp>in Groundwater. Ground Water Monitoring and Remediation, 2022, 42, 78-84.	0.8	6
4	Modeling a well-characterized perfluorooctane sulfonate (PFOS) source and plume using the REMChlor-MD model to account for matrix diffusion. Journal of Contaminant Hydrology, 2022, 247, 103986.	3.3	3
5	Impact of matrix diffusion on the migration of groundwater plumes for Perfluoroalkyl acids (PFAAs) and other non-degradable compounds. Journal of Contaminant Hydrology, 2022, 247, 103987.	3.3	10
6	Natural Source Zone Depletion (NSZD): from process understanding to effective implementation at LNAPL-impacted sites. Quarterly Journal of Engineering Geology and Hydrogeology, 2022, 55, .	1.4	13
7	Reply to Comments in Response to <scp>Peerâ€Reviewed</scp> Technical Note â€œApplication of Four Measurement Techniques to Understand Natural Source Zone Depletion Processes at an <scp>LNAPL</scp> Siteâ€•(Kirkman, Zimbron). Ground Water Monitoring and Remediation, 2021, 41, 8-9.	0.8	0
8	In situ gas sparging for concentration and removal of perâ€•and polyfluoroalkyl substances (PFAS) from groundwater. Remediation, 2021, 31, 35.	2.4	2
9	Monitored natural attenuation to manage PFAS impacts to groundwater: Potential guidelines. Remediation, 2021, 31, 7.	2.4	9
10	Monitored Natural Attenuation to Manage <scp>PFAS</scp> Impacts to Groundwater: Scientific Basis. Ground Water Monitoring and Remediation, 2021, 41, 76-89.	0.8	27
11	Direct aerobic NSZD of a basalt vadose zone LNAPL source in Hawaii. Journal of Contaminant Hydrology, 2020, 235, 103729.	3.3	6
12	Comparing PFAS to other groundwater contaminants: Implications for remediation. Remediation, 2020, 30, 7-26.	2.4	30
13	Mass-Based, Field-Scale Demonstration of PFAS Retention within AFFF-Associated Source Areas. Environmental Science & Technology, 2020, 54, 15768-15777.	10.0	71
14	Allocating remedial costs at a superfund site using risk magnitude, geographic information systems, and Monte Carlo analysis. Environmental Forensics, 2020, 21, 223-235.	2.6	4
15	Application of Four Measurement Techniques to Understand Natural Source Zone Depletion Processes at an <scp>LNAPL</scp> Site. Ground Water Monitoring and Remediation, 2020, 40, 75-88.	0.8	20
16	How much heterogeneity? Flow versus area from a big data perspective. Remediation, 2020, 30, 15-23.	2.4	3
17	Vertical Discretization Impact in Numerical Modeling of Matrix Diffusion in Contaminated Groundwater. Ground Water Monitoring and Remediation, 2020, 40, 52-64.	0.8	10
18	NATURAL ATTENUATION OF CHLORINATED SOLVENTS IN GROUND WATER. , 2019, , 1729-1779.		0

#	ARTICLE	IF	CITATIONS
19	PFAS Experts Symposium: Statements on regulatory policy, chemistry and analytics, toxicology, transport/fate, and remediation for perâ€•and polyfluoroalkyl substances (PFAS) contamination issues. Remediation, 2019, 29, 31-48.	2.4	67
20	Overview of Natural Source Zone Depletion: Processes, Controlling Factors, and Composition Change. Ground Water Monitoring and Remediation, 2017, 37, 62-81.	0.8	78
21	Impact of Temperature on Groundwater Source Attenuation Rates at Hydrocarbon Sites. Ground Water Monitoring and Remediation, 2017, 37, 82-93.	0.8	8
22	Evaluation of Longâ€Term Performance and Sustained Treatment at Enhanced Anaerobic Bioremediation Sites. Ground Water Monitoring and Remediation, 2016, 36, 32-44.	0.8	7
23	Negative Bias and Increased Variability in VOC Concentrations Using the HydraSleeve in Monitoring Wells. Ground Water Monitoring and Remediation, 2016, 36, 79-87.	0.8	4
24	Time vs. Money: A Quantitative Evaluation of Monitoring Frequency vs. Monitoring Duration. Ground Water, 2016, 54, 692-698.	1.3	2
25	Implications of matrix diffusion on 1,4-dioxane persistence at contaminated groundwater sites. Science of the Total Environment, 2016, 562, 98-107.	8.0	35
26	Characterization and Source History Modeling Using Low-k Zone Profiles at Two Source Areas. Ground Water Monitoring and Remediation, 2015, 35, 52-69.	0.8	12
27	Simple Modeling Tool for Reconstructing Source History Using High Resolution Contaminant Profiles From Lowâ€k Zones. Remediation, 2015, 25, 31-51.	2.4	6
28	Evidence of 1,4-Dioxane Attenuation at Groundwater Sites Contaminated with Chlorinated Solvents and 1,4-Dioxane. Environmental Science & Technology, 2015, 49, 6510-6518.	10.0	104
29	Evaluation of Source-Zone Attenuation at LUFT Sites with Mobile LNAPL. Soil and Sediment Contamination, 2015, 24, 917-929.	1.9	9
30	NATURAL ATTENUATION OF CHLORINATED SOLVENTS IN GROUND WATER. , 2014, , 863-915.		1
31	The New Potential for Understanding Groundwater Contaminant Transport. Ground Water, 2014, 52, 656-658.	1.3	5
32	The New Potential for Understanding Groundwater Contaminant Transport. Ground Water, 2014, 52, 174-186.	1.3	43
33	Membrane Interface Probe Protocol for Contaminants in Lowâ€Permeability Zones. Ground Water, 2014, 52, 550-565.	1.3	20
34	Progress in Remediation of Groundwater at Petroleum Sites in California. Ground Water, 2014, 52, 898-907.	1.3	24
35	Onâ€Site Vaporâ€Phase Analysis as a Novel Approach for Monitoring Groundwater Wells. Ground Water Monitoring and Remediation, 2014, 34, 42-59.	0.8	0
36	A Multisite Survey To Identify the Scale of the 1,4-Dioxane Problem at Contaminated Groundwater Sites. Environmental Science and Technology Letters, 2014, 1, 254-258.	8.7	124

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37	Natural Attenuation Of Chlorinated Solvent Source Zones. , 2014, , 459-508.		1
38	Matrix Diffusion Modeling Applied to Longâ€Term Pumpâ€andâ€Treat Data: 1. Method Development. Remediation, 2013, 23, 71-91.	2.4	8
39	Chlorinated Ethene Source Remediation: Lessons Learned. Environmental Science & Technology, 2012, 46, 6438-6447.	10.0	176
40	The influence of seasonal vertical temperature gradients on noâ€purge sampling of wells. Remediation, 2012, 22, 21-36.	2.4	4
41	Field Investigation of Vaporâ€Phaseâ€Based Groundwater Monitoring. Ground Water Monitoring and Remediation, 2012, 32, 59-72.	0.8	7
42	Groundwater Remediation: The Next 30 Years. Ground Water, 2012, 50, 669-678.	1.3	43
43	Relative contribution of DNAPL dissolution and matrix diffusion to the long-term persistence of chlorinated solvent source zones. Journal of Contaminant Hydrology, 2012, 134-135, 69-81.	3.3	89
44	Contaminant Plume Classification System Based on Mass Discharge. Ground Water, 2011, 49, 914-919.	1.3	33
45	Sustained treatment: Implications for treatment timescales associated with sourceâ€depletion technologies. Remediation, 2011, 21, 27-50.	2.4	24
46	Closing the mass balance at chlorinated solvent sites: Sources and attenuation processes. Remediation, 2010, 20, 61-75.	2.4	2
47	Modeling Remediation of Chlorinated Solvent Plumes. SERDP and ESTCP Remediation Technology Monograph Series, 2010, , 145-184.	0.3	1
48	Impacts of Source Management on Chlorinated Solvent Plumes. SERDP and ESTCP Remediation Technology Monograph Series, 2010, , 185-216.	0.3	5
49	Support of Source Zone Bioremediation through Endogenous Biomass Decay and Electron Donor Recycling. Bioremediation Journal, 2009, 13, 29-40.	2.0	22
50	Laboratory validation study of new vaporâ€phaseâ€based approach for groundwater monitoring. Remediation, 2009, 20, 87-106.	2.4	5
51	Aerobic bioremediation of chlorobenzene source-zone soil in flow-through columns: performance assessment using quantitative PCR. Biodegradation, 2008, 19, 545-553.	3.0	13
52	Remediation of RDX- and HMX-contaminated groundwater using organic mulch permeable reactive barriers. Journal of Contaminant Hydrology, 2007, 90, 1-20.	3.3	32
53	Performance of DNAPL Source Depletion Technologies at 59 Chlorinated Solvent-Impacted Sites. Ground Water Monitoring and Remediation, 2006, 26, 73-84.	0.8	154
54	Multiyear Temporal Changes in Chlorinated Solvent Concentrations at 23 Monitored Natural Attenuation Sites. Journal of Environmental Engineering, ASCE, 2006, 132, 653-663.	1.4	41

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55	Optimizing groundwater long-term monitoring networks using Delaunay triangulation spatial analysis techniques. Environmetrics, 2005, 16, 635-657.	1.4	9
56	Analysis of DNAPL source-depletion costs at 36 field sites. Remediation, 2005, 15, 9-18.	2.4	40
57	Planning-level source decay models to evaluate impact of source depletion on remediation time frame. Remediation, 2005, 15, 27-47.	2.4	28
58	Source Depletion at Contaminated Groundwater Sites: Is it Worth it?. , 2005, , .		0
59	Long-Term Sustainability of Reductive Dechlorination Reactions at Chlorinatedsolvents Sites. Biodegradation, 2004, 15, 387-394.	3.0	4
60	Historical analysis of monitored natural attenuation: A survey of 191 chlorinated solvent sites and 45 solvent plumes. Remediation, 2004, 15, 99-112.	2.4	48
61	MAROS: A Decision Support System for Optimizing Monitoring Plans. Ground Water, 2003, 41, 355-367.	1.3	72
62	Groundwater monitoring plans at small-scale sitesâ€"an innovative spatial and temporal methodology. Journal of Environmental Monitoring, 2003, 5, 126-134.	2.1	8
63	A Hydrogeologic Database for Ground-Water Modeling. Ground Water, 1990, 28, 703-714.	1.3	48
64	Process to separate perâ€•and polyfluoroalkyl substancesÂfrom water using colloidal gas aphrons. Remediation, 0, , .	2.4	6