

# Peter K Kitanidis

## List of Publications by Year in descending order

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179  
papers

9,786  
citations

32410

55  
h-index

49824

91  
g-index

181  
all docs

181  
docs citations

181  
times ranked

5703  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hierarchical Bayesian Inversion of Global Variables and Large-Scale Spatial Fields. <i>Water Resources Research</i> , 2022, 58, .	1.7	5
2	Deep learning technique for fast inference of large-scale riverine bathymetry. <i>Advances in Water Resources</i> , 2021, 147, 103715.	1.7	12
3	Application of deep learning to large scale riverine flow velocity estimation. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021, 35, 1069-1088.	1.9	16
4	Hydrogeophysical Characterization of Nonstationary DNAPL Source Zones by Integrating a Convolutional Variational Autoencoder and Ensemble Smoother. <i>Water Resources Research</i> , 2021, 57, e2020WR028538.	1.7	27
5	An information inequality for Bayesian analysis in imaging problems. <i>GEM - International Journal on Geomathematics</i> , 2021, 12, 1.	0.7	1
6	Integrating deep learning-based data assimilation and hydrogeophysical data for improved monitoring of DNAPL source zones during remediation. <i>Journal of Hydrology</i> , 2021, 601, 126655.	2.3	16
7	Routing algorithms as tools for integrating social distancing with emergency evacuation. <i>Scientific Reports</i> , 2021, 11, 19623.	1.6	6
8	Aquifer Imaging with Oscillatory Hydraulic Tomography: Application at the Field Scale. <i>Ground Water</i> , 2020, 58, 710-722.	0.7	28
9	Borehole water level model for photovoltaic water pumping systems. <i>Applied Energy</i> , 2020, 258, 114080.	5.1	12
10	Improved Characterization of DNAPL Source Zones via Sequential Hydrogeophysical Inversion of Hydraulic Head, Self-Potential and Partitioning Tracer Data. <i>Water Resources Research</i> , 2020, 56, e2020WR027627.	1.7	18
11	Sensitivity Analysis of Photovoltaic Pumping Systems for Domestic Water Supply. <i>IEEE Transactions on Industry Applications</i> , 2020, 56, 6734-6743.	3.3	10
12	Modelling and Optimal Sizing of Photovoltaic Water Pumping Systems – Sensitivity Analysis. , 2019, , .		6
13	Novel Data Assimilation Algorithm for Nearshore Bathymetry. <i>Journal of Atmospheric and Oceanic Technology</i> , 2019, 36, 699-715.	0.5	7
14	A validated model of a photovoltaic water pumping system for off-grid rural communities. <i>Applied Energy</i> , 2019, 241, 580-591.	5.1	33
15	Effect of irradiance data on the optimal sizing of photovoltaic water pumping systems. , 2019, , .		3
16	Riverine Bathymetry Imaging With Indirect Observations. <i>Water Resources Research</i> , 2018, 54, 3704-3727.	1.7	14
17	Longitudinal dispersion coefficients for numerical modeling of groundwater solute transport in heterogeneous formations. <i>Journal of Contaminant Hydrology</i> , 2018, 212, 41-54.	1.6	20
18	Fast Large-Scale Joint Inversion for Deep Aquifer Characterization Using Pressure and Heat Tracer Measurements. <i>Transport in Porous Media</i> , 2018, 123, 533-543.	1.2	10

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19	Teaching and communicating dispersion in hydrogeology, with emphasis on the applicability of the Fickian model. <i>Advances in Water Resources</i> , 2017, 106, 11-23.	1.7	10
20	Improved characterization of heterogeneous permeability in saline aquifers from transient pressure data during freshwater injection. <i>Water Resources Research</i> , 2017, 53, 4444-4458.	1.7	26
21	Trace organic chemical attenuation during managed aquifer recharge: Insights from a variably saturated 2D tank experiment. <i>Journal of Hydrology</i> , 2017, 548, 641-651.	2.3	11
22	Multipreconditioned Gmres for Shifted Systems. <i>SIAM Journal of Scientific Computing</i> , 2017, 39, S222-S247.	1.3	16
23	Optimal estimation and scheduling in aquifer management using the rapid feedback control method. <i>Advances in Water Resources</i> , 2017, 110, 310-318.	1.7	8
24	Optimal Decision Making Algorithm for Managed Aquifer Recharge and Recovery Operation Using Near Real-time Data: Benchtop Scale Laboratory Demonstration. <i>Ground Water Monitoring and Remediation</i> , 2017, 37, 27-41.	0.6	7
25	Smoothing-based compressed state Kalman filter for joint state-parameter estimation: Applications in reservoir characterization and CO <sub>2</sub> storage monitoring. <i>Water Resources Research</i> , 2017, 53, 7190-7207.	1.7	10
26	Hydraulic Tomography: Continuity and Discontinuity of High- and Low- $K$ Zones. <i>Ground Water</i> , 2016, 54, 171-185.	0.7	46
27	Scalable subsurface inverse modeling of huge data sets with an application to tracer concentration breakthrough data from magnetic resonance imaging. <i>Water Resources Research</i> , 2016, 52, 5213-5231.	1.7	30
28	Randomized algorithms for generalized Hermitian eigenvalue problems with application to computing Karhunen-Loève expansion. <i>Numerical Linear Algebra With Applications</i> , 2016, 23, 314-339.	0.9	43
29	Imaging geochemical heterogeneities using inverse reactive transport modeling: An example relevant for characterizing arsenic mobilization and distribution. <i>Advances in Water Resources</i> , 2016, 88, 186-197.	1.7	44
30	Persistent questions of heterogeneity, uncertainty, and scale in subsurface flow and transport. <i>Water Resources Research</i> , 2015, 51, 5888-5904.	1.7	58
31	The compressed state Kalman filter for nonlinear state estimation: Application to large-scale reservoir monitoring. <i>Water Resources Research</i> , 2015, 51, 9942-9963.	1.7	24
32	Fast Kalman filter using hierarchical matrices and a low-rank perturbative approach. <i>Inverse Problems</i> , 2015, 31, 015009.	1.0	7
33	Compressed state Kalman filter for large systems. <i>Advances in Water Resources</i> , 2015, 76, 120-126.	1.7	16
34	A fast algorithm for parabolic PDE-based inverse problems based on Laplace transforms and flexible Krylov solvers. <i>Journal of Computational Physics</i> , 2015, 299, 940-954.	1.9	4
35	Fast computation of uncertainty quantification measures in the geostatistical approach to solve inverse problems. <i>Advances in Water Resources</i> , 2015, 82, 124-138.	1.7	26
36	Real-time data assimilation for large-scale systems: The spectral Kalman filter. <i>Advances in Water Resources</i> , 2015, 86, 260-272.	1.7	24

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37	Frequency dependent hydraulic properties estimated from oscillatory pumping tests in an unconfined aquifer. <i>Journal of Hydrology</i> , 2015, 531, 2-16.	2.3	49
38	Relating relative hydraulic and electrical conductivity in the unsaturated zone. <i>Water Resources Research</i> , 2015, 51, 599-618.	1.7	17
39	Stochastic modeling of short-term exposure close to an air pollution source in a naturally ventilated room: An autocorrelated random walk method. <i>Journal of Exposure Science and Environmental Epidemiology</i> , 2014, 24, 311-318.	1.8	17
40	Large-scale hydraulic tomography and joint inversion of head and tracer data using the Principal Component Geostatistical Approach (PCGA). <i>Water Resources Research</i> , 2014, 50, 5410-5427.	1.7	81
41	Long-term mass transfer and mixing-controlled reactions of a DNAPL plume from persistent residuals. <i>Journal of Contaminant Hydrology</i> , 2014, 157, 11-24.	1.6	8
42	Effects of compound-specific dilution on transient transport and solute breakthrough: A pore-scale analysis. <i>Advances in Water Resources</i> , 2014, 71, 186-199.	1.7	70
43	Estimating temporal changes in hydraulic head using InSAR data in the San Luis Valley, Colorado. <i>Water Resources Research</i> , 2014, 50, 4459-4473.	1.7	38
44	Data processing for oscillatory pumping tests. <i>Journal of Hydrology</i> , 2014, 511, 310-319.	2.3	34
45	Principal Component Geostatistical Approach for large-dimensional inverse problems. <i>Water Resources Research</i> , 2014, 50, 5428-5443.	1.7	68
46	Fast iterative implementation of large-scale nonlinear geostatistical inverse modeling. <i>Water Resources Research</i> , 2014, 50, 198-207.	1.7	13
47	A Kalman filter powered by H2-matrices for quasi-continuous data assimilation problems. <i>Water Resources Research</i> , 2014, 50, 3734-3749.	1.7	26
48	Aquifer heterogeneity characterization with oscillatory pumping: Sensitivity analysis and imaging potential. <i>Water Resources Research</i> , 2013, 49, 5395-5410.	1.7	110
49	Large-scale stochastic linear inversion using hierarchical matrices. <i>Computational Geosciences</i> , 2013, 17, 913-927.	1.2	34
50	Surge block method for controlling well clogging and sampling sediment during bioremediation. <i>Water Research</i> , 2013, 47, 6566-6573.	5.3	8
51	Hydraulic conductivity imaging from 3D transient hydraulic tomography at several pumping/observation densities. <i>Water Resources Research</i> , 2013, 49, 7311-7326.	1.7	100
52	Bayesian inversion with total variation prior for discrete geologic structure identification. <i>Water Resources Research</i> , 2013, 49, 7658-7669.	1.7	33
53	The behavior of effective rate constants for bimolecular reactions in an asymptotic transport regime. <i>Journal of Contaminant Hydrology</i> , 2013, 144, 88-98.	1.6	37
54	A Flexible Krylov Solver for Shifted Systems with Application to Oscillatory Hydraulic Tomography. <i>SIAM Journal of Scientific Computing</i> , 2013, 35, A3001-A3023.	1.3	31

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55	Use of on-site bioreactors to estimate the biotransformation rate of N-ethyl perfluorooctane sulfonamidoethanol (N-EtFOSE) during activated sludge treatment. <i>Chemosphere</i> , 2013, 92, 702-707.	4.2	10
56	Effects of compound-specific transverse mixing on steady-state reactive plumes: Insights from pore-scale simulations and Darcy-scale experiments. <i>Advances in Water Resources</i> , 2013, 54, 1-10.	1.7	63
57	Stochastic cost optimization of DNAPL remediation – Field application. <i>Environmental Modelling and Software</i> , 2013, 46, 12-20.	1.9	2
58	A mathematical and computational study of the dispersivity tensor in anisotropic porous media. <i>Advances in Water Resources</i> , 2013, 62, 303-316.	1.7	9
59	On the importance of diffusion and compound-specific mixing for groundwater transport: An investigation from pore to field scale. <i>Journal of Contaminant Hydrology</i> , 2013, 153, 51-68.	1.6	88
60	Tortuosity and Archie’s Law. , 2013, , 115-126.		7
61	Integration of Artificial Recharge and Recovery Systems for Impaired Water Sources in Urban Settings: Overcoming Current Limitations and Engineering Challenges. <i>Environmental Engineering Science</i> , 2013, 30, 409-420.	0.8	24
62	Electrical Resistivity for Characterization and Infiltration Monitoring beneath a Managed Aquifer Recharge Pond. <i>Vadose Zone Journal</i> , 2013, 12, 1-20.	1.3	15
63	Fast Algorithms for Bayesian Inversion. <i>The IMA Volumes in Mathematics and Its Applications</i> , 2013, , 101-142.	0.5	6
64	Generalized priors in Bayesian inversion problems. <i>Advances in Water Resources</i> , 2012, 36, 3-10.	1.7	14
65	Mixing, entropy and reactive solute transport. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	74
66	Efficient methods for large-scale linear inversion using a geostatistical approach. <i>Water Resources Research</i> , 2012, 48, .	1.7	34
67	Stochastic cost optimization of DNAPL remediation – Method description and sensitivity study. <i>Environmental Modelling and Software</i> , 2012, 38, 74-88.	1.9	9
68	Experimental Investigation and Pore-Scale Modeling Interpretation of Compound-Specific Transverse Dispersion in Porous Media. <i>Transport in Porous Media</i> , 2012, 93, 347-362.	1.2	101
69	Value of Information as a Context-Specific Measure of Uncertainty in Groundwater Remediation. <i>Water Resources Management</i> , 2012, 26, 1513-1535.	1.9	19
70	Applicability of the Dual-Domain Model to Nonaggregated Porous Media. <i>Ground Water</i> , 2012, 50, 927-934.	0.7	21
71	Cost Optimization of DNAPL Remediation at Dover Air Force Base Site. <i>Ground Water Monitoring and Remediation</i> , 2012, 32, 48-56.	0.6	4
72	Application of Hierarchical Matrices to Linear Inverse Problems in Geostatistics. <i>Oil and Gas Science and Technology</i> , 2012, 67, 857-875.	1.4	23

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73	Transport and Mixing. SERDP and ESTCP Remediation Technology Monograph Series, 2012, , 53-75.	0.3	2
74	Large-scale inverse modeling with an application in hydraulic tomography. Water Resources Research, 2011, 47, .	1.7	62
75	Estimating Reaction Rate Coefficients Within a Travel-Time Modeling Framework. Ground Water, 2011, 49, 209-218.	0.7	6
76	Increasing Confidence in Mass Discharge Estimates Using Geostatistical Methods. Ground Water, 2011, 49, 197-208.	0.7	14
77	Parameter estimation in nonlinear environmental problems. Stochastic Environmental Research and Risk Assessment, 2010, 24, 1003-1022.	1.9	33
78	Fitting Data Under Omnidirectional Noise: A Probabilistic Method for Inferring Petrophysical and Hydrologic Relations. Mathematical Geosciences, 2010, 42, 877-909.	1.4	7
79	Cost optimization of DNAPL source and plume remediation under uncertainty using a semi-analytic model. Journal of Contaminant Hydrology, 2010, 113, 25-43.	1.6	22
80	Estimating kinetic mass transfer by resting-period measurements in flow-interruption tracer tests. Journal of Contaminant Hydrology, 2010, 117, 37-45.	1.6	4
81	Stochastic Cost Optimization of Multistrategy DNAPL Site Remediation. Ground Water Monitoring and Remediation, 2010, 30, 65-78.	0.6	14
82	Assessment of the Effectiveness of a Constructed Compound Channel River Restoration Project on an Incised Stream. Journal of Hydraulic Engineering, 2010, 136, 1042-1052.	0.7	6
83	Significant Association between Sulfate-Reducing Bacteria and Uranium-Reducing Microbial Communities as Revealed by a Combined Massively Parallel Sequencing-Indicator Species Approach. Applied and Environmental Microbiology, 2010, 76, 6778-6786.	1.4	102
84	Effects of model formulation and calibration data on uncertainty in dense nonaqueous phase liquids source dissolution predictions. Water Resources Research, 2010, 46, .	1.7	13
85	Effects of Nitrate on the Stability of Uranium in a Bioreduced Region of the Subsurface. Environmental Science & Technology, 2010, 44, 5104-5111.	4.6	100
86	Geostatistical inversing for large-contrast transmissivity fields. Stochastic Environmental Research and Risk Assessment, 2009, 23, 565-577.	1.9	25
87	A Potential-Based Inversion of Unconfined Steady-State Hydraulic Tomography. Ground Water, 2009, 47, 259-270.	0.7	108
88	Effects of kinetic mass transfer and transient flow conditions on widening mixing zones in coastal aquifers. Water Resources Research, 2009, 45, .	1.7	80
89	Growth and cometabolic reduction kinetics of a uranium- and sulfate-reducing <i>Desulfovibrio</i> / <i>Clostridia</i> mixed culture: Temperature effects. Biotechnology and Bioengineering, 2008, 99, 1107-1119.	1.7	30
90	Efficient solution of nonlinear, underdetermined inverse problems with a generalized PDE model. Computers and Geosciences, 2008, 34, 1480-1491.	2.0	44

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91	Estimating first-order reaction rate coefficient for transport with nonequilibrium linear mass transfer in heterogeneous media. <i>Journal of Contaminant Hydrology</i> , 2008, 98, 50-60.	1.6	6
92	Effective reaction parameters for mixing controlled reactions in heterogeneous media. <i>Water Resources Research</i> , 2008, 44, .	1.7	57
93	An interactive Bayesian geostatistical inverse protocol for hydraulic tomography. <i>Water Resources Research</i> , 2008, 44, .	1.7	71
94	Microbial Communities in Contaminated Sediments, Associated with Bioremediation of Uranium to Submicromolar Levels. <i>Applied and Environmental Microbiology</i> , 2008, 74, 3718-3729.	1.4	154
95	Electron donor and pH relationships for biologically enhanced dissolution of chlorinated solvent DNAPL in groundwater. <i>European Journal of Soil Biology</i> , 2007, 43, 276-282.	1.4	51
96	On stochastic inverse modeling. <i>Geophysical Monograph Series</i> , 2007, , 19-30.	0.1	19
97	Inhibition of a U(VI)- and Sulfate-Reducing Consortia by U(VI). <i>Environmental Science &amp; Technology</i> , 2007, 41, 6528-6533.	4.6	20
98	In Situ Bioreduction of Uranium (VI) to Submicromolar Levels and Reoxidation by Dissolved Oxygen. <i>Environmental Science &amp; Technology</i> , 2007, 41, 5716-5723.	4.6	182
99	Hydraulic performance analysis of a multiple injection extraction well system. <i>Journal of Hydrology</i> , 2007, 336, 294-302.	2.3	28
100	Breakthrough curve tailing in a dipole flow field. <i>Water Resources Research</i> , 2007, 43, .	1.7	15
101	Analyzing Bank Filtration by Deconvoluting Time Series of Electric Conductivity. <i>Ground Water</i> , 2007, 45, 318-328.	0.7	121
102	Modeling in-situ uranium(VI) bioreduction by sulfate-reducing bacteria. <i>Journal of Contaminant Hydrology</i> , 2007, 92, 129-148.	1.6	54
103	Dependence of lumped mass transfer coefficient on scale and reactions kinetics for biologically enhanced NAPL dissolution. <i>Advances in Water Resources</i> , 2007, 30, 1618-1629.	1.7	25
104	Flow convergence routing hypothesis for pool-riffle maintenance in alluvial rivers. <i>Water Resources Research</i> , 2006, 42, .	1.7	137
105	A Bayesian geostatistical transfer function approach to tracer test analysis. <i>Water Resources Research</i> , 2006, 42, .	1.7	39
106	Experimental determination of transverse dispersivity in a helix and a cochlea. <i>Water Resources Research</i> , 2006, 42, .	1.7	21
107	Pilot-Scale in Situ Bioremediation of Uranium in a Highly Contaminated Aquifer. 1. Conditioning of a Treatment Zone. <i>Environmental Science &amp; Technology</i> , 2006, 40, 3978-3985.	4.6	160
108	A Nested-Cell Approach for In Situ Remediation. <i>Ground Water</i> , 2006, 44, 266-274.	0.7	51

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109	Temporal-moment matching for truncated breakthrough curves for step or step-pulse injection. <i>Advances in Water Resources</i> , 2006, 29, 1306-1313.	1.7	34
110	A parametric transfer function methodology for analyzing reactive transport in nonuniform flow. <i>Journal of Contaminant Hydrology</i> , 2006, 83, 27-41.	1.6	30
111	Pilot-Scale in Situ Bioremediation of Uranium in a Highly Contaminated Aquifer. 2. Reduction of U(VI) and Geochemical Control of U(VI) Bioavailability. <i>Environmental Science &amp; Technology</i> , 2006, 40, 3986-3995.	4.6	242
112	A method for the interpolation of nonnegative functions with an application to contaminant load estimation. <i>Stochastic Environmental Research and Risk Assessment</i> , 2005, 19, 8-23.	1.9	15
113	Mass-Transfer Limitations for Nitrate Removal in a Uranium-Contaminated Aquifer. <i>Environmental Science &amp; Technology</i> , 2005, 39, 8453-8459.	4.6	36
114	Semi-analytical homogeneous anisotropic capture zone delineation. <i>Journal of Hydrology</i> , 2005, 312, 39-50.	2.3	42
115	A numerical study of surface-subsurface exchange processes at a riffle-pool pair in the Lahn River, Germany. <i>Water Resources Research</i> , 2005, 41, .	1.7	52
116	Application of geostatistical inverse modeling to contaminant source identification at Dover AFB, Delaware. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2004, 42, 9-18.	0.7	47
117	On the Asymptotic Behavior of Dilution Parameters for Gaussian and Holeâ€“Gaussian Log-Conductivity Covariance Functions. <i>Transport in Porous Media</i> , 2004, 56, 257-281.	1.2	4
118	An Application of Bayesian Inverse Methods to Vertical Deconvolution of Hydraulic Conductivity in a Heterogeneous Aquifer at Oak Ridge National Laboratory. <i>Mathematical Geosciences</i> , 2004, 36, 101-126.	0.9	39
119	Possible factors controlling the effectiveness of bioenhanced dissolution of non-aqueous phase tetrachloroethene. <i>Advances in Water Resources</i> , 2004, 27, 601-615.	1.7	32
120	Estimation of historical groundwater contaminant distribution using the adjoint state method applied to geostatistical inverse modeling. <i>Water Resources Research</i> , 2004, 40, .	1.7	151
121	Fluid residence times within a recirculation zone created by an extractionâ€“injection well pair. <i>Journal of Hydrology</i> , 2004, 295, 149-162.	2.3	67
122	Effects of biomass accumulation on microbially enhanced dissolution of a PCE pool: a numerical simulation. <i>Journal of Contaminant Hydrology</i> , 2003, 65, 79-100.	1.6	38
123	A method for enforcing parameter nonnegativity in Bayesian inverse problems with an application to contaminant source identification. <i>Water Resources Research</i> , 2003, 39, .	1.7	85
124	Numerical evaluation of solute dispersion and dilution in unsaturated heterogeneous media. <i>Water Resources Research</i> , 2002, 38, 2-1-2-15.	1.7	16
125	Simulations of two-dimensional modeling of biomass aggregate growth in network models. <i>Water Resources Research</i> , 2001, 37, 2981-2994.	1.7	34
126	Title is missing!. <i>Transport in Porous Media</i> , 2001, 42, 109-132.	1.2	11



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127	Travel-Time Based Model of Bioremediation Using Circulation Wells. <i>Ground Water</i> , 2001, 39, 422-432.	0.7	30
128	Sensitivity of temporal moments calculated by the adjoint-state method and joint inverting of head and tracer data. <i>Advances in Water Resources</i> , 2000, 24, 89-103.	1.7	69
129	Impact of Biomass-Decay Terms on the Simulation of Pulsed Bioremediation. <i>Ground Water</i> , 2000, 38, 254-263.	0.7	10
130	Macroscopic behavior and random-walk particle tracking of kinetically sorbing solutes. <i>Water Resources Research</i> , 2000, 36, 2133-2146.	1.7	57
131	Characterization of mixing and dilution in heterogeneous aquifers by means of local temporal moments. <i>Water Resources Research</i> , 2000, 36, 1221-1236.	1.7	148
132	An advective-dispersive stream tube approach for the transfer of conservative-tracer data to reactive transport. <i>Water Resources Research</i> , 2000, 36, 1209-1220.	1.7	87
133	Mass-Transfer Limitations for Macroscale Bioremediation Modeling and Implications on Aquifer Clogging. <i>Ground Water</i> , 1999, 37, 523-531.	0.7	30
134	Effects of Shear Detachment on Biomass Growth and In Situ Bioremediation. <i>Ground Water</i> , 1999, 37, 555-563.	0.7	26
135	Analysis of macrodispersion through volume averaging: comparison with stochastic theory. <i>Stochastic Environmental Research and Risk Assessment</i> , 1999, 13, 66-84.	1.9	29
136	Large-time behavior of concentration variance and dilution in heterogeneous formations. <i>Water Resources Research</i> , 1999, 35, 623-634.	1.7	56
137	Generalized covariance functions associated with the Laplace Equation and Their use in interpolation and inverse problems. <i>Water Resources Research</i> , 1999, 35, 1361-1367.	1.7	29
138	How Observations and Structure Affect the Geostatistical Solution to the Steady-State Inverse Problem. <i>Ground Water</i> , 1998, 36, 754-763.	0.7	13
139	A Method to Infer In Situ Reaction Rates from Push-Pull Experiments. <i>Ground Water</i> , 1998, 36, 645-650.	0.7	57
140	Concentration fluctuations and dilution in aquifers. <i>Water Resources Research</i> , 1998, 34, 1181-1193.	1.7	131
141	A geostatistical approach to contaminant source identification. <i>Water Resources Research</i> , 1997, 33, 537-546.	1.7	163
142	Stokes Flow in a Slowly Varying Two-Dimensional Periodic Pore. <i>Transport in Porous Media</i> , 1997, 26, 89-98.	1.2	55
143	A variance-ratio test for supporting a variable mean in kriging. <i>Mathematical Geosciences</i> , 1997, 29, 335-348.	0.9	8
144	Advection-diffusion in spatially random flows: Formulation of concentration covariance. <i>Stochastic Hydrology &amp; Hydraulics</i> , 1997, 11, 397-422.	0.5	19

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145	Numerical modeling and uncertainties in rate coefficients for methane utilization and TCE cometabolism by a methane-oxidizing mixed culture. , 1997, 53, 320-331.		50
146	Macrotransport of a Biologically Reacting Solute Through Porous Media. Water Resources Research, 1996, 32, 307-320.	1.7	108
147	Analytical expressions of conditional mean, covariance, and sample functions in geostatistics. Stochastic Hydrology & Hydraulics, 1996, 10, 279-294.	0.5	13
148	On the geostatistical approach to the inverse problem. Advances in Water Resources, 1996, 19, 333-342.	1.7	98
149	Geostatistical interpolation of chemical concentration. Advances in Water Resources, 1996, 19, 369-378.	1.7	48
150	Concentration fluctuations and dilution in two-dimensionally periodic heterogeneous porous media. Transport in Porous Media, 1996, 22, 91-119.	1.2	50
151	Optimization of monitoring well installation time and location during aquifer decontamination. Water Resources Management, 1996, 10, 439-462.	1.9	9
152	Anaerobic Transformation of Chlorinated Aliphatic Hydrocarbons in a Sand Aquifer Based on Spatial Chemical Distributions. Water Resources Research, 1995, 31, 1051-1062.	1.7	91
153	Prediction of single phase transport parameters in a variable aperture fracture. Geophysical Research Letters, 1995, 22, 1425-1428.	1.5	37
154	Quasi-Linear Geostatistical Theory for Inversing. Water Resources Research, 1995, 31, 2411-2419.	1.7	465
155	The concept of the Dilution Index. Water Resources Research, 1994, 30, 2011-2026.	1.7	335
156	Particle-tracking equations for the solution of the advection-dispersion equation with variable coefficients. Water Resources Research, 1994, 30, 3225-3227.	1.7	60
157	Solute dilution at the Borden and Cape Cod groundwater tracer tests. Water Resources Research, 1994, 30, 2883-2890.	1.7	39
158	Analysis of groundwater flow and travel times for a landfill site in an arid region with a thick vadose zone. Hydrological Processes, 1993, 7, 373-387.	1.1	7
159	Generalized covariance functions in estimation. Mathematical Geosciences, 1993, 25, 525-540.	0.9	83
160	Modeling the Free Surface of an Unconfined Aquifer Near a Recirculation Well. Ground Water, 1993, 31, 774-780.	0.7	25
161	Determination of the effective hydraulic conductivity for heterogeneous porous media using a numerical spectral approach: 1. Method. Water Resources Research, 1992, 28, 1155-1166.	1.7	118
162	Determination of the effective hydraulic conductivity for heterogeneous porous media using a numerical spectral approach: 2. Results. Water Resources Research, 1992, 28, 1167-1178.	1.7	72

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163	Generalized Taylor-Aris moment analysis of the transport of sorbing solutes through porous media with spatially-periodic retardation factor. <i>Transport in Porous Media</i> , 1992, 7, 163-185.	1.2	52
164	Optimal Estimation and Scheduling in Aquifer Remediation With Incomplete Information. <i>Water Resources Research</i> , 1991, 27, 2203-2217.	1.7	71
165	Orthonormal residuals in geostatistics: Model criticism and parameter estimation. <i>Mathematical Geosciences</i> , 1991, 23, 741-758.	0.9	64
166	Effective hydraulic conductivity for gradually varying flow. <i>Water Resources Research</i> , 1990, 26, 1197-1208.	1.7	59
167	Optimization of the pumping schedule in aquifer remediation under uncertainty. <i>Water Resources Research</i> , 1990, 26, 875-885.	1.7	72
168	Prediction of transmissivities, heads, and seepage velocities using mathematical modeling and geostatistics. <i>Advances in Water Resources</i> , 1989, 12, 90-102.	1.7	31
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