

Wolfgang Kh Kinzelbach

List of Publications by Year in descending order

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191
papers

7,704
citations

34016

52
h-index

74018

75
g-index

198
all docs

198
docs citations

198
times ranked

6090
citing authors

#	ARTICLE	IF	CITATIONS
1	Groundwater overexploitation in the North China Plain: A path to sustainability. Springer Water, 2022, , .	0.2	7
2	Cropping Choices and Farmersâ€™ Options. Springer Water, 2022, , 53-75.	0.2	0
3	Way Forward. Springer Water, 2022, , 137-154.	0.2	0
4	Decision Support for Local Water Authorities in Guantao. Springer Water, 2022, , 77-136.	0.2	0
5	Policy Options of Over-Pumping Control in the NCP. Springer Water, 2022, , 25-51.	0.2	1
6	Improving parameter and state estimation of a hydrological model with the ensemble square root filter. Advances in Water Resources, 2021, 147, 103813.	1.7	8
7	Closure to “Resolving Conflicts between Irrigation Agriculture and Ecohydrology Using Many-Objective Robust Decision Making” by Yu Li and Wolfgang Kinzelbach. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	1.3	0
8	Resolving Conflicts between Irrigation Agriculture and Ecohydrology Using Many-Objective Robust Decision Making. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	1.3	11
9	How to Meter Agricultural Pumping at Numerous Small-Scale Wells? An Indirect Monitoring Method Using Electric Energy as Proxy. Water (Switzerland), 2020, 12, 2477.	1.2	9
10	Influence of microbial growth on hydraulic properties of pore networks. , 2020, , 45-46.		0
11	Decomposition technique for contributions to groundwater heads from inside and outside of an arbitrary boundary: application to Guantao County, North China Plain. Hydrology and Earth System Sciences, 2019, 23, 2823-2840.	1.9	5
12	Dynamics and driving mechanisms of asymmetric human water consumption during alternating wet and dry periods. Hydrological Sciences Journal, 2019, 64, 507-524.	1.2	18
13	Breakup of Individual Colloidal Aggregates in Turbulent Flow Investigated by 3D Particle Tracking Velocimetry. , 2018, , 83-95.		2
14	Using helicopter TEM to delineate fresh water and salt water zones in the aquifer beneath the Okavango Delta, Botswana. Advances in Water Resources, 2017, 107, 265-279.	1.7	2
15	Breakup of Finite-Size Colloidal Aggregates in Turbulent Flow Investigated by Three-Dimensional (3D) Particle Tracking Velocimetry. Langmuir, 2016, 32, 55-65.	1.6	32
16	Mechanisms of anomalous dispersion in flow through heterogeneous porous media. Physical Review Fluids, 2016, 1, .	1.0	31
17	Food security and sustainable resource management. Water Resources Research, 2015, 51, 4966-4985.	1.7	97
18	Delineation of connectivity structures in 2D heterogeneous hydraulic conductivity fields. Water Resources Research, 2015, 51, 5846-5854.	1.7	21

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19	The turbulent/non-turbulent interface in an inclined dense gravity current. <i>Journal of Fluid Mechanics</i> , 2015, 765, 303-324.	1.4	44
20	Analysis of Thermal Behaviour in the Active Layer of Degrading Mountain Permafrost. <i>Permafrost and Periglacial Processes</i> , 2015, 26, 39-56.	1.5	12
21	Integrated interpretation of helicopter and ground-based geophysical data recorded within the Okavango Delta, Botswana. <i>Journal of Applied Geophysics</i> , 2015, 114, 52-67.	0.9	18
22	Box model and 1D longitudinal model of flow and transport in Bosten Lake, China. <i>Journal of Hydrology</i> , 2015, 524, 62-71.	2.3	7
23	Using an ensemble smoother to evaluate parameter uncertainty of an integrated hydrological model of Yanqi basin. <i>Journal of Hydrology</i> , 2015, 529, 146-158.	2.3	12
24	A combined scanning PTV/LIF technique to simultaneously measure the full velocity gradient tensor and the 3D density field. <i>Measurement Science and Technology</i> , 2014, 25, 065301.	1.4	22
25	Constraining helicopter electromagnetic models of the Okavango Delta with seismic-refraction and seismic-reflection data. <i>Geophysics</i> , 2014, 79, B123-B134.	1.4	9
26	Experimental Investigation of the Influence of the Aortic Stiffness on Hemodynamics in the Ascending Aorta. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2014, 18, 1775-1780.	3.9	25
27	Experimental Characterization of Breakage Rate of Colloidal Aggregates in Axisymmetric Extensional Flow. <i>Langmuir</i> , 2014, 30, 14385-14395.	1.6	35
28	Simultaneous measurement of unfrozen water content and ice content in frozen soil using gamma ray attenuation and TDR. <i>Water Resources Research</i> , 2014, 50, 9630-9655.	1.7	91
29	Hydrogeophysical investigations in the western and north-central Okavango Delta (Botswana) based on helicopter and ground-based transient electromagnetic data and electrical resistance tomography. <i>Geophysics</i> , 2014, 79, B201-B211.	1.4	23
30	Using tree ring data as a proxy for transpiration to reduce predictive uncertainty of a model simulating groundwater–surface water–vegetation interactions. <i>Journal of Hydrology</i> , 2014, 519, 2258-2271.	2.3	53
31	An in vitro investigation of the influence of stenosis severity on the flow in the ascending aorta. <i>Medical Engineering and Physics</i> , 2014, 36, 1147-1155.	0.8	13
32	Experimental study of entrainment and interface dynamics in a gravity current. <i>Experiments in Fluids</i> , 2013, 54, 1.	1.1	23
33	Monitoring and modeling the influence of snow pack and organic soil on a permafrost active layer, Qinghai–Tibetan Plateau of China. <i>Cold Regions Science and Technology</i> , 2013, 90-91, 38-52.	1.6	49
34	Coupling a SVAT heat and water flow model, a stomatal-photosynthesis model and a crop growth model to simulate energy, water and carbon fluxes in an irrigated maize ecosystem. <i>Agricultural and Forest Meteorology</i> , 2013, 176, 10-24.	1.9	24
35	Effects of mean shear on the local turbulent entrainment process. <i>Journal of Fluid Mechanics</i> , 2013, 731, 95-116.	1.4	41
36	On the relationship between atmospheric circulation patterns, recharge and soil moisture dynamics in Switzerland. <i>Journal of Hydrology</i> , 2013, 502, 1-9.	2.3	5

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37	A new stochastic particle-tracking approach for fractured sedimentary formations. <i>Water Resources Research</i> , 2013, 49, 352-359.	1.7	16
38	Paleo-megalake and paleo-megafan in southern Africa. <i>Geology</i> , 2013, 41, 1155-1158.	2.0	33
39	Characterization and Monitoring of the Furggwanhorn Rock Glacier, Turtmann Valley, Switzerland: Results from 2010 to 2012. <i>Vadose Zone Journal</i> , 2013, 12, 1-15.	1.3	52
40	Calibrated Landsat TM LAI retrieval for monitoring vegetation cover change after ecological releases to the lower Tarim river. , 2012, , .		1
41	Investigations on the local entrainment velocity in a turbulent jet. <i>Physics of Fluids</i> , 2012, 24, .	1.6	64
42	Economic valuation of benefits and costs associated with the coordinated development and management of the Zambezi river basin. <i>Water Policy</i> , 2012, 14, 490-508.	0.7	32
43	The cost of noncooperation in international river basins. <i>Water Resources Research</i> , 2012, 48, .	1.7	33
44	Experimental study of aortic flow in the ascending aorta via Particle Tracking Velocimetry. <i>Experiments in Fluids</i> , 2012, 53, 1469-1485.	1.1	75
45	Modelling irrigated maize with a combination of coupled-model simulation and uncertainty analysis, in the northwest of China. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 1465-1480.	1.9	41
46	A comparison study of two different control criteria for the real-time management of urban groundwater works. <i>Journal of Environmental Management</i> , 2012, 105, 21-29.	3.8	9
47	An expert system for real-time well field management. <i>Water Science and Technology: Water Supply</i> , 2012, 12, 699-706.	1.0	2
48	Operational real-time modeling with ensemble Kalman filter of variably saturated subsurface flow including stream-aquifer interaction and parameter updating. <i>Water Resources Research</i> , 2011, 47, .	1.7	70
49	Analytical model for environmental tracer transport in well catchments. <i>Water Resources Research</i> , 2011, 47, .	1.7	2
50	Analysis of the impact of climate change on groundwater related hydrological fluxes: a multi-model approach including different downscaling methods. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 21-38.	1.9	101
51	What can we learn from long-term groundwater data to improve climate change impact studies?. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 3861-3875.	1.9	32
52	Hydrological real-time modelling in the Zambezi river basin using satellite-based soil moisture and rainfall data. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 999-1008.	1.9	45
53	Time-resolved 3D visualization of air injection in a liquid-saturated refractive-index-matched porous medium. <i>Experiments in Fluids</i> , 2011, 50, 1659-1670.	1.1	15
54	Simultaneous two-scale 3D-PTV measurements in turbulence under the influence of system rotation. <i>Experiments in Fluids</i> , 2011, 51, 75-82.	1.1	18

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55	Experimental Analysis of the Lagrangian Flow Field in an Ascending Aorta by Particle Tracking Velocimetry. IFMBE Proceedings, 2011, , 595-598.	0.2	1
56	Compaction and size segregation in a liquid-saturated grain packing due to pulsation effect during air injection. Chemical Engineering Science, 2010, 65, 2680-2688.	1.9	7
57	Sediment Transport Monitoring and Short Term Modeling in the Okavango Delta, Botswana. Wetlands, 2010, 30, 417-428.	0.7	4
58	Estimating future ecoregion distributions within the Okavango Delta Wetlands based on hydrological simulations and future climate and development scenarios. Journal of Hydrology, 2010, 381, 89-100.	2.3	51
59	Morphodynamics during air injection into water-saturated movable spherical granulates. Chemical Engineering Science, 2010, 65, 4652-4660.	1.9	26
60	Viscous tilting and production of vorticity in homogeneous turbulence. Physics of Fluids, 2010, 22, .	1.6	14
61	Topography of inland deltas: Observations, modeling, and experiments. Geophysical Research Letters, 2010, 37, .	1.5	9
62	Accounting for subgrid scale topographic variations in flood propagation modeling using MODFLOW. Water Resources Research, 2010, 46, .	1.7	9
63	Real-Time Management of an Urban Groundwater Well Field Threatened by Pollution. Environmental Science & Technology, 2010, 44, 6802-6807.	4.6	20
64	Spatial mapping of submerged cave systems by means of airborne electromagnetics: an emerging technology to support protection of endangered karst aquifers. Near Surface Geophysics, 2009, 7, 613-627.	0.6	21
65	On turbulent entrainment and dissipation in dilute polymer solutions. Physics of Fluids, 2009, 21, 035107.	1.6	18
66	Ensemble Kalman filtering versus sequential self-calibration for inverse modelling of dynamic groundwater flow systems. Journal of Hydrology, 2009, 365, 261-274.	2.3	85
67	Noble gas tracers for characterisation of flow dynamics and origin of groundwater: A case study in Switzerland. Journal of Hydrology, 2009, 370, 64-72.	2.3	45
68	Calibration of a groundwater model using pattern information from remote sensing data. Journal of Hydrology, 2009, 377, 120-130.	2.3	57
69	Multiobjective Groundwater Management Using Evolutionary Algorithms. IEEE Transactions on Evolutionary Computation, 2009, 13, 229-242.	7.5	44
70	Regional review: the hydrology of the Okavango Delta, Botswanaâ€™ processes, data and modelling. Hydrogeology Journal, 2009, 17, 1297-1328.	0.9	85
71	Experiments on the spreading of shear-free turbulence under the influence of confinement and rotation. Experiments in Fluids, 2009, 47, 801-809.	1.1	4
72	The role of remote sensing in hydrological modelling of the Okavango Delta, Botswana. Journal of Environmental Management, 2009, 90, 2252-2260.	3.8	39

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73	Migration of air channels: An instability of air flow in mobile saturated porous media. <i>Chemical Engineering Science</i> , 2009, 64, 1528-1535.	1.9	27
74	Homogenization of the transport behavior of nonlinearly adsorbing pollutants in physically and chemically heterogeneous aquifers. <i>Advances in Water Resources</i> , 2009, 32, 767-777.	1.7	11
75	A stochastic model for air injection into saturated porous media. <i>Advances in Water Resources</i> , 2009, 32, 1180-1186.	1.7	13
76	Simulation of birdfoot delta formation with application to the Mississippi Delta. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	29
77	Acceleration, pressure and related quantities in the proximity of the turbulent/non-turbulent interface. <i>Journal of Fluid Mechanics</i> , 2009, 639, 153-165.	1.4	26
78	Entrainment Reduction and Additional Dissipation in Dilute Polymer Solutions. <i>Springer Proceedings in Physics</i> , 2009, , 207-210.	0.1	0
79	Topography representation methods for improving evaporation simulation in groundwater modeling. <i>Journal of Hydrology</i> , 2008, 356, 199-208.	2.3	28
80	Experimental study on clustering of large particles in homogeneous turbulent flow. <i>Journal of Turbulence</i> , 2008, 9, N34.	0.5	16
81	Extracting phreatic evaporation from remotely sensed maps of evapotranspiration. <i>Water Resources Research</i> , 2008, 44, .	1.7	48
82	Equally likely inverse solutions to a groundwater flow problem including pattern information from remote sensing images. <i>Water Resources Research</i> , 2008, 44, .	1.7	39
83	Real-time groundwater flow modeling with the Ensemble Kalman Filter: Joint estimation of states and parameters and the filter inbreeding problem. <i>Water Resources Research</i> , 2008, 44, .	1.7	228
84	A Lagrangian investigation of the small-scale features of turbulent entrainment through particle tracking and direct numerical simulation. <i>Journal of Fluid Mechanics</i> , 2008, 598, 465-475.	1.4	107
85	Small-scale aspects of flows in proximity of the turbulent/nonturbulent interface. <i>Physics of Fluids</i> , 2007, 19, 071702.	1.6	72
86	Generating soil electrical conductivity maps at regional level by integrating measurements on the ground and remote sensing data. <i>International Journal of Remote Sensing</i> , 2007, 28, 3341-3361.	1.3	59
87	Field experiments yield new insights into gas exchange and excess air formation in natural porous media. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 1385-1397.	1.6	65
88	Okavango Delta Islands: Interaction between density-driven flow and geochemical reactions under evapo-concentration. <i>Journal of Hydrology</i> , 2007, 335, 389-405.	2.3	55
89	Velocity and temperature derivatives in high-Reynolds-number turbulent flows in the atmospheric surface layer. Part 1. Facilities, methods and some general results. <i>Journal of Fluid Mechanics</i> , 2007, 589, 57-81.	1.4	72
90	Velocity and temperature derivatives in high-Reynolds-number turbulent flows in the atmospheric surface layer. Part 2. Accelerations and related matters. <i>Journal of Fluid Mechanics</i> , 2007, 589, 83-102.	1.4	38

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91	Velocity and temperature derivatives in high- Reynolds-number turbulent flows in the atmospheric surface layer. Part 3. Temperature and joint statistics of temperature and velocity derivatives. Journal of Fluid Mechanics, 2007, 589, 103-123.	1.4	34
92	An experimental investigation on Lagrangian correlations of small-scale turbulence at low Reynolds number. Journal of Fluid Mechanics, 2007, 574, 405-427.	1.4	27
93	How can remote sensing contribute in groundwater modeling?. Hydrogeology Journal, 2007, 15, 5-18.	0.9	111
94	Salinization of groundwater in the Nefzawa oases region, Tunisia: results of a regional-scale hydrogeologic approach. Hydrogeology Journal, 2007, 15, 1357-1375.	0.9	74
95	Three-dimensional saltwaterâ€“freshwater fingering in porous media: contrast agent MRI as basis for numerical simulations. Magnetic Resonance Imaging, 2007, 25, 537-540.	1.0	11
96	Dilute polymers in an oscillating grid turbulent flow. Springer Proceedings in Physics, 2007, , 191-193.	0.1	0
97	Simultaneous measurements of the fluid and the solid phases in homogeneous turbulence: preliminary results at $Re_{\lambda} = 250$. , 2007, , 271-283.		0
98	A regional coupled surface water/groundwater model of the Okavango Delta, Botswana. Water Resources Research, 2006, 42, .	1.7	81
99	A multiobjective discrete stochastic optimization approach to shared aquifer management: Methodology and application. Water Resources Research, 2006, 42, .	1.7	22
100	Coupled flow and salinity transport modelling in semi-arid environments: The Shashe River Valley, Botswana. Journal of Hydrology, 2006, 316, 163-183.	2.3	69
101	Numerical simulation of three-dimensional saltwaterâ€“freshwater fingering instabilities observed in a porous medium. Advances in Water Resources, 2006, 29, 1690-1704.	1.7	39
102	Geoelectrical imaging of groundwater salinization in the Okavango Delta, Botswana. Journal of Applied Geophysics, 2006, 60, 126-141.	0.9	103
103	Generalized detection of a turbulent front generated by an oscillating grid. Experiments in Fluids, 2006, 41, 711-719.	1.1	41
104	Salt transport on islands in the Okavango Delta: Numerical investigations. Advances in Water Resources, 2006, 29, 11-29.	1.7	59
105	On turbulent kinetic energy production and dissipation in dilute polymer solutions. Physics of Fluids, 2006, 18, 125101.	1.6	37
106	Stretching and tilting of material lines in turbulence: The effect of strain and vorticity. Physical Review E, 2006, 73, 036303.	0.8	3
107	Sustainable irrigation in the Yanqi basin, China. WIT Transactions on Ecology and the Environment, 2006, , .	0.0	1
108	3D scanning particle tracking velocimetry. Experiments in Fluids, 2005, 39, 923-934.	1.1	96

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109	Experimental study of the structure of flow regions with negative turbulent kinetic energy production in confined three-dimensional shear flows with and without buoyancy. <i>Physics of Fluids</i> , 2005, 17, 095110.	1.6	33
110	Turbulence in dilute polymer solutions. <i>Physics of Fluids</i> , 2005, 17, 031707.	1.6	42
111	Lagrangian measurement of vorticity dynamics in turbulent flow. <i>Journal of Fluid Mechanics</i> , 2005, 528, 87-118.	1.4	273
112	On the evolution of material lines and vorticity in homogeneous turbulence. <i>Journal of Fluid Mechanics</i> , 2005, 533, .	1.4	52
113	Homogenization and effective parameters for the Henry problem in heterogeneous formations. <i>Water Resources Research</i> , 2005, 41, .	1.7	48
114	Bed forms in turbulent channel flow. <i>Applied Mechanics Reviews</i> , 2004, 57, 77-93.	4.5	24
115	Investigation of hydrogeologic processes in a dipping layer structure: 1. The flow barrier effect. <i>Journal of Contaminant Hydrology</i> , 2004, 69, 157-172.	1.6	31
116	Investigation of hydrogeologic processes in a dipping layer structure. <i>Journal of Contaminant Hydrology</i> , 2004, 69, 173-194.	1.6	22
117	Modeling of a microbial growth experiment with bioclogging in a two-dimensional saturated porous media flow field. <i>Journal of Contaminant Hydrology</i> , 2004, 70, 37-62.	1.6	113
118	Water-soluble gases as partitioning tracers to investigate the pore volumeâ€“transmissivity correlation in a fracture. <i>Journal of Contaminant Hydrology</i> , 2004, 75, 31-54.	1.6	3
119	Exact transverse macro dispersion coefficients for transport in heterogeneous porous media. <i>Stochastic Environmental Research and Risk Assessment</i> , 2004, 18, 9-15.	1.9	58
120	Experimental and theoretical investigations of drainage in horizontal rough-walled fractures with different correlation structures. <i>Advances in Water Resources</i> , 2004, 27, 1217-1231.	1.7	29
121	Using remote sensing to regionalize local precipitation recharge rates obtained from the Chloride Method. <i>Journal of Hydrology</i> , 2004, 294, 241-241.	2.3	2
122	Semianalytical uncertainty estimation of well catchments: Conditioning by head and transmissivity data. <i>Water Resources Research</i> , 2004, 40, .	1.7	14
123	Estimation of the evapotranspiration rate from diurnal groundwater level fluctuations in the Okavango Delta, Botswana. <i>Journal of Hydrology</i> , 2004, 288, 344-355.	2.3	63
124	Joint estimation of transmissivities and rechargesâ€“application: stochastic characterization of well capture zones. <i>Journal of Hydrology</i> , 2004, 294, 87-102.	2.3	26
125	Three-dimensional physical benchmark experiments to test variable-density flow models. <i>Journal of Hydrology</i> , 2004, 290, 22-42.	2.3	88
126	Using remote sensing to regionalize local precipitation recharge rates obtained from the Chloride Method. <i>Journal of Hydrology</i> , 2004, 294, 241-250.	2.3	82

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127	Large Scale Mixing for Immiscible Displacement in Heterogeneous Porous Media. <i>Transport in Porous Media</i> , 2003, 51, 287-314.	1.2	28
128	Effects of pore volumeâ€“transmissivity correlation on transport phenomena. <i>Journal of Contaminant Hydrology</i> , 2003, 67, 195-217.	1.6	26
129	Kinetic Model of Gas Bubble Dissolution in Groundwater and Its Implications for the Dissolved Gas Composition. <i>Environmental Science & Technology</i> , 2003, 37, 1337-1343.	4.6	123
130	Multiscale Modeling of Nonlinearly Adsorbing Solute Transport. <i>Multiscale Modeling and Simulation</i> , 2003, 1, 408-431.	0.6	5
131	Numerical studies of the transport behavior of a passive solute in a two-dimensional incompressible random flow field. <i>Physical Review E</i> , 2003, 67, 046306.	0.8	20
132	Is the turbulent wind in convective flows driven by fluctuations?. <i>Physics of Fluids</i> , 2003, 15, 2313-2320.	1.6	29
133	Sustainable groundwater management â€” problems and scientific tools. <i>Episodes</i> , 2003, 26, 279-284.	0.8	66
134	Flood Discharge Prediction using Two-Dimensional Inverse Modeling. <i>Journal of Hydraulic Engineering</i> , 2002, 128, 46-54.	0.7	19
135	Temporal behavior of a solute cloud in a heterogeneous porous medium 3. Numerical simulations. <i>Water Resources Research</i> , 2002, 38, 23-1-23-13.	1.7	49
136	Uncertainty estimation of well catchments in heterogeneous aquifers. <i>Water Resources Research</i> , 2002, 38, 20-1-20-8.	1.7	28
137	Macrodispersivity for transport in arbitrary nonuniform flow fields: Asymptotic and preasymptotic results. <i>Water Resources Research</i> , 2002, 38, 5-1-5-11.	1.7	37
138	Experimental investigations on the formation of excess air in quasi-saturated porous media. <i>Geochimica Et Cosmochimica Acta</i> , 2002, 66, 4103-4117.	1.6	88
139	An NMR study of single- and two-phase flow in fault gouge filled fractures. <i>Journal of Hydrology</i> , 2002, 259, 236-245.	2.3	18
140	Conditional first-order second-moment method and its application to the quantification of uncertainty in groundwater modeling. <i>Water Resources Research</i> , 2002, 38, 6-1-6-14.	1.7	70
141	Variations of Permeability and Pore Size Distribution of Porous Media with Pressure. <i>Journal of Environmental Quality</i> , 2002, 31, 500.	1.0	13
142	Nuclear Magnetic Resonance Imaging for Studies of Flow and Transport in Porous Media. <i>Journal of Environmental Quality</i> , 2002, 31, 477.	1.0	24
143	Nuclear Magnetic Resonance Imaging for Studies of Flow and Transport in Porous Media. <i>Journal of Environmental Quality</i> , 2002, 31, 477-486.	1.0	18
144	Variations of Permeability and Pore Size Distribution of Porous Media with Pressure. <i>Journal of Environmental Quality</i> , 2002, 31, 500-505.	1.0	10

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145	Interaction between water flow and spatial distribution of microbial growth in a two-dimensional flow field in saturated porous media. <i>Journal of Contaminant Hydrology</i> , 2002, 58, 169-189.	1.6	105
146	The saltpool benchmark problem – numerical simulation of saltwater upconing in a porous medium. <i>Advances in Water Resources</i> , 2002, 25, 335-348.	1.7	84
147	Title is missing!. <i>Transport in Porous Media</i> , 2002, 47, 169-193.	1.2	21
148	Influence of Microbial Growth on Hydraulic Properties of Pore Networks. <i>Transport in Porous Media</i> , 2002, 49, 99-122.	1.2	152
149	Nuclear magnetic resonance imaging for studies of flow and transport in porous media. <i>Journal of Environmental Quality</i> , 2002, 31, 477-86.	1.0	1
150	Variations of permeability and pore size distribution of porous media with pressure. <i>Journal of Environmental Quality</i> , 2002, 31, 500-5.	1.0	2
151	Macrodispersion in a radially diverging flow field with finite Peclet Numbers: 2. Homogenization theory approach. <i>Water Resources Research</i> , 2001, 37, 495-505.	1.7	10
152	Macrodispersion in a radially diverging flow field with finite Peclet Numbers: 1. Perturbation theory approach. <i>Water Resources Research</i> , 2001, 37, 481-493.	1.7	18
153	Environmental tracer transport (3H and SF6) in the saturated and unsaturated zones and its use in nitrate pollution management. <i>Journal of Hydrology</i> , 2001, 240, 187-205.	2.3	81
154	Cyclic hysteretic flow in porous medium column: model, experiment, and simulations. <i>Journal of Hydrology</i> , 2001, 240, 264-275.	2.3	38
155	Exploring an aquifer system by integrating hydraulic, hydrogeologic and environmental tracer data in a three-dimensional hydrodynamic transport model. <i>Journal of Hydrology</i> , 2001, 242, 183-196.	2.3	31
156	Simulation of Pollutant Transport Using a Particle Method. <i>Journal of Computational Physics</i> , 2001, 173, 322-347.	1.9	35
157	Transport of a decay chain in homogenous porous media: analytical solutions. <i>Journal of Contaminant Hydrology</i> , 2001, 49, 217-239.	1.6	72
158	Application of 2D random generators to the study of solute transport in fractures. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2001, 24, 397-403.	0.6	1
159	Simultaneous measurement of particle and fluid velocities in a plane mixing layer with dispersion. <i>Experiments in Fluids</i> , 2000, 29, 486-493.	1.1	7
160	Validation of the dual pumping technique for level-determined groundwater sampling in a contaminated aquifer. <i>Journal of Hydrology</i> , 2000, 235, 104-116.	2.3	4
161	Computation of stochastic wellhead protection zones by combining the first-order second-moment method and Kolmogorov backward equation analysis. <i>Journal of Hydrology</i> , 2000, 237, 127-146.	2.3	34
162	Temporal behavior of a solute cloud in a heterogeneous porous medium: 1. Point-like injection. <i>Water Resources Research</i> , 2000, 36, 3591-3604.	1.7	155

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163	Temporal behavior of a solute cloud in a heterogeneous porous medium: 2. Spatially extended injection. <i>Water Resources Research</i> , 2000, 36, 3605-3614.	1.7	53
164	Two-phase flow processes in porous media producing geometric patterns. , 2000, , 191-200.		0
165	Laminar separation on a forward facing step. <i>European Journal of Mechanics, B/Fluids</i> , 1999, 18, 675-692.	1.2	90
166	Asymptotic transport parameters in a heterogeneous porous medium: Comparison of two ensemble-averaging procedures. <i>Stochastic Environmental Research and Risk Assessment</i> , 1999, 13, 396-415.	1.9	7
167	Temporal behaviour of a solute cloud in a chemically heterogeneous porous medium. <i>Journal of Fluid Mechanics</i> , 1999, 386, 77-104.	1.4	69
168	Simulation of reactive processes related to biodegradation in aquifers. <i>Journal of Contaminant Hydrology</i> , 1998, 31, 167-186.	1.6	154
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