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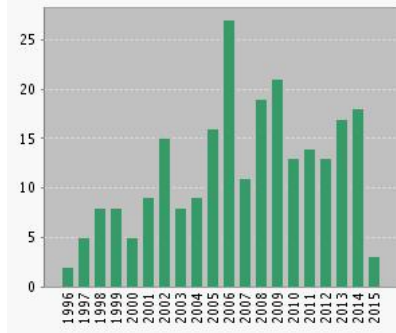
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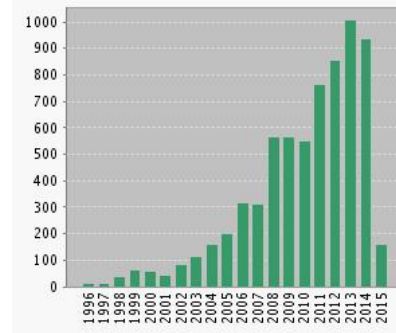
AUTHOR: (Simunek J*) AND ADDRESS: (Riverside)

Timespan=All years.

Published Items in Each Year



Citations in Each Year



Results found: 249
Sum of the Times Cited: 6831
Average Citations per Item: 27.43
h-index: 44

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
1. Title: Review and comparison of models for describing non-equilibrium and preferential flow and transport in the vadose zone By: Simunek, J; Jarvis, NJ; van Genuchten, MT; et al. Source: JOURNAL OF HYDROLOGY Volume: 272 Issue: 1-4 Pages: 14-35 Article Number: PII S0022-1694(02)00252-4 Published: MAR 10 2003	35	48	30	37	6	339	26.08
2. Title: Development and applications of the HYDRUS and STANMOD software packages and related codes By: Simunek, Jiri; van Genuchten, Martinus Th.; Sejna, Miroslav Source: VADOSE ZONE JOURNAL Volume: 7 Issue: 2 Pages: 587-600 Published: MAY 2008	36	50	68	61	9	269	33.62
3. Title: Modeling colloid attachment, straining, and exclusion in saturated porous media By: Bradford, SA; Simunek, J; Bettahar, M; et al. Source: ENVIRONMENTAL SCIENCE & TECHNOLOGY Volume: 37 Issue: 10 Pages: 2242-2250 Published: MAY 15 2003	27	21	27	30	4	226	17.38
4. Title: Physical factors affecting the transport and fate of colloids in saturated porous media By: Bradford, SA; Yates, SR; Bettahar, M; et al. Source: WATER RESOURCES RESEARCH Volume: 38 Issue: 12 Article Number: 1327 Published: DEC 31 2002	19	12	21	23	5	217	15.50
5. Title: MODELING OF CARBON-DIOXIDE TRANSPORT AND PRODUCTION IN SOIL .1. MODEL DEVELOPMENT By: SIMUNEK, J; SUAREZ, DL Source: WATER RESOURCES RESEARCH Volume: 29 Issue: 2 Pages: 487-497 Published: FEB 1993	15	12	15	8	2	153	6.65
6. Title: Estimating unsaturated soil hydraulic properties from tension disc infiltrometer data by numerical inversion By: Simunek, J; vanGenuchten, MT Source: WATER RESOURCES RESEARCH Volume: 32 Issue: 9 Pages: 2683-2696 Published: SEP 1996	8	6	12	14	2	145	7.25
7. Title: Fate and transport of 17 beta-estradiol in soil-water systems By: Casey, FXM; Larsen, GL; Hakk, H; et al. Source: ENVIRONMENTAL SCIENCE & TECHNOLOGY Volume: 37 Issue: 11 Pages: 2400-2409 Published: JUN 1 2003	11	13	13	16	1	138	10.62
8.	10	12	20	12	2	127	8.47

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
<p>Title: Calibration of a two-dimensional root water uptake model By: Vrugt, JA; Hopmans, JW; Simunek, J Source: SOIL SCIENCE SOCIETY OF AMERICA JOURNAL Volume: 65 Issue: 4 Pages: 1027-1037 Published: JUL-AUG 2001</p>							
9.	15	22	28	20	5	118	14.75
<p>Title: Modeling nonequilibrium flow and transport processes using HYDRUS By: Simunek, Jirka; van Genuchten, Martinus Th. Source: VADOSE ZONE JOURNAL Volume: 7 Issue: 2 Pages: 782-797 Published: MAY 2008</p>							
10.	8	12	12	12	3	111	7.40
<p>Title: One-, two-, and three-dimensional root water uptake functions for transient modeling By: Vrugt, JA; van Wijk, MT; Hopmans, JW; et al. Source: WATER RESOURCES RESEARCH Volume: 37 Issue: 10 Pages: 2457-2470 Published: OCT 2001</p>							

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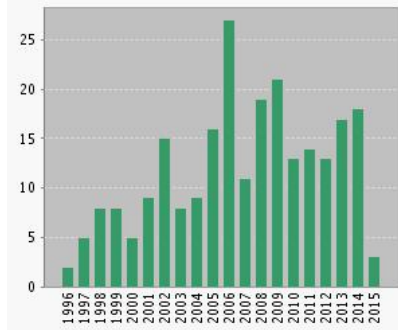
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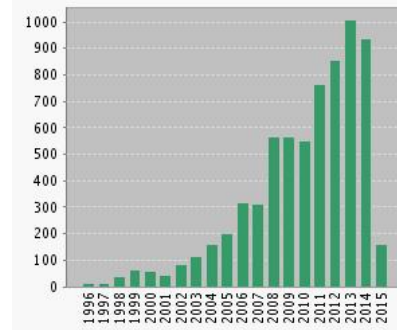
AUTHOR: (Simunek J*) AND ADDRESS: (Riverside)

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11. Title: Water flow and heat transport in frozen soil: Numerical solution and freeze-thaw applications By: Hansson, K; Simunek, J; Mizoguchi, M; et al. Source: VADOSE ZONE JOURNAL Volume: 3 Issue: 2 Pages: 693-704 Published: MAY 2004	18	15	23	19	4	108	9.00
12. Title: Comparison of HYDRUS-2D simulations of drip irrigation with experimental observations By: Skaggs, TH; Trout, TJ; Simunek, J; et al. Source: JOURNAL OF IRRIGATION AND DRAINAGE ENGINEERING-ASCE Volume: 130 Issue: 4 Pages: 304-310 Published: JUL-AUG 2004	15	15	21	11	1	106	8.83
13. Title: Straining and attachment of colloids in physically heterogeneous porous media By: Bradford, SA; Bettahar, M; Simunek, J; et al. Source: VADOSE ZONE JOURNAL Volume: 3 Issue: 2 Pages: 384-394 Published: MAY 2004	8	7	11	9	1	100	8.33
14. Title: A review of model applications for structured soils: a) Water flow and tracer transport By: Koehne, John Maximilian; Koehne, Sigrid; Simunek, Jirka Source: JOURNAL OF CONTAMINANT HYDROLOGY Volume: 104 Issue: 1-4 Special Issue: SI Pages: 4-35 Published: FEB 16 2009	9	26	20	21	3	92	13.14
15. Title: Significance of straining in colloid deposition: Evidence and implications By: Bradford, S. A.; Simunek, J.; Bettahar, M.; et al. Source: WATER RESOURCES RESEARCH Volume: 42 Issue: 12 Article Number: W12S15 Published: NOV 1 2006	12	13	13	8	0	89	8.90
16. Title: UNSATCHEM: Unsaturated water and solute transport model with equilibrium and kinetic chemistry By: Suarez, DL; Simunek, J Source: SOIL SCIENCE SOCIETY OF AMERICA JOURNAL Volume: 61 Issue: 6 Pages: 1633-1646 Published: NOV-DEC 1997	7	11	6	6	1	88	4.63
17. Title: Numerical analysis of coupled water, vapor, and heat transport in the vadose zone By: Saito, H; Simunek, J; Mohanty, BP Source: VADOSE ZONE JOURNAL Volume: 5 Issue: 2 Pages: 784-800 Published: MAY 2006	13	13	14	19	1	87	8.70
18.	15	14	18	9	2	87	7.91

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
<p>Title: Two-dimensional modeling of nitrate leaching for various fertigation scenarios under micro-irrigation By: Gardenas, AI; Hopmans, JW; Hanson, BR; et al. Source: AGRICULTURAL WATER MANAGEMENT Volume: 74 Issue: 3 Pages: 219-242 Published: JUN 15 2005</p>							
19.	8	2	6	2	1	85	4.72
<p>Title: Parameter estimation analysis of the evaporation method for determining soil hydraulic properties By: Simunek, J; Wendroth, O; van Genuchten, MT Source: SOIL SCIENCE SOCIETY OF AMERICA JOURNAL Volume: 62 Issue: 4 Pages: 894-905 Published: JUL-AUG 1998</p>							
20.	3	2	4	2	1	82	3.73
<p>Title: 2-DIMENSIONAL TRANSPORT MODEL FOR VARIABLY SATURATED POROUS-MEDIA WITH MAJOR ION CHEMISTRY By: SIMUNEK, J; SUAREZ, DL Source: WATER RESOURCES RESEARCH Volume: 30 Issue: 4 Pages: 1115-1133 Published: APR 1994</p>							

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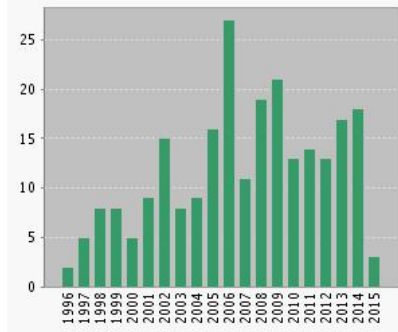
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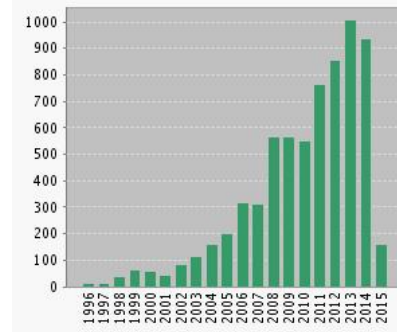
AUTHOR: (Simunek J*) AND ADDRESS: (Riverside)

Timespan=All years.

Published Items in Each Year



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	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
21. Title: Sorption, mobility, and transformation of estrogenic hormones in natural soil By: Casey, FXM; Simunek, J; Lee, J; et al. Source: JOURNAL OF ENVIRONMENTAL QUALITY Volume: 34 Issue: 4 Pages: 1372-1379 Published: JUL-AUG 2005	12	9	6	11	1	78	7.09
22. Title: Flow rate dependence of soil hydraulic characteristics By: Wildenschild, D; Hopmans, JW; Simunek, J Source: SOIL SCIENCE SOCIETY OF AMERICA JOURNAL Volume: 65 Issue: 1 Pages: 35-48 Published: JAN-FEB 2001	7	6	5	4	0	77	5.13
23. Title: Fate and transport of testosterone in agricultural soils By: Casey, FXM; Hakk, H; Simunek, J; et al. Source: ENVIRONMENTAL SCIENCE & TECHNOLOGY Volume: 38 Issue: 3 Pages: 790-798 Published: FEB 1 2004	7	8	8	9	1	75	6.25
24. Title: Modeling compensated root water and nutrient uptake By: Simunek, Jiri; Hopmans, Jan W. Source: ECOLOGICAL MODELLING Volume: 220 Issue: 4 Pages: 505-521 Published: FEB 24 2009	14	21	16	13	5	74	10.57
25. Title: Colloid-facilitated solute transport in variably saturated porous media: Numerical model and experimental verification By: Simunek, Jirka; He, Changming; Pang, Liping; et al. Source: VADOSE ZONE JOURNAL Volume: 5 Issue: 3 Pages: 1035-1047 Published: AUG 2006	7	9	12	11	3	72	7.20
26. Title: A review of model applications for structured soils: b) Pesticide transport By: Koehne, John Maximilian; Koehne, Sigrid; Simunek, Jirka Source: JOURNAL OF CONTAMINANT HYDROLOGY Volume: 104 Issue: 1-4 Pages: 36-60 Published: FEB 16 2009	11	16	19	8	4	69	9.86
27. Title: Transport and straining of E-coli O157 : H7 in saturated porous media By: Bradford, Scott A.; Simunek, Jirka; Walker, Sharon L. Source: WATER RESOURCES RESEARCH Volume: 42 Issue: 12 Article Number: W12S12 Published: NOV 18 2006	12	4	12	6	2	69	6.90
28. Title: Estimating unsaturated soil hydraulic properties from multiple tension disc infiltrometer data By: Simunek, J; vanGenuchten, MT Source: SOIL SCIENCE Volume: 162 Issue: 6 Pages: 383-398 Published: JUN 1997	2	3	6	4	1	69	3.63

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
29. Title: Variations in flow and transport in thick desert vadose zones in response to paleoclimatic forcing (0-90 kyr): Field measurements, modeling, and uncertainties By: Scanlon, BR; Keese, K; Reedy, RC; et al. Source: WATER RESOURCES RESEARCH Volume: 39 Issue: 7 Article Number: 1179 Published: JUL 10 2003	5	3	7	3	0	66	5.08
30. Title: Evaluation of urea-ammonium-nitrate fertigation with drip irrigation using numerical modeling By: Hanson, Blaine R.; Simunek, Jirka; Hopmans, Jan W. Source: AGRICULTURAL WATER MANAGEMENT Volume: 86 Issue: 1-2 Pages: 102-113 Published: NOV 16 2006	10	10	16	8	4	65	6.50

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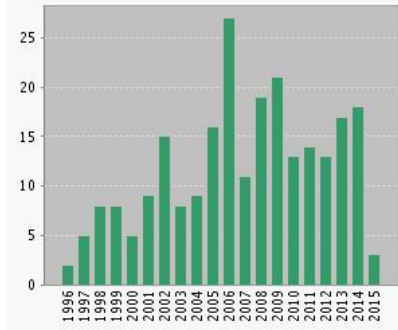
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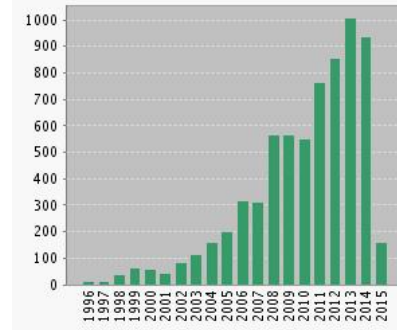
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AUTHOR: (Simunek J*) AND ADDRESS: (Riverside)
Timespan=All years.

Published Items in Each Year



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h-index: 44

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
31. Title: Impact of rainfall intensity on the transport of two herbicides in undisturbed grassed filter strip soil cores By: Pot, V; Simunek, J; Benoit, P; et al. Source: JOURNAL OF CONTAMINANT HYDROLOGY Volume: 81 Issue: 1-4 Pages: 63-88 Published: DEC 2005	9	8	6	11	0	65	5.91
32. Title: Using an inverse method to estimate the hydraulic properties of crusted soils from tension-disc infiltrometer data By: Simunek, J; Angulo-Jaramillo, R; Schaap, MG; et al. Source: GEODERMA Volume: 86 Issue: 1-2 Pages: 61-81 Published: OCT 1998	5	7	6	7	1	63	3.50
33. Title: Leaching requirement for soil salinity control: Steady-state versus transient models By: Corwin, Dennis L.; Rhoades, James D.; Simunek, Jirka Source: AGRICULTURAL WATER MANAGEMENT Volume: 90 Issue: 3 Pages: 165-180 Published: JUN 16 2007	12	6	14	10	2	60	6.67
34. Title: Modeling variably saturated water flow and multicomponent reactive transport in constructed wetlands By: Langergraber, G; Simunek, J Source: VADOSE ZONE JOURNAL Volume: 4 Issue: 4 Pages: 924-938 Published: NOV 2005	7	7	6	6	2	60	5.45
35. Title: Simultaneous estimation of soil hydraulic and solute transport parameters from transient infiltration experiments By: Inoue, M; Simunek, J; Shiozawa, S; et al. Source: ADVANCES IN WATER RESOURCES Volume: 23 Issue: 7 Pages: 677-688 Published: JUN 2000	4	4	1	3	0	56	3.50
36. Title: MODELING OF CARBON-DIOXIDE TRANSPORT AND PRODUCTION IN SOIL .2. PARAMETER SELECTION, SENSITIVITY ANALYSIS, AND COMPARISON OF MODEL PREDICTIONS TO FIELD DATA By: SUAREZ, DL; SIMUNEK, J Source: WATER RESOURCES RESEARCH Volume: 29 Issue: 2 Pages: 499-513 Published: FEB 1993	2	5	3	4	0	53	2.30
37. Title: Transport of sulfadiazine in soil columns - Experiments and modelling approaches By: Wehrhan, Anne; Kasteel, Roy; Simunek, Jirka; et al.	10	3	9	5	0	50	5.56

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
Source: JOURNAL OF CONTAMINANT HYDROLOGY Volume: 89 Issue: 1-2 Pages: 107-135 Published: JAN 5 2007							
38.	7	5	8	9	1	47	5.22
Title: Bacteria transport and deposition under unsaturated conditions: The role of the matrix grain size and the bacteria surface protein By: Gargiulo, G.; Bradford, S.; Simunek, J.; et al. Source: JOURNAL OF CONTAMINANT HYDROLOGY Volume: 92 Issue: 3-4 Pages: 255-273 Published: JUL 17 2007							
39.	4	4	4	5	0	47	4.27
Title: System-dependent boundary condition for water flow from subsurface source By: Lazarovitch, N; Simunek, J; Shani, U Source: SOIL SCIENCE SOCIETY OF AMERICA JOURNAL Volume: 69 Issue: 1 Pages: 46-50 Published: JAN-FEB 2005							
40.	9	4	3	2	0	47	3.36
Title: Intercode comparisons for simulating water balance of surficial sediments in semiarid regions By: Scanlon, BR; Christman, M; Reedy, RC; et al. Source: WATER RESOURCES RESEARCH Volume: 38 Issue: 12 Article Number: 1323 Published: DEC 31 2002							

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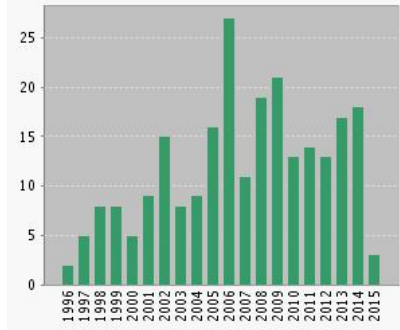
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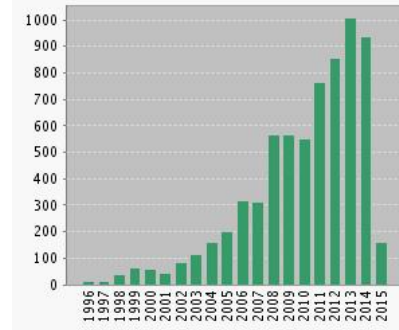
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	762	854	1006	939	162	6831	297.00
41. Title: Preferential transport of nitrate to a tile drain in an intermittent-flood-irrigated field: Model development and experimental evaluation By: Mohanty, BP; Bowman, RS; Hendrickx, JMH; et al. Source: WATER RESOURCES RESEARCH Volume: 34 Issue: 5 Pages: 1061-1076 Published: MAY 1998	1	2	2	3	0	47	2.61
42. Title: Calibration of Richards' and convection-dispersion equations to field-scale water flow and solute transport under rainfall conditions By: Jacques, D; Simunek, J; Timmerman, A; et al. Source: JOURNAL OF HYDROLOGY Volume: 259 Issue: 1-4 Pages: 15-31 Article Number: PII S0022-1694(01)00591-1 Published: MAR 1 2002	4	5	3	2	0	46	3.29
43. Title: Two-dimensional modelling of preferential water flow and pesticide transport from a tile-drained field By: Gardenas, Annemieke I.; Simunek, Jirka; Jarvis, Nicholas; et al. Source: JOURNAL OF HYDROLOGY Volume: 329 Issue: 3-4 Pages: 647-660 Published: OCT 15 2006	4	6	8	9	2	45	4.50
44. Title: Fluid flow and solute migration within the capillary fringe By: Silliman, SE; Berkowitz, B; Simunek, J; et al. Source: GROUND WATER Volume: 40 Issue: 1 Pages: 76-84 Published: JAN-FEB 2002	5	7	2	0	1	45	3.21
45. Title: Straining of colloids at textural interfaces. By: Bradford, S. A.; Simunek, J.; Bettahar, M.; et al. Source: Water Resources Research Volume: 41 Issue: 10 Pages: W10404 Published: 2005	4	4	8	5	0	43	3.91
46. Title: Non-equilibrium water flow characterized by means of upward infiltration experiments By: Simunek, J; Wendroth, O; Wypler, N; et al. Source: EUROPEAN JOURNAL OF SOIL SCIENCE Volume: 52 Issue: 1 Pages: 13-24 Published: MAR 2001	4	7	3	7	1	43	2.87
47. Title: Leaching with subsurface drip irrigation under saline, shallow groundwater conditions By: Hanson, Blaine; Hopmans, Jan W.; Simunek, Jirka Source: VADOSE ZONE JOURNAL Volume: 7 Issue: 2 Pages: 810-818 Published: MAY 2008	7	6	12	9	2	41	5.12
48.	6	9	8	3	0	41	3.15

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
<p>Title: Overland water flow and solute transport: Model development and field-data analysis By: Abbasi, F; Simunek, J; van Genuchten, MT; et al. Source: JOURNAL OF IRRIGATION AND DRAINAGE ENGINEERING-ASCE Volume: 129 Issue: 2 Pages: 71-81 Published: MAR-APR 2003</p>							
49.	3	14	11	7	3	40	6.67
<p>Title: Hysteresis of Colloid Retention and Release in Saturated Porous Media During Transients in Solution Chemistry By: Torkzaban, Saeed; Kim, Hyunjung N.; Simunek, Jiri; et al. Source: ENVIRONMENTAL SCIENCE & TECHNOLOGY Volume: 44 Issue: 5 Pages: 1662-1669 Published: MAR 1 2010</p>							
50.	2	1	2	1	0	40	2.22
<p>Title: In situ estimation of soil hydraulic functions using a multistep soil-water extraction technique By: Inoue, M; Simunek, J; Hopmans, JW; et al. Source: WATER RESOURCES RESEARCH Volume: 34 Issue: 5 Pages: 1035-1050 Published: MAY 1998</p>							

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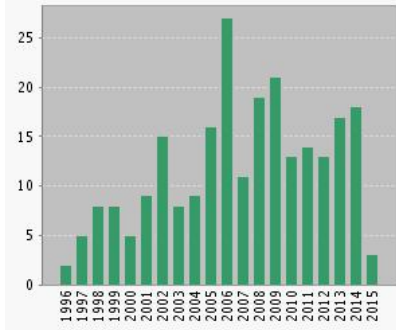
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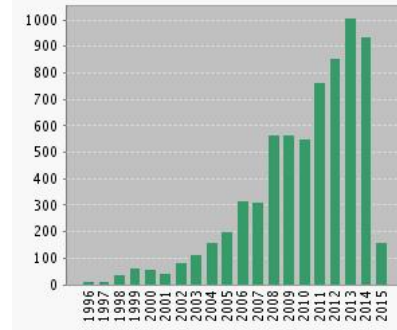
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51. Title: Multi-process herbicide transport in structured soil columns: Experiments and model analysis By: Kohne, JM; Kohne, S; Simunek, J Source: JOURNAL OF CONTAMINANT HYDROLOGY Volume: 85 Issue: 1-2 Pages: 1-32 Published: MAY 5 2006	6	3	7	8	1	39	3.90
52. Title: Kinetic modeling of virus transport at the field scale By: Schijven, JF; Simunek, J Source: JOURNAL OF CONTAMINANT HYDROLOGY Volume: 55 Issue: 1-2 Pages: 113-135 Article Number: PII S0169-7722(01)00188-7 Published: MAR 2002	2	7	5	6	1	39	2.79
53. Title: Indirect estimation of soil thermal properties and water flux using heat pulse probe measurements: Geometry and dispersion effects By: Hopmans, JW; Simunek, J; Bristow, KL Source: WATER RESOURCES RESEARCH Volume: 38 Issue: 1 Article Number: 1006 Published: JAN 2002	6	9	3	5	1	38	2.71
54. Title: Sodic soil reclamation using multicomponent transport modeling By: Simunek, J; Suarez, DL Source: JOURNAL OF IRRIGATION AND DRAINAGE ENGINEERING-ASCE Volume: 123 Issue: 5 Pages: 367-376 Published: SEP-OCT 1997	4	1	3	4	1	38	2.00
55. Title: Dissolution and transport of TNT, RDX, and Composition B in saturated soil columns By: Dontsova, Katerina M.; Yost, Sally L.; Simunek, Jiri; et al. Source: JOURNAL OF ENVIRONMENTAL QUALITY Volume: 35 Issue: 6 Pages: 2043-2054 Published: NOV-DEC 2006	8	6	4	1	0	37	3.70
56. Title: Aging effects on cadmium transport in undisturbed contaminated sandy soil columns By: Seuntjens, P; Tirez, K; Simunek, J; et al. Source: JOURNAL OF ENVIRONMENTAL QUALITY Volume: 30 Issue: 3 Pages: 1040-1050 Published: MAY-JUN 2001	3	6	2	5	0	37	2.47
57. Title: Mechanisms and pathways of trace element mobility in soils By: Carrillo-Gonzalez, R.; Simunek, Jirka; Sauve, Sebastien; et al. Edited by: Sparks, DL Source: ADVANCES IN AGRONOMY, VOL 91 Book Series: Advances in Agronomy Volume: 91 Pages: 111-178 Published: 2006	1	8	6	8	0	36	3.60

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
58. Title: Infiltration of water into soil with cracks By: Novak, V; Simunek, J; van Genuchten, MT Source: JOURNAL OF IRRIGATION AND DRAINAGE ENGINEERING-ASCE Volume: 126 Issue: 1 Pages: 41-47 Published: JAN-FEB 2000	5	2	4	6	0	36	2.25
59. Title: Stochastic Fusion of Information for Characterizing and Monitoring the Vadose Zone By: Yeh, Tian-Chyi J.; Simunek, Jirka Source: VADOSE ZONE JOURNAL Volume: 1 Issue: 2 Pages: 207-221 Published: NOV 2002	1	3	4	2	1	35	2.50
60. Title: Evaluating interactions between groundwater and vadose zone using the HYDRUS-based flow package for MODFLOW By: Twarakavi, Navin Kumar C.; Simunek, Jirka; Seo, Sophia Source: VADOSE ZONE JOURNAL Volume: 7 Issue: 2 Pages: 757-768 Published: MAY 2008	5	6	8	4	0	34	4.25

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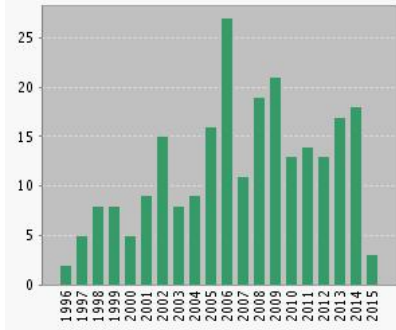
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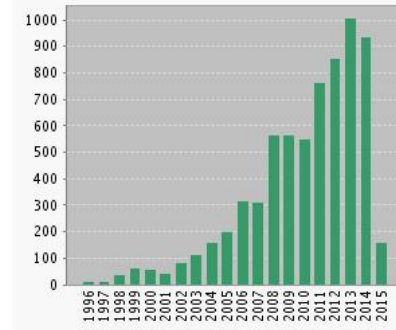
AUTHOR: (Simunek J*) AND ADDRESS: (Riverside)

Timespan=All years.

Published Items in Each Year



Citations in Each Year



Results found: 249
Sum of the Times Cited: 6831
Average Citations per Item: 27.43
h-index: 44

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
61. Title: Inverse dual-permeability modeling of preferential water flow in a soil column and implications for field-scale solute transport By: Kohne, JM; Mohanty, BP; Simunek, J Source: VADOSE ZONE JOURNAL Volume: 5 Issue: 1 Pages: 59-76 Published: FEB 2006	5	3	6	4	1	34	3.40
62. Title: Simultaneous inverse estimation of soil hydraulic and solute transport parameters from transient field experiments: Homogeneous soil By: Abbasi, F; Simunek, J; Feyen, J; et al. Source: TRANSACTIONS OF THE ASAE Volume: 46 Issue: 4 Pages: 1085-1095 Published: JUL-AUG 2003	7	2	2	3	0	33	2.54
63. Title: Parameter estimation of unsaturated soil hydraulic properties from transient flow processes By: Simunek, J; van Genuchten, MT; Gribb, MM; et al. Conference: Symposium 1 on New Concepts and Theories in Soil Physics at the World Congress of Soil Science Location: MONTPELLIER, FRANCE Date: AUG 20-26, 1998 Source: SOIL & TILLAGE RESEARCH Volume: 47 Issue: 1-2 Pages: 27-36 Published: JUN 22 1998	1	2	4	4	0	33	1.83
64. Title: Evaluating equilibrium and non-equilibrium transport of bromide and isotoproturon in disturbed and undisturbed soil columns By: Dousset, S.; Thevenot, M.; Pot, V.; et al. Source: JOURNAL OF CONTAMINANT HYDROLOGY Volume: 94 Issue: 3-4 Pages: 261-276 Published: DEC 7 2007	6	4	3	10	1	31	3.44
65. Title: Multicomponent geochemical transport modeling using HYDRUS-1D and HP1 By: Simunek, Jirka; Jacques, Diederik; van Genuchten, Martinus Th.; et al. Conference: Summer Specialty Conference of the American-Water-Resources-Association Location: Honolulu, HI Date: JUN, 2005 Sponsor(s): Amer Water Resources Assoc Source: JOURNAL OF THE AMERICAN WATER RESOURCES ASSOCIATION Volume: 42 Issue: 6 Pages: 1537-1547 Published: DEC 2006	4	2	4	5	0	31	3.10
66. Title: Development of Pedotransfer Functions for Estimation of Soil Hydraulic Parameters using Support Vector Machines By: Twarakavi, Navin K. C.; Simunek, Jirka; Schaap, M. G. Source: SOIL SCIENCE SOCIETY OF AMERICA JOURNAL Volume: 73 Issue: 5 Pages: 1443-1452 Published: SEP-OCT 2009	3	5	7	11	0	30	4.29
67.							

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
Title: Sensitivity analysis of physical and chemical properties affecting field-scale cadmium transport in a heterogeneous soil profile By: Seuntjens, P; Mallants, D; Simunek, J; et al. Source: JOURNAL OF HYDROLOGY Volume: 264 Issue: 1-4 Pages: 185-200 Article Number: PII S0022-1694(02)00071-9 Published: JUL 30 2002	0	7	2	4	1	30	2.14
68. Title: Field evaluation of a multicomponent solute transport model in soils irrigated with saline waters By: Ramos, T. B.; Simunek, J.; Goncalves, M. C.; et al. Source: JOURNAL OF HYDROLOGY Volume: 407 Issue: 1-4 Pages: 129-144 Published: SEP 15 2011	0	7	8	10	4	29	5.80
69. Title: Water and Vapor Movement with Condensation and Evaporation in a Sandy Column By: Sakai, Masaru; Toride, Nobuo; Simunek, Jiri Source: SOIL SCIENCE SOCIETY OF AMERICA JOURNAL Volume: 73 Issue: 3 Pages: 707-717 Published: MAY-JUN 2009	7	5	6	8	1	29	4.14
70. Title: Impact of varying soil structure on transport processes in different diagnostic horizons of three soil types By: Kodesova, Radka; Vignozzi, Nadia; Rohoskova, Marcela; et al. Source: JOURNAL OF CONTAMINANT HYDROLOGY Volume: 104 Issue: 1-4 Pages: 107-125 Published: FEB 16 2009	7	7	3	3	1	29	4.14

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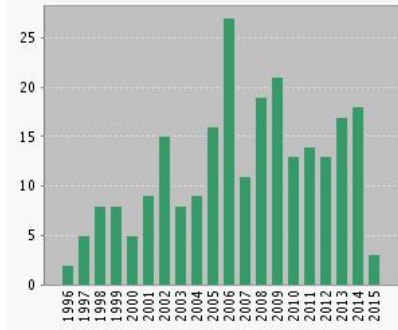
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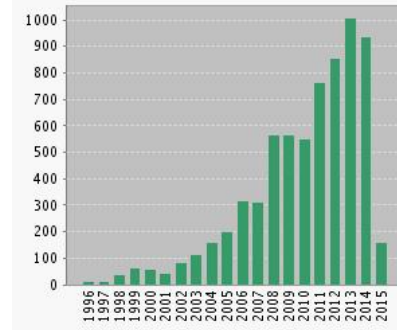
AUTHOR: (Simunek J*) AND ADDRESS: (Riverside)

Timespan=All years.

Published Items in Each Year



Citations in Each Year



Results found: 249
Sum of the Times Cited: 6831
Average Citations per Item: 27.43
h-index: 44

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
71. Title: Modeling the coupled effects of pore space geometry and velocity on colloid transport and retention By: Bradford, Scott A.; Torkzaban, Saeed; Leij, Feike; et al. Source: WATER RESOURCES RESEARCH Volume: 45 Article Number: W02414 Published: FEB 12 2009	8	3	5	6	1	29	4.14
72. Title: Bacteria transport and deposition under unsaturated flow conditions: The role of water content and bacteria surface hydrophobicity By: Gargiulo, G.; Bradford, S. A.; Simunek, J.; et al. Source: VADOSE ZONE JOURNAL Volume: 7 Issue: 2 Pages: 406-419 Published: MAY 2008	5	6	7	4	1	29	3.62
73. Title: Single-porosity and dual-porosity modeling of water flow and solute transport in subsurface-drained fields using effective field-scale parameters By: Haws, NW; Rao, PSC; Simunek, J; et al. Source: JOURNAL OF HYDROLOGY Volume: 313 Issue: 3-4 Pages: 257-273 Published: NOV 10 2005	6	3	7	2	1	29	2.64
74. Title: Estimating hysteresis in the soil water retention function from cone permeameter experiments By: Simunek, J; Kodesova, R; Gribb, MM; et al. Source: WATER RESOURCES RESEARCH Volume: 35 Issue: 5 Pages: 1329-1345 Published: MAY 1999	2	3	4	1	0	29	1.71
75. Title: Estimating unsaturated soil hydraulic properties from laboratory tension disc infiltrometer experiments By: Simunek, J; Wendroth, O; van Genuchten, MT Source: WATER RESOURCES RESEARCH Volume: 35 Issue: 10 Pages: 2965-2979 Published: OCT 1999	3	2	3	2	1	28	1.65
76. Title: Modeling colloid transport and retention in saturated porous media under unfavorable attachment conditions By: Bradford, Scott A.; Torkzaban, Saeed; Simunek, Jiri Source: WATER RESOURCES RESEARCH Volume: 47 Article Number: W10503 Published: OCT 6 2011	0	5	12	10	0	27	5.40
77. Title: Modeling transport of microbes in ten undisturbed soils under effluent irrigation By: Pang, Liping; McLeod, Malcolm; Aislabie, Jacqueline; et al. Source: VADOSE ZONE JOURNAL Volume: 7 Issue: 1 Pages: 97-111 Published: FEB 2008	4	5	7	6	1	27	3.38

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
78. Title: Multi-functional heat pulse probe measurements of coupled vadose zone flow and transport By: Mortensen, AP; Hopmans, JW; Mori, Y; et al. Source: ADVANCES IN WATER RESOURCES Volume: 29 Issue: 2 Pages: 250-267 Published: FEB 2006	3	3	4	4	0	27	2.70
79. Title: Numerical simulations of water movement in a subsurface drip irrigation system under field and laboratory conditions using HYDRUS-2D By: Kandelous, Maziar M.; Simunek, Jiri Source: AGRICULTURAL WATER MANAGEMENT Volume: 97 Issue: 7 Pages: 1070-1076 Published: JUL 2010	5	4	10	7	0	26	4.33
80. Title: Subsurface water distribution from drip irrigation described by moment analyses By: Lazarovitch, N.; Warrick, A. W.; Furman, A.; et al. Source: VADOSE ZONE JOURNAL Volume: 6 Issue: 1 Pages: 116-123 Published: FEB 2007	5	3	4	2	0	26	2.89

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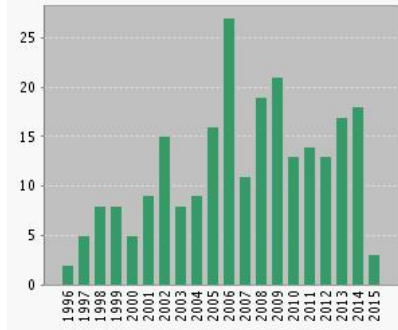
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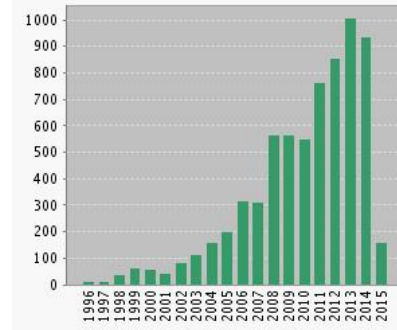
AUTHOR: (Simunek J*) AND ADDRESS: (Riverside)

Timespan=All years.

Published Items in Each Year



Citations in Each Year



Results found: 249
Sum of the Times Cited: 6831
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h-index: 44

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
81. Title: Straining of colloids at textural interfaces By: Bradford, SA; Simunek, J; Bettahar, M; et al. Source: WATER RESOURCES RESEARCH Volume: 41 Issue: 10 Article Number: W10404 Published: OCT 11 2005	3	3	0	0	0	26	2.36
82. Title: Multiyear heterotrophic soil respiration: Evaluation of a coupled CO2 transport and carbon turnover model By: Herbst, M.; Hellebrand, H. J.; Bauer, J.; et al. Source: ECOLOGICAL MODELLING Volume: 214 Issue: 2-4 Pages: 271-283 Published: JUN 24 2008	2	8	3	4	0	25	3.12
83. Title: An objective analysis of the dynamic nature of field capacity By: Twarakavi, Navin K. C.; Sakai, Masaru; Simunek, Jirka Source: WATER RESOURCES RESEARCH Volume: 45 Article Number: W10410 Published: OCT 7 2009	4	2	11	4	1	24	3.43
84. Title: Modelling coupled water flow, solute transport and geochemical reactions affecting heavy metal migration in a podzol soil By: Jacques, D.; Simunek, J.; Mallants, D.; et al. Source: GEODERMA Volume: 145 Issue: 3-4 Pages: 449-461 Published: JUN 15 2008	2	5	7	5	0	24	3.00
85. Title: Bromide transport at a tile-drained field site: experiment, and one- and two-dimensional equilibrium and non-equilibrium numerical modeling By: Kohne, S; Lennartz, B; Kohne, JM; et al. Source: JOURNAL OF HYDROLOGY Volume: 321 Issue: 1-4 Pages: 390-408 Published: APR 30 2006	6	1	4	7	0	24	2.40
86. Title: Lateral Water Diffusion in an Artificial Macroporous System: Modeling and Experimental Evidence By: Castiglione, P.; Mohanty, B. P.; Shouse, P. J.; et al. Source: VADOSE ZONE JOURNAL Volume: 2 Issue: 2 Pages: 212-221 Published: MAY 2003	1	3	1	6	0	24	1.85
87. Title: Transport of Manure-Based Applied Sulfadiazine and Its Main Transformation Products in Soil Columns By: Unhold, M.; Simunek, J.; Kasteel, R.; et al. Source: VADOSE ZONE JOURNAL Volume: 8 Issue: 3 Pages: 677-689 Published: AUG 2009	5	4	7	4	0	23	3.29
88.	6	4	2	2	0	23	2.88

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
<p>Title: Impact of soil micromorphological features on water flow and herbicide transport in soils By: Kodesova, Radka; Kocarek, Martin; Kodes, Vit; et al. Source: VADOSE ZONE JOURNAL Volume: 7 Issue: 2 Pages: 798-809 Published: MAY 2008</p>							
89.	2	2	1	3	0	23	2.30
<p>Title: Operator-splitting errors in coupled reactive transport codes for transient variably saturated flow and contaminant transport in layered soil profiles By: Jacques, D.; Simunek, J.; Mallants, D.; et al. Source: JOURNAL OF CONTAMINANT HYDROLOGY Volume: 88 Issue: 3-4 Pages: 197-218 Published: DEC 15 2006</p>							
90.	1	3	2	6	1	23	2.30
<p>Title: Estimation of the unsaturated hydraulic conductivity of peat soils: Laboratory versus field data By: Schwarzel, K; Simunek, J; Stoffregen, H; et al. Source: VADOSE ZONE JOURNAL Volume: 5 Issue: 2 Pages: 628-640 Published: MAY 2006</p>							

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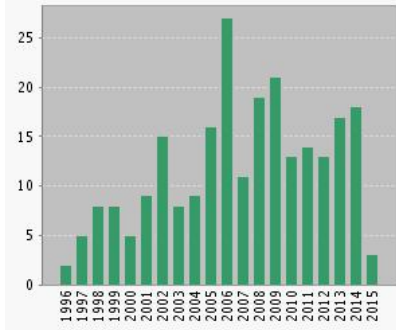
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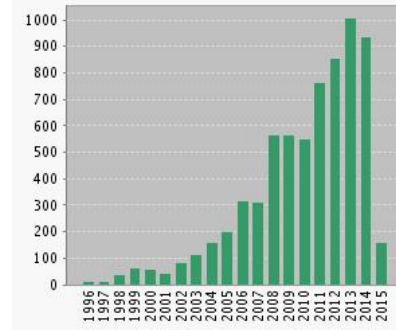
AUTHOR: (Simunek J*) AND ADDRESS: (Riverside)

Timespan=All years.

Published Items in Each Year



Citations in Each Year



Results found: 249
Sum of the Times Cited: 6831
Average Citations per Item: 27.43
h-index: 44

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
91. Title: Modeling water flow and bacterial transport in undisturbed lysimeters under irrigations of dairy shed effluent and water using HYDRUS-1D By: Jiang, Shuang; Pang, Liping; Buchan, Graeme D.; et al. Source: WATER RESEARCH Volume: 44 Issue: 4 Special Issue: SI Pages: 1050-1061 Published: FEB 2010	4	2	6	9	1	22	3.67
92. Title: Modeling coupled hydrologic and chemical processes: Long-term uranium transport following phosphorus fertilization By: Jacques, D.; Simunek, J.; Mallants, D.; et al. Source: VADOSE ZONE JOURNAL Volume: 7 Issue: 2 Pages: 698-711 Published: MAY 2008	4	3	7	3	0	22	2.75
93. Title: Vadose zone modeling: Introduction and importance By: Simunek, Jirka; Bradford, Scott A. Source: VADOSE ZONE JOURNAL Volume: 7 Issue: 2 Pages: 581-586 Published: MAY 2008	4	0	8	5	1	22	2.75
94. Title: Field-scale water flow simulations using ensembles of pedotransfer functions for soil water retention By: Guber, AK; Pachepsky, YA; van Genuchten, MT; et al. Source: VADOSE ZONE JOURNAL Volume: 5 Issue: 1 Pages: 234-247 Published: FEB 2006	1	2	5	5	0	22	2.20
95. Title: Using pedotransfer functions in vadose zone models for estimating groundwater recharge in semiarid regions By: Wang, Tiejun; Zlotnik, Vitaly A.; Simunek, Jirka; et al. Source: WATER RESOURCES RESEARCH Volume: 45 Article Number: W04412 Published: APR 14 2009	4	4	4	2	3	21	3.00
96. Title: Spatially distributed water fluxes in an andisol under banana plants: Experiments and three-dimensional modeling By: Sansoulet, Julie; Cabidoche, Yves-Marie; Cattan, Philippe; et al. Source: VADOSE ZONE JOURNAL Volume: 7 Issue: 2 Pages: 819-829 Published: MAY 2008	3	2	6	1	1	21	2.62
97. Title: Transport and deposition of metabolically active and stationary phase Deinococcus radiodurans in unsaturated porous media By: Gargiulo, G.; Bradford, S. A.; Simunek, J.; et al. Source: ENVIRONMENTAL SCIENCE & TECHNOLOGY Volume: 41 Issue: 4 Pages: 1265-1271 Published: FEB 15 2007	2	3	4	1	0	21	2.33

	2011	2012	2013	2014	2015	Total	Average Citations per Year
	762	854	1006	939	162	6831	297.00
98. Title: Water and solute transport in a cultivated silt loam soil: 1. Field observations By: Coquet, Y; Coutadeur, C; Labat, C; et al. Source: VADOSE ZONE JOURNAL Volume: 4 Issue: 3 Pages: 573-586 Published: AUG 2005	4	2	3	1	0	21	1.91
99. Title: Inverse mobile-immobile modeling of transport during transient flow: Effects of between-domain transfer and initial water content By: Kohne, JM; Kohne, S; Mohanty, BP; et al. Source: VADOSE ZONE JOURNAL Volume: 3 Issue: 4 Pages: 1309-1321 Published: NOV 2004	1	3	2	3	0	21	1.75
100. Title: Inverse estimation of soil hydraulic and solute transport parameters from transient field experiments: Heterogeneous soil By: Abbasi, F; Jacques, D; Simunek, J; et al. Source: TRANSACTIONS OF THE ASAE Volume: 46 Issue: 4 Pages: 1097-1111 Published: JUL-AUG 2003	1	3	2	3	1	21	1.62

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Page 10 (Records 91 -- 100)

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