

# C T Miller

## List of Publications by Year in descending order

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159  
papers

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41258

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times ranked

4336  
citing authors

#	ARTICLE	IF	CITATIONS
1	A continuum mechanical framework for modeling tumor growth and treatment in two- and three-phase systems. <i>Archive of Applied Mechanics</i> , 2022, 92, 461-489.	1.2	6
2	Molecular methods for assessing the morphology, topology, and performance of polyamide membranes. <i>Journal of Membrane Science</i> , 2022, 644, 120110.	4.1	11
3	A physically-based entropy production rate method to simulate sharp-front transport problems in porous medium systems. <i>Computational Geosciences</i> , 2021, 25, 1047-1061.	1.2	0
4	Generalized Newtonian fluid flow in porous media. <i>Physical Review Fluids</i> , 2021, 6, .	1.0	4
5	Microscale modeling of nondilute flow and transport in porous medium systems. <i>Physical Review E</i> , 2020, 102, 033104.	0.8	3
6	Characterization of the Pore Structure of Porous Media Using non-Newtonian Fluids. <i>Water Resources Research</i> , 2019, 55, 7182-7195.	1.7	7
7	Nonhysteretic Capillary Pressure in Two-Fluid Porous Medium Systems: Definition, Evaluation, Validation, and Dynamics. <i>Water Resources Research</i> , 2019, 55, 6825-6849.	1.7	24
8	Modelling sediment transport in three-phase surface water systems. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2019, 57, 439-463.	0.7	7
9	Toward a New Generation of Two-Fluid Flow Models Based on the Thermodynamically-Constrained Averaging Theory. <i>Water (Switzerland)</i> , 2019, 11, 2260.	1.2	4
10	A Priori Parameter Estimation for the Thermodynamically Constrained Averaging Theory: Species Transport in a Saturated Porous Medium. <i>Transport in Porous Media</i> , 2018, 122, 611-632.	1.2	9
11	Homogenization of one-dimensional draining through heterogeneous porous media including higher-order approximations. <i>Physica D: Nonlinear Phenomena</i> , 2018, 365, 42-56.	1.3	1
12	Thermodynamically Constrained Averaging Theory: Principles, Model Hierarchies, and Deviation Kinetic Energy Extensions. <i>Entropy</i> , 2018, 20, 253.	1.1	5
13	Modeling Nondilute Species Transport Using the Thermodynamically Constrained Averaging Theory. <i>Water Resources Research</i> , 2018, 54, 6656-6682.	1.7	9
14	Geometric state function for two-fluid flow in porous media. <i>Physical Review Fluids</i> , 2018, 3, .	1.0	87
15	A Pedagogical Approach to the Thermodynamically Constrained Averaging Theory. <i>Transport in Porous Media</i> , 2017, 119, 585-609.	1.2	8
16	On the consistency of scale among experiments, theory, and simulation. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 1063-1076.	1.9	5
17	Tracking interface and common curve dynamics for two-fluid flow in porous media. <i>Journal of Fluid Mechanics</i> , 2016, 796, 211-232.	1.4	25
18	Influence of phase connectivity on the relationship among capillary pressure, fluid saturation, and interfacial area in two-fluid-phase porous medium systems. <i>Physical Review E</i> , 2016, 94, 033102.	0.8	44

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19	Type 2 Diabetes Self-management Among Spanish-Speaking Hispanic Immigrants. <i>Journal of Immigrant and Minority Health</i> , 2016, 18, 1392-1403.	0.8	13
20	An adaptive lattice Boltzmann scheme for modeling two-phase flow in porous medium systems. <i>Water Resources Research</i> , 2016, 52, 2601-2617.	1.7	9
21	On the dynamics and kinematics of two-phase flow in porous media. <i>Water Resources Research</i> , 2015, 51, 5365-5381.	1.7	46
22	Modeling two-fluid-phase flow and species transport in porous media. <i>Journal of Hydrology</i> , 2015, 521, 565-581.	2.3	19
23	A comparison of physicochemical methods for the remediation of porous medium systems contaminated with tar. <i>Journal of Contaminant Hydrology</i> , 2014, 167, 44-60.	1.6	10
24	A novel heterogeneous algorithm to simulate multiphase flow in porous media on multicore CPU-GPU systems. <i>Computer Physics Communications</i> , 2014, 185, 1865-1874.	3.0	63
25	Petascale Application of a Coupled CPU-GPU Algorithm for Simulation and Analysis of Multiphase Flow Solutions in Porous Medium Systems. , 2014, , .		10
26	Response to comment on "Averaging theory for description of environmental problems: What have we learned?". <i>Advances in Water Resources</i> , 2013, 52, 331-333.	1.7	7
27	A generalization of averaging theorems for porous medium analysis. <i>Advances in Water Resources</i> , 2013, 62, 227-237.	1.7	27
28	Description of non-Darcy flows in porous medium systems. <i>Physical Review E</i> , 2013, 87, .	0.8	15
29	A multiphase model for three-dimensional tumor growth. <i>New Journal of Physics</i> , 2013, 15, 015005.	1.2	124
30	Averaging theory for description of environmental problems: What have we learned?. <i>Advances in Water Resources</i> , 2013, 51, 123-138.	1.7	72
31	Numerical simulation of water resources problems: Models, methods, and trends. <i>Advances in Water Resources</i> , 2013, 51, 405-437.	1.7	73
32	Two-phase flow modeling of the influence of wave shapes and bed slope on nearshore hydrodynamics. <i>Journal of Coastal Research</i> , 2013, 65, 159-164.	0.1	5
33	Compositional and pH Effects on the Interfacial Tension Between Complex Tar Mixtures and Aqueous Solutions. <i>Environmental Science &amp; Technology</i> , 2012, 46, 10214-10221.	4.6	3
34	Mobilization of Manufactured Gas Plant Tar with Alkaline Flushing Solutions. <i>Environmental Science &amp; Technology</i> , 2012, 46, 426-433.	4.6	12
35	Effects of model resolution on optimal design of subsurface flow and transport problems. <i>Advances in Water Resources</i> , 2012, 38, 27-37.	1.7	7
36	Thermodynamically constrained averaging theory approach for modeling flow and transport phenomena in porous medium systems: 9. Transition region models. <i>Advances in Water Resources</i> , 2012, 42, 71-90.	1.7	33

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37	Influence of porous media heterogeneity on nonaqueous phase liquid dissolution fingering and upscaled mass transfer. <i>Water Resources Research</i> , 2012, 48, .	1.7	24
38	Recovery of Phenanthrene-Degrading Bacteria after Simulated in Situ Persulfate Oxidation in Contaminated Soil. <i>Environmental Science &amp; Technology</i> , 2011, 45, 719-725.	4.6	66
39	Adaptive split-operator methods for modeling transport phenomena in porous medium systems. <i>Advances in Water Resources</i> , 2011, 34, 1268-1282.	1.7	18
40	Cosolvent flushing for the remediation of PAHs from former manufactured gas plants. <i>Journal of Contaminant Hydrology</i> , 2011, 126, 72-84.	1.6	8
41	TCAT analysis of capillary pressure in non-equilibrium, two-fluid-phase, porous medium systems. <i>Advances in Water Resources</i> , 2011, 34, 770-778.	1.7	42
42	Thermodynamically constrained averaging theory approach for modeling flow and transport phenomena in porous medium systems: 8. Interface and common curve dynamics. <i>Advances in Water Resources</i> , 2010, 33, 1427-1443.	1.7	24
43	Beyond Anisotropy: Examining Non-Darcy Flow in Asymmetric Porous Media. <i>Transport in Porous Media</i> , 2010, 84, 535-548.	1.2	13
44	Dense, viscous brine behavior in heterogeneous porous medium systems. <i>Journal of Contaminant Hydrology</i> , 2010, 115, 46-63.	1.6	5
45	An evaluation of solution algorithms and numerical approximation methods for modeling an ion exchange process. <i>Journal of Computational Physics</i> , 2010, 229, 4996-5010.	1.9	2
46	A sharp-interface interpretation of a continuous density model for homogenization of gravity-driven flow in porous media. <i>Physica D: Nonlinear Phenomena</i> , 2010, 239, 1855-1866.	1.3	6
47	A comparison of two physics-based numerical models for simulating surface water-groundwater interactions. <i>Advances in Water Resources</i> , 2010, 33, 456-467.	1.7	108
48	Effectiveness of Source-Zone Remediation of DNAPL-Contaminated Subsurface Systems. <i>Journal of Environmental Engineering, ASCE</i> , 2010, 136, 452-465.	0.7	4
49	Advances in Modeling Completely Mixed Flow Reactors for Ion Exchange. <i>Journal of Environmental Engineering, ASCE</i> , 2010, 136, 1128-1138.	0.7	12
50	10.1029/90WR01694. <i>Water Resources Research</i> , 2010, , .	1.7	18
51	Thermodynamically Constrained Averaging Theory Approach for Heat Transport in Single-Fluid-Phase Porous Medium Systems. <i>Journal of Heat Transfer</i> , 2009, 131, .	1.2	11
52	Dense non-aqueous phase liquids at former manufactured gas plants: Challenges to modeling and remediation. <i>Journal of Contaminant Hydrology</i> , 2009, 105, 81-98.	1.6	53
53	Thermodynamically constrained averaging theory approach for modeling flow and transport phenomena in porous medium systems: 5. Single-fluid-phase transport. <i>Advances in Water Resources</i> , 2009, 32, 681-711.	1.7	53
54	Thermodynamically constrained averaging theory approach for modeling flow and transport phenomena in porous medium systems: 6. Two-fluid-phase flow. <i>Advances in Water Resources</i> , 2009, 32, 779-795.	1.7	59

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55	Thermodynamically constrained averaging theory approach for modeling flow and transport phenomena in porous medium systems: 7. Single-phase megascale flow models. <i>Advances in Water Resources</i> , 2009, 32, 1121-1142.	1.7	20
56	Thermodynamically constrained averaging theory approach for modeling flow and transport phenomena in porous medium systems: 4. Species transport fundamentals. <i>Advances in Water Resources</i> , 2008, 31, 577-597.	1.7	35
57	Comparison of derivative-free optimization methods for groundwater supply and hydraulic capture community problems. <i>Advances in Water Resources</i> , 2008, 31, 743-757.	1.7	81
58	The influence of wettability on NAPL dissolution fingering. <i>Advances in Water Resources</i> , 2008, 31, 1687-1696.	1.7	25
59	Mathematical description of the uptake of hydrocarbons in jet fuel into the stratum corneum of human volunteers. <i>Toxicology Letters</i> , 2008, 178, 146-151.	0.4	5
60	Modeling the removal of dissolved organic carbon by ion exchange in a completely mixed flow reactor. <i>Water Research</i> , 2008, 42, 1897-1906.	5.3	23
61	Hydrogeological Research, Education, and Practice: A Path to Future Contributions. <i>Journal of Hydrologic Engineering - ASCE</i> , 2008, 13, 7-12.	0.8	13
62	Consistent thermodynamic formulations for multiscale hydrologic systems: Fluid pressures. <i>Water Resources Research</i> , 2007, 43, .	1.7	15
63	Pore-scale simulation of entrapped non-aqueous phase liquid dissolution. <i>Advances in Water Resources</i> , 2007, 30, 623-640.	1.7	21
64	An analysis of polynomial chaos approximations for modeling single-fluid-phase flow in porous medium systems. <i>Journal of Computational Physics</i> , 2007, 226, 2175-2205.	1.9	31
65	Local discontinuous Galerkin approximations to Richards's <sup>TM</sup> equation. <i>Advances in Water Resources</i> , 2007, 30, 555-575.	1.7	35
66	Approximation of interfacial properties in multiphase porous medium systems. <i>Advances in Water Resources</i> , 2007, 30, 354-365.	1.7	19
67	Adaptive local discontinuous Galerkin approximation to Richards's <sup>TM</sup> equation. <i>Advances in Water Resources</i> , 2007, 30, 1883-1901.	1.7	30
68	A spatially and temporally adaptive solution of Richards's <sup>TM</sup> equation. <i>Advances in Water Resources</i> , 2006, 29, 525-545.	1.7	82
69	An ELLAM approximation for advective <sup>TM</sup> dispersive transport with nonlinear sorption. <i>Advances in Water Resources</i> , 2006, 29, 657-675.	1.7	15
70	Thermodynamically constrained averaging theory approach for modeling flow and transport phenomena in porous medium systems: 3. Single-fluid-phase flow. <i>Advances in Water Resources</i> , 2006, 29, 1745-1765.	1.7	42
71	An evaluation of lattice Boltzmann schemes for porous medium flow simulation. <i>Computers and Fluids</i> , 2006, 35, 898-909.	1.3	617
72	Thermodynamically constrained averaging theory approach for modeling flow and transport phenomena in porous medium systems: 1. Motivation and overview. <i>Advances in Water Resources</i> , 2005, 28, 161-180.	1.7	131

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73	Thermodynamically constrained averaging theory approach for modeling flow and transport phenomena in porous medium systems: 2. Foundation. <i>Advances in Water Resources</i> , 2005, 28, 181-202.	1.7	62
74	Pore-scale investigation of viscous coupling effects for two-phase flow in porous media. <i>Physical Review E</i> , 2005, 72, 026705.	0.8	177
75	Bacterial Regrowth Model for Water Distribution Systems Incorporating Alternating Split-Operator Solution Technique. <i>Journal of Environmental Engineering, ASCE</i> , 2004, 130, 932-941.	0.7	31
76	Solution of a Well-Field Design Problem with Implicit Filtering. <i>Optimization and Engineering</i> , 2004, 5, 207-234.	1.3	22
77	A high-performance lattice Boltzmann implementation to model flow in porous media. <i>Computer Physics Communications</i> , 2004, 158, 89-105.	3.0	97
78	Efficient, Near-Complete Removal of DNAPL from Three-Dimensional, Heterogeneous Porous Media Using a Novel Combination of Treatment Technologies. <i>Environmental Science &amp; Technology</i> , 2004, 38, 5149-5156.	4.6	26
79	Lattice-Boltzmann simulation of two-phase flow in porous media. <i>Water Resources Research</i> , 2004, 40, .	1.7	329
80	Examination of Darcy's Law for Flow in Porous Media with Variable Porosity. <i>Environmental Science &amp; Technology</i> , 2004, 38, 5895-5901.	4.6	50
81	On gravity currents in heterogeneous porous media. <i>Developments in Water Science</i> , 2004, 55, 303-312.	0.1	1
82	Versatile Two-Level Schwarz Preconditioners for Multiphase Flow. <i>Computational Geosciences</i> , 2003, 7, 91-114.	1.2	8
83	Calibration of a Pore-Network Model by a Pore-Morphological Analysis. <i>Transport in Porous Media</i> , 2003, 51, 267-285.	1.2	44
84	A BME solution of the inverse problem for saturated groundwater flow. <i>Stochastic Environmental Research and Risk Assessment</i> , 2003, 17, 354-369.	1.9	28
85	Convergence of iterative split-operator approaches for approximating nonlinear reactive transport problems. <i>Advances in Water Resources</i> , 2003, 26, 247-261.	1.7	86
86	Mixed finite element methods and higher order temporal approximations for variably saturated groundwater flow. <i>Advances in Water Resources</i> , 2003, 26, 373-394.	1.7	53
87	Efficient steady-state solution techniques for variably saturated groundwater flow. <i>Advances in Water Resources</i> , 2003, 26, 833-849.	1.7	36
88	Modeling NAPL dissolution fingering with upscaled mass transfer rate coefficients. <i>Advances in Water Resources</i> , 2003, 26, 1097-1111.	1.7	25
89	Comparison of fully coupled approaches for approximating nonlinear transport and reaction problems. <i>Advances in Water Resources</i> , 2003, 26, 353-372.	1.7	26
90	The averaging of gravity currents in porous media. <i>Physics of Fluids</i> , 2003, 15, 2810.	1.6	18

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91	EVALUATION OF PATH-LENGTH ESTIMATORS FOR CHARACTERIZING MULTIPHASE SYSTEMS USING POLYENERGETIC X-RAY ABSORPTIOMETRY. <i>Soil Science</i> , 2002, 167, 703-719.	0.9	8
92	Evolving interface between clean and nonaqueous phase liquid (NAPL)-contaminated regions in two-dimensional porous media. <i>Water Resources Research</i> , 2002, 38, 29-1-29-14.	1.7	23
93	Computational Bayesian maximum entropy solution of a stochastic advection-reaction equation in the light of site-specific information. <i>Water Resources Research</i> , 2002, 38, 54-1-54-17.	1.7	48
94	Computation of the interfacial area for two-fluid porous medium systems. <i>Journal of Contaminant Hydrology</i> , 2002, 56, 25-48.	1.6	106
95	Quantitative analysis of experiments on bacterial chemotaxis to naphthalene. <i>Biotechnology and Bioengineering</i> , 2002, 78, 626-634.	1.7	55
96	Mixed finite element methods and higher-order temporal approximations. <i>Advances in Water Resources</i> , 2002, 25, 85-101.	1.7	29
97	Modelling the fate of oxidisable organic contaminants in groundwater. <i>Advances in Water Resources</i> , 2002, 25, 945-983.	1.7	157
98	Optimal design for problems involving flow and transport phenomena in saturated subsurface systems. <i>Advances in Water Resources</i> , 2002, 25, 1233-1256.	1.7	106
99	Hydrogeological Research: Just Getting Started. <i>Ground Water</i> , 2002, 40, 224-231.	0.7	32
100	Higher order time integration methods for two-phase flow. <i>Advances in Water Resources</i> , 2002, 25, 159-177.	1.7	55
101	Solution of a Groundwater Control Problem with Implicit Filtering. <i>Optimization and Engineering</i> , 2002, 3, 189-199.	1.3	12
102	An Aggregation-Based Domain Decomposition Preconditioner for Groundwater Flow. <i>SIAM Journal of Scientific Computing</i> , 2001, 23, 430-441.	1.3	35
103	Remediation of DNAPL Pools Using Dense Brine Barrier Strategies. <i>Environmental Science &amp; Technology</i> , 2001, 35, 3031-3039.	4.6	30
104	Pore-morphology-based simulation of drainage in totally wetting porous media. <i>Advances in Water Resources</i> , 2001, 24, 243-255.	1.7	289
105	Pore-scale modeling of saturated permeabilities in random sphere packings. <i>Physical Review E</i> , 2001, 64, 066702.	0.8	121
106	A comparison of high-resolution, finite-volume, adaptive stencil schemes for simulating advective dispersive transport. <i>Advances in Water Resources</i> , 2000, 24, 29-48.	1.7	29
107	Investigation of the residual funicular nonwetting-phase-saturation relation. <i>Advances in Water Resources</i> , 2000, 24, 157-177.	1.7	40
108	Mass transfer rate limitation effects on partitioning tracer tests. <i>Journal of Contaminant Hydrology</i> , 2000, 45, 79-97.	1.6	24

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109	Comment on "Dynamics of wetting fronts in porous media". Physical Review E, 2000, 61, 2150-2151.	0.8	3
110	Remediation of DNAPL-Contaminated Subsurface Systems Using Density-Motivated Mobilization. Environmental Science & Technology, 2000, 34, 719-724.	4.6	53
111	Transformation approaches for simulating flow in variably saturated porous media. Water Resources Research, 2000, 36, 923-934.	1.7	39
112	C++ implementations of numerical methods for solving differential-algebraic equations. ACM Transactions on Mathematical Software, 1999, 25, 377-403.	1.6	22
113	An evaluation of temporally adaptive transformation approaches for solving Richards' equation. Advances in Water Resources, 1999, 22, 831-840.	1.7	46
114	Experimental Investigation on the Resonance of a Liquid Column in a Capillary Tube. Journal of Colloid and Interface Science, 1999, 219, 62-68.	5.0	14
115	Factors Affecting Bank Formation during Surfactant-Enhanced Mobilization of Residual NAPL. Environmental Science & Technology, 1999, 33, 2440-2446.	4.6	25
116	Multiphase flow and transport modeling in heterogeneous porous media: challenges and approaches. Advances in Water Resources, 1998, 21, 77-120.	1.7	263
117	Termination of Newton/Chord Iterations and the Method of Lines. SIAM Journal of Scientific Computing, 1998, 19, 280-290.	1.3	16
118	Complete Dissolution of Trichloroethylene in Saturated Porous Media. Environmental Science & Technology, 1998, 32, 2417-2424.	4.6	33
119	Robust solution of Richards' equation for nonuniform porous media. Water Resources Research, 1998, 34, 2599-2610.	1.7	116
120	TEMPORAL DISTRIBUTION OF 14C IN SOIL WATER FROM FIELD LYSIMETERS TREATED WITH 14C-METOLACHLOR. Soil Science, 1998, 163, 872-882.	0.9	5
121	Evaluation of Thermal Effects on the Dissolution of a Nonaqueous Phase Liquid in Porous Media. Environmental Science & Technology, 1997, 31, 1615-1622.	4.6	61
122	Analysis of split operator methods for nonlinear and multispecies groundwater chemical transport models. Mathematics and Computers in Simulation, 1997, 43, 331-341.	2.4	45
123	Accurate and economical solution of the pressure-head form of Richards' equation by the method of lines. Advances in Water Resources, 1997, 20, 1-14.	1.7	137
124	The influence of mass transfer characteristics and porous media heterogeneity on nonaqueous phase dissolution. Water Resources Research, 1996, 32, 1551-1567.	1.7	124
125	Dissolution Fingering During the Solubilization of Nonaqueous Phase Liquids in Saturated Porous Media: 2. Experimental Observations. Water Resources Research, 1996, 32, 1929-1942.	1.7	90
126	Dissolution Fingering During the Solubilization of Nonaqueous Phase Liquids in Saturated Porous Media: 1. Model Predictions. Water Resources Research, 1996, 32, 1919-1928.	1.7	73



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127	Comment on "A Distributed Reactivity Model for Sorption by Soils and Sediments. 4. Intraparticle Heterogeneity and Phase-Distribution Relationships under Nonequilibrium Conditions", Environmental Science & Technology, 1996, 30, 3128-3129.	4.6	8
128	Surfactant-Enhanced Dissolution of Phenanthrene into Water for Laminar Flow Conditions. Environmental Science & Technology, 1996, 30, 2967-2974.	4.6	26
129	Physicochemical Transport Processes Affecting the Removal of Residual DNAPL by Nonionic Surfactant Solutions. Environmental Science & Technology, 1996, 30, 1852-1860.	4.6	68
130	Temporal discretisation errors in non-iterative split-operator approaches to solving chemical reaction/groundwater transport models. Journal of Contaminant Hydrology, 1996, 22, 1-17.	1.6	66
131	Alternative split-operator approach for solving chemical reaction/groundwater transport models. Advances in Water Resources, 1996, 19, 261-275.	1.7	47
132	Simulation of correlated and uncorrelated packing of random size spheres. Physical Review E, 1996, 53, 1516-1524.	0.8	90
133	Development of a correlation for aqueous-vapor phase mass transfer in porous media. Journal of Contaminant Hydrology, 1995, 18, 85-106.	1.6	26
134	Heterogeneous Sorption Processes in Subsurface Systems. 2. Diffusion Modeling Approaches. Environmental Science & Technology, 1995, 29, 1766-1772.	4.6	58
135	Cosolvent-Enhanced Remediation of Residual Dense Nonaqueous Phase Liquids: Experimental Investigation. Environmental Science & Technology, 1995, 29, 1966-1976.	4.6	120
136	Pore-Scale Modeling of Nonwetting-Phase Residual in Porous Media. Water Resources Research, 1995, 31, 455-473.	1.7	98
137	Stochastic Diagrammatic Analysis of Groundwater Flow in Heterogeneous Porous Media. Water Resources Research, 1995, 31, 1687-1703.	1.7	33
138	Implicit Filtering and Optimal Design Problems. , 1995, , 159-176.		7
139	Two-dimensional modeling of aquifer remediation influenced by sorption nonequilibrium and hydraulic conductivity heterogeneity. Water Resources Research, 1994, 30, 1457-1470.	1.7	61
140	Heterogeneous sorption processes in subsurface systems. 1. Model formulations and applications.. Environmental Science & Technology, 1994, 28, 2094-2104.	4.6	110
141	Cleopatra's Nose and the Diagrammatic Approach to Flow Modelling in Random Porous Media. Quantitative Geology and Geostatistics, 1994, , 341-358.	0.1	2
142	An experimental investigation of pore-scale distributions of nonaqueous phase liquids at residual saturation. Transport in Porous Media, 1993, 10, 57-80.	1.2	62
143	The development of stochastic space transformation and diagrammatic perturbation techniques in subsurface hydrology. Stochastic Hydrology & Hydraulics, 1993, 7, 14-32.	0.5	11
144	Stochastic perturbation analysis of groundwater flow. Spatially variable soils, semi-infinite domains and large fluctuations. Stochastic Hydrology & Hydraulics, 1993, 7, 213-239.	0.5	22

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145	Development of split-operator, Petrov-Galerkin Methods to simulate transport and diffusion problems. <i>Water Resources Research</i> , 1993, 29, 2227-2240.	1.7	53
146	A quadratic Petrov-Galerkin Solution for kinematic wave overland flow. <i>Water Resources Research</i> , 1993, 29, 2615-2627.	1.7	22
147	Use of a reactive surface-diffusion model to describe apparent sorption-desorption hysteresis and abiotic degradation of lindane in a subsurface material. <i>Environmental Science &amp; Technology</i> , 1992, 26, 1417-1427.	4.6	102
148	Modeling long-term solute transport in drained unsaturated zones. <i>Water Resources Research</i> , 1992, 28, 2799-2809.	1.7	16
149	The influence of porous medium characteristics and measurement scale on pore-scale distributions of residual nonaqueous-phase liquids. <i>Journal of Contaminant Hydrology</i> , 1992, 11, 189-213.	1.6	115
150	DISCRETE VORTEX METHODS FOR THE SIMULATION OF BOUNDARY LAYER SEPARATION EFFECTS ON WORKER EXPOSURE. <i>Annals of Occupational Hygiene</i> , 1991, 35, 35-50.	1.9	9
151	Dissolution of Trapped Nonaqueous Phase Liquids: Mass Transfer Characteristics. <i>Water Resources Research</i> , 1990, 26, 2783-2796.	1.7	483
152	The Boundary Integral Equation Method (BIEM) Local Exhaust Hood Flow Fields. <i>AIHA Journal</i> , 1989, 50, 281-288.	0.4	15
153	Evaluation of a Carbon Adsorption Method for Sampling Gasoline Vapors in the Subsurface. <i>Ground Water Monitoring and Remediation</i> , 1988, 8, 85-92.	0.6	4
154	Modeling the sorption of hydrophobic contaminants by aquifer materialsâ€™I. Rates and equilibria. <i>Water Research</i> , 1988, 22, 457-464.	5.3	77
155	Modeling the sorption of hydrophobic contaminants by aquifer materialsâ€™II. Column reactor systems. <i>Water Research</i> , 1988, 22, 465-474.	5.3	41
156	COMPARISON OF MODELS FOR FLOW THROUGH FLANGED AND PLAIN CIRCULAR HOODS. <i>Annals of Occupational Hygiene</i> , 1988, , .	1.9	8
157	Modeling Organic Contaminant Partitioning in Ground-Water Systems. <i>Ground Water</i> , 1984, 22, 584-592.	0.7	39
158	Rapid Solution of the Nonlinear Step-Drawdown Equation. <i>Ground Water</i> , 1983, 21, 584-588.	0.7	11
159	Organic Chemical Movement over and through Soil. <i>SSSA Special Publication Series</i> , 0, , 305-334.	0.2	25