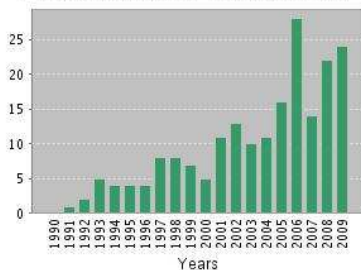




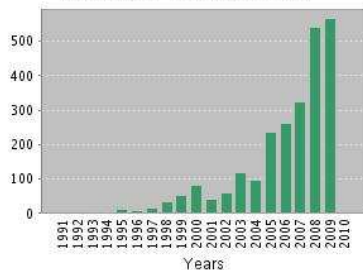
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**Published Items in Each Year**



**Citations in Each Year**



**Results found: 232**

**Sum of the Times Cited: 2,470**

**Average Citations per Item: 10.65**

**h-index: 25**

	2006	2007	2008	2009	2010	Total	Average Citations per Year
	262	325	540	565	0	2,470	51.46
1. <b>Author(s):</b> Simunek, J; Jarvis, NJ; van Genuchten, MT; et al. <b>Title:</b> Review and comparison of models for describing non-equilibrium and preferential flow and transport in the vadose zone <b>Source:</b> JOURNAL OF HYDROLOGY, 272 (1-4): 14-35 MAR 10 2003 <b>ISSN:</b> 0022-1694	24	17	31	41	0	146	18.25
2. <b>Author(s):</b> Bradford, SA; Yates, SR; Bettahar, M; et al. <b>Title:</b> Physical factors affecting the transport and fate of colloids in saturated porous media <b>Source:</b> WATER RESOURCES RESEARCH, 38 (12): Art. No. 1327 DEC 31 2002 <b>ISSN:</b> 0043-1397	19	25	20	22	0	107	13.38
3. <b>Author(s):</b> Bradford, SA; Simunek, J; Bettahar, M; et al. <b>Title:</b> Modeling colloid attachment, straining, and exclusion in saturated porous media <b>Source:</b> ENVIRONMENTAL SCIENCE & TECHNOLOGY, 37 (10): 2242-2250 MAY 15 2003 <b>ISSN:</b> 0013-936X	16	22	20	21	0	92	11.50
4. <b>Author(s):</b> Simunek, J; vanGenuchten, MT <b>Title:</b> Estimating unsaturated soil hydraulic properties from tension disc infiltrometer data by numerical inversion <b>Source:</b> WATER RESOURCES RESEARCH, 32 (9): 2683-2696 SEP 1996 <b>ISSN:</b> 0043-1397	7	3	8	7	0	90	6.00
5. <b>Author(s):</b> SIMUNEK, J; SUAREZ, DL <b>Title:</b> MODELING OF CARBON-DIOXIDE TRANSPORT AND PRODUCTION IN SOIL .1. MODEL DEVELOPMENT <b>Source:</b> WATER RESOURCES RESEARCH, 29 (2): 487-497 FEB 1993 <b>ISSN:</b> 0043-1397	8	6	14	4	0	86	4.78
6. <b>Author(s):</b> Casey, FXM; Larsen, GL; Hakk, H; et al. <b>Title:</b> Fate and transport of 17 beta-estradiol in soil-water systems <b>Source:</b> ENVIRONMENTAL SCIENCE & TECHNOLOGY, 37 (11): 2400-2409 JUN 1 2003 <b>ISSN:</b> 0013-936X	7	14	13	12	0	64	8.00
7. <b>Author(s):</b> SIMUNEK, J; SUAREZ, DL <b>Title:</b> 2-DIMENSIONAL TRANSPORT MODEL FOR VARIABLY SATURATED POROUS-MEDIA WITH MAJOR ION CHEMISTRY <b>Source:</b> WATER RESOURCES RESEARCH, 30 (4): 1115-1133 APR 1994 <b>ISSN:</b> 0043-1397	6	6	8	5	0	64	3.76
8. <b>Author(s):</b> Simunek, J; Wendroth, O; van Genuchten, MT <b>Title:</b> Parameter estimation analysis of the evaporation method for determining soil hydraulic properties <b>Source:</b> SOIL SCIENCE SOCIETY OF AMERICA JOURNAL, 62 (4): 894-905 JUL-AUG 1998 <b>ISSN:</b> 0361-5995	2	2	13	3	0	55	4.23
9. <b>Author(s):</b> Bradford, SA; Bettahar, M; Simunek, J; et al. <b>Title:</b> Straining and attachment of colloids in physically heterogeneous porous media <b>Source:</b> VADOSE ZONE JOURNAL, 3 (2): 384-394 MAY 2004 <b>ISSN:</b> 1539-1663	12	11	17	8	0	53	8.83
10. <b>Author(s):</b> Vrugt, JA; Hopmans, JW; Simunek, J <b>Title:</b> Calibration of a two-dimensional root water uptake model <b>Source:</b> SOIL SCIENCE SOCIETY OF AMERICA JOURNAL, 65 (4): 1027-1037 JUL-AUG 2001 <b>ISSN:</b> 0361-5995	8	9	11	11	0	52	5.78

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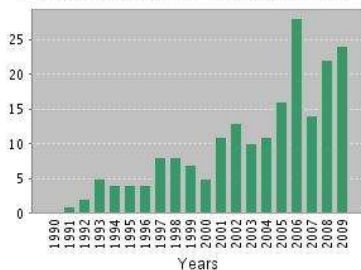
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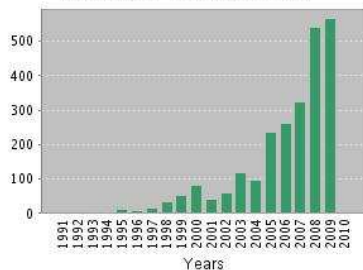
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Published Items in Each Year



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	2006	2007	2008	2009	2010	Total	Average Citations per Year
	262	325	540	565	0	2,470	51.46
1. <b>Author(s):</b> Suarez, DL; Simunek, J <b>Title:</b> UNSATCHEM: Unsaturated water and solute transport model with equilibrium and kinetic chemistry <b>Source:</b> SOIL SCIENCE SOCIETY OF AMERICA JOURNAL, 61 (6): 1633-1646 NOV-DEC 1997 <b>ISSN:</b> 0361-5995	4	4	7	3	0	51	3.64
2. <b>Author(s):</b> Vrugt, JA; van Wijk, MT; Hopmans, JW; et al. <b>Title:</b> One-, two-, and three-dimensional root water uptake functions for transient modeling <b>Source:</b> WATER RESOURCES RESEARCH, 37 (10): 2457-2470 OCT 2001 <b>ISSN:</b> 0043-1397	10	5	14	2	0	48	4.80
3. <b>Author(s):</b> Wildenschild, D; Hopmans, JW; Simunek, J <b>Title:</b> Flow rate dependence of soil hydraulic characteristics <b>Source:</b> SOIL SCIENCE SOCIETY OF AMERICA JOURNAL, 65 (1): 35-48 JAN-FEB 2001 <b>ISSN:</b> 0361-5995	6	6	9	7	0	46	4.60
4. <b>Author(s):</b> Simunek, J; vanGenuchten, MT <b>Title:</b> Estimating unsaturated soil hydraulic properties from multiple tension disc infiltrometer data <b>Source:</b> SOIL SCIENCE, 162 (6): 383-398 JUN 1997 <b>ISSN:</b> 0038-075X	3	1	4	6	0	46	3.29
5. <b>Author(s):</b> Scanlon, BR; Keese, K; Reedy, RC; et al. <b>Title:</b> Variations in flow and transport in thick desert vadose zones in response to paleoclimatic forcing (0-90 kyr): Field measurements, modeling, and uncertainties <b>Source:</b> WATER RESOURCES RESEARCH, 39 (7): Art. No. 1179 JUL 10 2003 <b>ISSN:</b> 0043-1397	5	6	7	14	0	40	5.00
6. <b>Author(s):</b> SUAREZ, DL; SIMUNEK, J <b>Title:</b> MODELING OF CARBON-DIOXIDE TRANSPORT AND PRODUCTION IN SOIL .2. PARAMETER SELECTION, SENSITIVITY ANALYSIS, AND COMPARISON OF MODEL PREDICTIONS TO FIELD DATA <b>Source:</b> WATER RESOURCES RESEARCH, 29 (2): 499-513 FEB 1993 <b>ISSN:</b> 0043-1397	1	0	6	2	0	36	2.00
7. <b>Author(s):</b> Inoue, M; Simunek, J; Shiozawa, S; et al. <b>Title:</b> Simultaneous estimation of soil hydraulic and solute transport parameters from transient infiltration experiments <b>Source:</b> ADVANCES IN WATER RESOURCES, 23 (7): 677-688 JUN 2000 <b>ISSN:</b> 0309-1708	3	3	8	3	0	32	2.91
8. <b>Author(s):</b> Bradford, SA; Simunek, J; Bettahar, M; et al. <b>Title:</b> Significance of straining in colloid deposition: Evidence and implications <b>Source:</b> WATER RESOURCES RESEARCH, 42 (12): Art. No. W12S15 NOV 1 2006 <b>ISSN:</b> 0043-1397	2	5	11	12	0	30	6.00
9. <b>Author(s):</b> Bradford, SA; Simunek, J; Bettahar, M; et al. <b>Title:</b> Straining of colloids at textural interfaces <b>Source:</b> WATER RESOURCES RESEARCH, 41 (10): Art. No. W10404 OCT 11 2005 <b>ISSN:</b> 0043-1397	6	8	9	7	0	30	5.00
10. <b>Author(s):</b> Casey, FXM; Hakk, H; Simunek, J; et al. <b>Title:</b> Fate and transport of testosterone in agricultural soils <b>Source:</b> ENVIRONMENTAL SCIENCE & TECHNOLOGY, 38 (3): 790-798 FEB 1 2004 <b>ISSN:</b> 0013-936X	5	6	10	3	0	30	4.29

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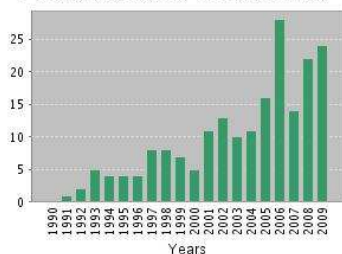
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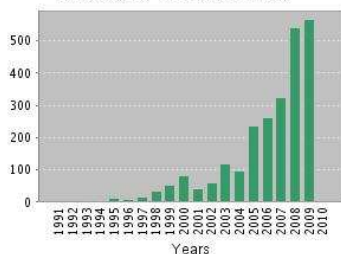
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	2006	2007	2008	2009	2010	Total	Average Citations per Year
	262	325	540	565	0	2,470	51.46
1. <b>Author(s):</b> Inoue, M; Simunek, J; Hopmans, JW; et al. <b>Title:</b> In situ estimation of soil hydraulic functions using a multistep soil-water extraction technique <b>Source:</b> WATER RESOURCES RESEARCH, 34 (5): 1035-1050 MAY 1998 <b>ISSN:</b> 0043-1397	4	0	2	3	0	30	2.31
2. <b>Author(s):</b> Skaggs, TH; Trout, TJ; Simunek, J; et al. <b>Title:</b> Comparison of HYDRUS-2D simulations of drip irrigation with experimental observations <b>Source:</b> JOURNAL OF IRRIGATION AND DRAINAGE ENGINEERING-ASCE, 130 (4): 304-310 JUL-AUG 2004 <b>ISSN:</b> 0733-9437	2	9	9	7	0	29	4.14
3. <b>Author(s):</b> Simunek, J; Angulo-Jaramillo, R; Schaap, MG; et al. <b>Title:</b> Using an inverse method to estimate the hydraulic properties of crusted soils from tension-disc infiltrometer data <b>Source:</b> GEODERMA, 86 (1-2): 61-81 OCT 1998 <b>ISSN:</b> 0016-7061	3	3	1	5	0	29	2.23
4. <b>Author(s):</b> Mohanty, BP; Bowman, RS; Hendrickx, JMH; et al. <b>Title:</b> Preferential transport of nitrate to a tile drain in an intermittent-flood-irrigated field: Model development and experimental evaluation <b>Source:</b> WATER RESOURCES RESEARCH, 34 (5): 1061-1076 MAY 1998 <b>ISSN:</b> 0043-1397	2	3	1	3	0	29	2.23
5. <b>Author(s):</b> Casey, FXM; Simunek, J; Lee, J; et al. <b>Title:</b> Sorption, mobility, and transformation of estrogenic hormones in natural soil <b>Source:</b> JOURNAL OF ENVIRONMENTAL QUALITY, 34 (4): 1372-1379 JUL-AUG 2005 <b>ISSN:</b> 0047-2425	3	5	9	9	0	26	4.33
6. <b>Author(s):</b> Jacques, D; Simunek, J; Timmerman, A; et al. <b>Title:</b> Calibration of Richards' and convection-dispersion equations to field-scale water flow and solute transport under rainfall conditions <b>Source:</b> JOURNAL OF HYDROLOGY, 259 (1-4): 15-31 MAR 1 2002 <b>ISSN:</b> 0022-1694	5	2	4	3	0	25	2.78
7. <b>Author(s):</b> Simunek, J; He, CM; Pang, LP; et al. <b>Title:</b> Colloid-facilitated solute transport in variably saturated porous media: Numerical model and experimental verification <b>Source:</b> VADOSE ZONE JOURNAL, 5 (3): 1035-1047 AUG 2006 <b>ISSN:</b> 1539-1663	1	2	13	8	0	24	4.80
8. <b>Author(s):</b> Langergraber, G; Simunek, J <b>Title:</b> Modeling variably saturated water flow and multicomponent reactive transport in constructed wetlands <b>Source:</b> VADOSE ZONE JOURNAL, 4 (4): 924-938 NOV 2005 <b>ISSN:</b> 1539-1663	0	8	8	8	0	24	4.80
9. <b>Author(s):</b> Pot, V; Simunek, J; Benoit, P; et al. <b>Title:</b> Impact of rainfall intensity on the transport of two herbicides in undisturbed grassed filter strip soil cores <b>Source:</b> JOURNAL OF CONTAMINANT HYDROLOGY, 81 (1-4): 63-88 DEC 2005 <b>ISSN:</b> 0169-7722	3	5	7	9	0	24	4.00
10. <b>Author(s):</b> Scanlon, BR; Christman, M; Reedy, RC; et al. <b>Title:</b> Intercode comparisons for simulating water balance of surficial sediments in semiarid regions <b>Source:</b> WATER RESOURCES RESEARCH, 38 (12): Art. No. 1323 DEC 31 2002 <b>ISSN:</b> 0043-1397	8	3	3	4	0	24	3.00

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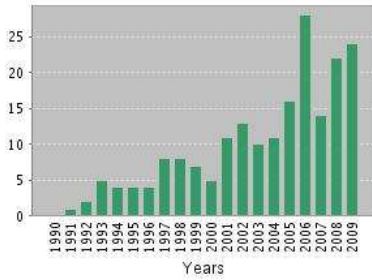
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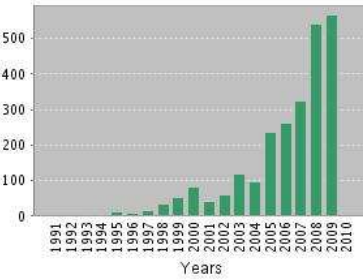
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	2006	2007	2008	2009	2010	Total	Average Citations per Year
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1. <b>Author(s):</b> Silliman, SE; Berkowitz, B; Simunek, J; et al. <b>Title:</b> Fluid flow and solute migration within the capillary fringe <b>Source:</b> GROUND WATER, 40 (1): 76-84 JAN-FEB 2002 <b>ISSN:</b> 0017-467X	3	4	4	2	0	24	2.67
2. <b>Author(s):</b> Simunek, J; Suarez, DL <b>Title:</b> Sodic soil reclamation using multicomponent transport modeling <b>Source:</b> JOURNAL OF IRRIGATION AND DRAINAGE ENGINEERING-ASCE, 123 (5): 367-376 SEP-OCT 1997 <b>ISSN:</b> 0733-9437	5	5	4	0	0	24	1.71
3. <b>Author(s):</b> Noga, J; Kedzuch, S; Simunek, J; et al. <b>Title:</b> Explicitly correlated coupled cluster F12 theory with single and double excitations <b>Source:</b> JOURNAL OF CHEMICAL PHYSICS, 128 (17): Art. No. 174103 MAY 7 2008 <b>ISSN:</b> 0021-9606			4	18	0	21	7.00
4. <b>Author(s):</b> Bradford, SA; Simunek, J; Walker, SL <b>Title:</b> Transport and straining of E-coli O157 : H7 in saturated porous media <b>Source:</b> WATER RESOURCES RESEARCH, 42 (12): Art. No. W12S12 NOV 18 2006 <b>ISSN:</b> 0043-1397	1	2	8	9	0	20	4.00
5. <b>Author(s):</b> Saito, H; Simunek, J; Mohanty, BP <b>Title:</b> Numerical analysis of coupled water, vapor, and heat transport in the vadose zone <b>Source:</b> VADOSE ZONE JOURNAL, 5 (2): 784-800 MAY 2006 <b>ISSN:</b> 1539-1663	0	3	9	8	0	20	4.00
6. <b>Author(s):</b> Hansson, K; Simunek, J; Mizoguchi, M; et al. <b>Title:</b> Water flow and heat transport in frozen soil: Numerical solution and freeze-thaw applications <b>Source:</b> VADOSE ZONE JOURNAL, 3 (2): 693-704 MAY 2004 <b>ISSN:</b> 1539-1663	2	2	9	5	0	18	3.00
7. <b>Author(s):</b> Schijven, JF; Simunek, J <b>Title:</b> Kinetic modeling of virus transport at the field scale <b>Source:</b> JOURNAL OF CONTAMINANT HYDROLOGY, 55 (1-2): 113-135 MAR 2002 <b>ISSN:</b> 0169-7722	4	6	4	2	0	18	2.00
8. <b>Author(s):</b> Seuntjens, P; Tirez, K; Simunek, J; et al. <b>Title:</b> Aging effects on cadmium transport in undisturbed contaminated sandy soil columns <b>Source:</b> JOURNAL OF ENVIRONMENTAL QUALITY, 30 (3): 1040-1050 MAY-JUN 2001 <b>ISSN:</b> 0047-2425	1	8	3	2	0	18	1.80
9. <b>Author(s):</b> Simunek, J; Wendroth, O; Wypler, N; et al. <b>Title:</b> Non-equilibrium water flow characterized by means of upward infiltration experiments <b>Source:</b> EUROPEAN JOURNAL OF SOIL SCIENCE, 52 (1): 13-24 MAR 2001 <b>ISSN:</b> 1351-0754	4	1	5	2	0	18	1.80
10. <b>Author(s):</b> Simunek, J; van Genuchten, MT; Gribb, MM; et al. <b>Title:</b> Parameter estimation of unsaturated soil hydraulic properties from transient flow processes <b>Source:</b> SOIL & TILLAGE RESEARCH, 47 (1-2): 27-36 JUN 22 1998 <b>ISSN:</b> 0167-1987	0	3	3	5	0	18	1.38

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