Sushil K Singh

List of Publications by Year
in descending order

104	876	566801	610482
papers	citations	15	24
		h-index	g-index
104	104	104	299
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Transmuting Synthetic Unit Hydrographs into Gamma Distribution. Journal of Hydrologic Engineering - ASCE, 2000, 5, 380-385.	0.8	52
2	Simple Method for Confined-Aquifer Parameter Estimation. Journal of Irrigation and Drainage Engineering - ASCE, 2000, 126, 404-407.	0.6	49
3	Aquifer Response to Sinusoidal or Arbitrary Stage of Semipervious Stream. Journal of Hydraulic Engineering, 2004, 130, 1108-1118.	0.7	45
4	Confined Aquifer Parameters from Temporal Derivative of Drawdowns. Journal of Hydraulic Engineering, 2001, 127, 466-470.	0.7	44
5	Well Loss Estimation: Variable Pumping Replacing Step Drawdown Test. Journal of Hydraulic Engineering, 2002, 128, 343-348.	0.7	36
6	Identifying Impervious Boundary and Aquifer Parameters from Pump-Test Data. Journal of Hydraulic Engineering, 2001, 127, 280-285.	0.7	26
7	Diagnostic Curve for Confined Aquifer Parameters from Early Drawdowns. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 515-520.	0.6	26
8	Diagnostic Curve Methods for Consolidation Coefficient. International Journal of Geomechanics, 2007, 7, 75-79.	1.3	23
9	Rate and Volume of Stream Depletion due to Pumping. Journal of Irrigation and Drainage Engineering - ASCE, 2000, 126, 336-338.	0.6	21
10	Treatment of Stagnant Zones in Riverine Advection-Dispersion. Journal of Hydraulic Engineering, 2003, 129, 470-473.	0.7	21
11	Simplified Use of Gamma-Distribution/Nash Model for Runoff Modeling. Journal of Hydrologic Engineering - ASCE, 2004, 9, 240-243.	0.8	21
12	Aquifer Diffusivity and Stream Resistance from Varying Stream Stage. Journal of Irrigation and Drainage Engineering - ASCE, 2002, 128, 57-61.	0.6	20
13	Estimating Aquifer Parameters from Early Drawdowns in Large-Diameter Wells. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 409-413.	0.6	17
14	Estimation of Aquifer Diffusivity from Stream Stage Variation. Journal of Hydrologic Engineering - ASCE, 2003, 8, 20-24.	0.8	16
15	Estimating Dispersion Coefficient and Porosity from Soil-Column Tests. Journal of Environmental Engineering, ASCE, 2002, 128, 1095-1099.	0.7	15
16	Flow Depletion of Semipervious Streams Due to Pumping. Journal of Irrigation and Drainage Engineering - ASCE, 2003, 129, 449-453.	0.6	15
17	Ramp Kernels for Aquifer Responses to Arbitrary Stream Stage. Journal of Irrigation and Drainage Engineering - ASCE, 2004, 130, 460-467.	0.6	15
18	Estimating Consolidation Coefficient and Final Settlement: Triangular Excess Pore-Water Pressure. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 1050-1055.	1.5	15

#	Article	IF	Citations
19	Approximate Simple Invertible Equations for Consolidation Curves Under Triangular Excess Pore-water Pressures. Geotechnical and Geological Engineering, 2008, 26, 251-257.	0.8	14
20	Generalized Analytical Solutions for Groundwater Head in a Horizontal Aquifer in the Presence of Subsurface Drains. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 295-302.	0.6	14
21	Simple Equations for Aquifer Parameters from Drawdowns in Large-Diameter Wells. Journal of Irrigation and Drainage Engineering - ASCE, 2007, 133, 279-281.	0.6	13
22	Storage Coefficient and Transmissivity from Residual Drawdowns. Journal of Hydraulic Engineering, 2003, 129, 637-644.	0.7	12
23	Simplified Kernel Method for Flow to Large Diameter Wells. Journal of Irrigation and Drainage Engineering - ASCE, 2006, 132, 77-79.	0.6	12
24	Approximation of Well Function for Large Diameter Wells. Journal of Irrigation and Drainage Engineering - ASCE, 2007, 133, 414-416.	0.6	12
25	New Methods for Aquifer Parameters from Slug Test Data. Journal of Irrigation and Drainage Engineering - ASCE, 2007, 133, 272-275.	0.6	11
26	Aquifer Parameters from Drawdowns in Large-Diameter Wells: Unsteady Pumping. Journal of Hydrologic Engineering - ASCE, 2008, 13, 636-640.	0.8	11
27	Identifying Effective Distance to a Recharge Boundary. Journal of Hydraulic Engineering, 2001, 127, 689-692.	0.7	10
28	Aquifer Boundaries and Parameter Identification Simplified. Journal of Hydraulic Engineering, 2002, 128, 774-780.	0.7	10
29	Rate and Volume of Stream Flow Depletion due to Unsteady Pumping. Journal of Irrigation and Drainage Engineering - ASCE, 2005, 131, 539-545.	0.6	10
30	Semianalytical Model for Drawdown due to Pumping a Partially Penetrating Large Diameter Well. Journal of Irrigation and Drainage Engineering - ASCE, 2007, 133, 155-161.	0.6	9
31	Identifying Head Loss from Early Drawdowns. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 107-110.	0.6	9
32	Closure to "Estimating Aquifer Parameters from Early Drawdowns in Large-Diameter Wells" by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 715-719.	0.6	9
33	Simple Method for Quick Estimation of Leaky-Aquifer Parameters. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 149-153.	0.6	9
34	Simple Approximation of Well Function for Constant Drawdown Variable Discharge Artesian Wells. Journal of Irrigation and Drainage Engineering - ASCE, 2007, 133, 282-285.	0.6	8
35	Optimizing Aquifer Parameters from Drawdowns in Large Diameter Wells. Journal of Irrigation and Drainage Engineering - ASCE, 2007, 133, 411-413.	0.6	8
36	Identifying Consolidation Coefficient: Linear Excess Pore-Water Pressure. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1205-1209.	1.5	8

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37	Closure to "Identifying Head Loss from Early Drawdowns" by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 518-520.	0.6	8
38	Drawdown due to Pumping a Partially Penetrating Large-Diameter Well Using MODFLOW. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 388-392.	0.6	8
39	Explicit Estimation of Aquifer Diffusivity from Linear Stream Stage. Journal of Hydraulic Engineering, 2003, 129, 463-469.	0.7	7
40	Diagnostic Curve for Estimating Soil Dispersivity and Instantaneously Injected Mass. Journal of Irrigation and Drainage Engineering - ASCE, 2006, 132, 281-283.	0.6	7
41	Approximation of M Function for Partially Penetrating Wells. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 861-863.	0.6	7
42	Approximation of Well Function and Identification of Leaky Aquifer Parameters. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 864-871.	0.6	7
43	Flow Depletion Induced by Pumping Well from Stream Perpendicularly Intersecting Impermeable/Recharge Boundary. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 499-504.	0.6	7
44	Groundwater Mound due to Artificial Recharge from Rectangular Areas. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 476-480.	0.6	7
45	Simple Parametric Instantaneous Unit Hydrograph. Journal of Irrigation and Drainage Engineering - ASCE, 2015, 141, .	0.6	7
46	Discussion of "Moment-Based Calculation of Parameters for the Storage Zone Model for River Dispersion" by Il Won Seo and Tae Sung Cheong. Journal of Hydraulic Engineering, 2002, 128, 1032-1033.	0.7	6
47	Clark's and Espey's unit hydrographsvsthe gamma unit hydrograph / Les hydrogrammes unitaires de Clark et de Espeyvsl'hydrogramme unitaire de forme loi gamma. Hydrological Sciences Journal, 2005, 50, .	1.2	6
48	Flow Depletion Induced by Pumping Well from Finite Length of Stream. Journal of Irrigation and Drainage Engineering - ASCE, 2006, 132, 508-512.	0.6	6
49	Estimating Storage Coefficient and Transmissivity from Slug Test Data. Journal of Irrigation and Drainage Engineering - ASCE, 2007, 133, 505-507.	0.6	6
50	Drawdown due to Temporally Varying Pumping Discharge: Inversely Estimating Aquifer Parameters. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 257-260.	0.6	6
51	Closure to "Simple Method for Confined-Aquifer Parameter Estimation" by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2003, 129, 220-223.	0.6	5
52	Identification of aquifer parameters from residual drawdowns: an optimization approach. Hydrological Sciences Journal, 2006, 51, 1139-1148.	1.2	5
53	Estimating dispersivity and injected mass from breakthrough curve due to instantaneous source. Journal of Hydrology, 2006, 329, 685-691.	2.3	5
54	Identifying Representative Parameters of IUH. Journal of Irrigation and Drainage Engineering - ASCE, 2007, 133, 602-608.	0.6	5

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55	Use of Gamma Distribution/Nash Model Further Simplified for Runoff Modeling. Journal of Hydrologic Engineering - ASCE, 2007, 12, 222-224.	0.8	5
56	Closure to â€œSimple Equations for Aquifer Parameters from Drawdowns in Large-Diameter Wellsâ€•by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 128-129.	0.6	5
57	Kernel Method for Transient Rate and Volume of Well Discharge under Constant Drawdown. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 252-256.	0.6	5
58	Closure to â€œDiagnostic Curve for Confined Aquifer Parameters from Early Drawdownsâ€•by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 157-159.	0.6	5
59	Discussion of â€œExplicit Aquifer Diffusivity Estimation Using Linearly Varying Stream Stage,â€•by Chandra Sekhar P. Ojha. Journal of Hydrologic Engineering - ASCE, 2002, 7, 97-97.	0.8	4
60	Drawdowns due to Intermittent-Pumping Cycles. Journal of Hydraulic Engineering, 2004, 130, 568-575.	0.7	4
61	Simulating the Well Function for Large-Diameter Wells Using MODFLOW. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 414-416.	0.6	4
62	Simple Model for Analyzing Transient Pumping from Two Aquifers without Cross Flow. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 102-107.	0.6	4
63	Diagnostic Curves for Identifying Leaky Aquifer Parameters with or without Aquitard Storage. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 47-57.	0.6	4
64	Generalized Analytical Solutions for Groundwater Head in Inclined Aquifers in the Presence of Subsurface Drains. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 194-203.	0.6	4
65	Master Diagnostic Curve for Dispersion Coefficient of Soils. Journal of Environmental Engineering, ASCE, 2005, 131, 988-993.	0.7	3
66	Closure to â€œSimplified Use of Gamma-Distribution/Nash Model for Runoff Modelingâ€•by Sushil K. Singh. Journal of Hydrologic Engineering - ASCE, 2006, 11, 87-88.	0.8	3
67	Flow Depletion of Semipervious Streams Due to Unsteady Pumping Discharge. Journal of Irrigation and Drainage Engineering - ASCE, 2006, 132, 406-409.	0.6	3
68	Optimal Instantaneous Unit Hydrograph from Multistorm Data. Journal of Irrigation and Drainage Engineering - ASCE, 2006, 132, 298-302.	0.6	3
69	Comparing Three Models for Treatment of Stagnant Zones in Riverine Transport. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 853-856.	0.6	3
70	Generalized Analytical Solutions for Alternate and Sequent Depths in Rectangular Channels: Nonuniform Velocity. Journal of Irrigation and Drainage Engineering - ASCE, 2013, 139, 426-431.	0.6	3
71	Generalized Analytical Solutions for Alternate and Sequent Depths in Rectangular Open Channels: Sine Form. Journal of Irrigation and Drainage Engineering - ASCE, 2015, 141, .	0.6	3
72	Discussion of â€œSimplified Two-Parameter Gamma Distribution for Derivation of Synthetic Unit Hydrographâ€•by P. K. Bhunya, S. K. Mishra, and Ronny Berndtsson. Journal of Hydrologic Engineering - ASCE, 2005, 10, 520-521.	0.8	2

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73	Comment on "A concept of maximum stream depletion rate for leaky aquifers in alluvial valleys"by Vitaly A. Zlotnik. Water Resources Research, 2005, 41, .	1.7	2
74	Drawdown and Stream Depletion Produced by Pumping in the Vicinity of a Partially Penetrating Stream. Ground Water, 2006, 44, 142-143.	0.7	2
75	Discussion of "Aquifer Response to Linearly Varying Stream Stage"by Rajesh Srivastava. Journal of Hydrologic Engineering - ASCE, 2006, 11, 84-85.	0.8	2
76	Closure to "Approximation of Well Function for Large Diameter Wells"by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 543-544.	0.6	2
77	Simple Model for Analyzing Transient Pumping from Two Aquifers with Cross Flow. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 228-234.	0.6	2
78	Closure to "Estimating Storage Coefficient and Transmissivity from Slug Test Data"by Prabhata K. Swamee and Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 126-126.	0.6	2
79	Time Base as an Invertible Function of the Parameters of Gamma Unit Hydrograph. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 802-805.	0.6	2
80	Closure to "Aquifer Parameters from Drawdowns in Large-Diameter Wells: Unsteady Pumping"by Sushil K. Singh. Journal of Hydrologic Engineering - ASCE, 2009, 14, 1042-1044.	0.8	2
81	"A stream depletion field experiment," by Bruce Hunt, Julian Weir, and Bente Clausen, march-april 2001 issue, v. 39, no. 2: 283-289. Ground Water, 2004, 42, 787-8; discussion 788-9.	0.7	2
82	Closure to "Master Diagnostic Curve for Dispersion Coefficient of Soils"by Sushil K. Singh. Journal of Environmental Engineering, ASCE, 2006, 132, 1083-1084.	0.7	1
83	Discussion of "Stream Multiaquifer Well Interactions"by Govinda C. Mishra and Mohd Fahimuddin. Journal of Irrigation and Drainage Engineering - ASCE, 2007, 133, 286-286.	0.6	1
84	Modeling Laboratory Observations on Stream-Aquifer Interaction. Journal of Irrigation and Drainage Engineering - ASCE, 2007, 133, 79-82.	0.6	1
85	Discussion of "Asymptotic Solutions for One-Dimensional Dispersion in Rivers"by Bruce Hunt. Journal of Hydraulic Engineering, 2008, 134, 869-869.	0.7	1
86	Discussion of "Development of Optimal and Physically Realizable Unit Hydrograph"by Sharad K. Jain, V. P. Singh, and P. K. Bhunya. Journal of Hydrologic Engineering - ASCE, 2008, 13, 527-528.	0.8	1
87	Closure to "Approximation of Well Function for Large Diameter Wells"by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 77-79.	0.6	1
88	Closure to "Approximation of M-Function for Partially Penetrating Wells"by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 217-220.	0.6	1
89	Closure to "Generalized Analytical Solutions for Groundwater Head in a Horizontal Aquifer in the Presence of Subsurface Drains"by S. K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 583-584.	0.6	1
90	Modeling the Transient Pumping from Two Aquifers Using MODFLOW. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 276-281.	0.6	1

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91	Unified Extreme-Value Distribution. Journal of Irrigation and Drainage Engineering - ASCE, 2017, 143, .	0.6	1
92	Closure to â€œRamp Kernels for Aquifer Responses to Arbitrary Stream Stageâ€•by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2006, 132, 430-431.	0.6	0
93	Discussion of â€œParameter Estimation of Beta Distribution for Unit Hydrograph Derivationâ€•by P. K. Bhunya, S. K. Mishra, C. S. P. Ojha, and Ronny Berndtsson. Journal of Hydrologic Engineering - ASCE, 2006, 11, 193-194.	0.8	0
94	Discussion of â€œHybrid Model for Derivation of Synthetic Unit Hydrographâ€•by P. K. Bhunya, N. C. Ghosh, S. K. Mishra, C. S. P. Ojha, and Ronny Berndtsson. Journal of Hydrologic Engineering - ASCE, 2007, 12, 545-546.	0.8	0
95	Closure to â€œDiagnostic Curve for Estimating Soil Dispersivity and Instantaneously Injected Massâ€•by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 112-114.	0.6	0
96	Closure to â€œSimulating the Well Function for Large-Diameter Wells Using MODFLOWâ€•by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 516-517.	0.6	0
97	Closure to â€œNew Methods for Aquifer Parameters from Slug Test Dataâ€•by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 265-266.	0.6	0
98	Closure to â€œOptimizing Aquifer Parameters from Drawdowns in Large Diameter Wellsâ€•by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 267-268.	0.6	0
99	Closure to â€œSimple Model for Analyzing Transient Pumping from Two Aquifers without Cross Flowâ€•by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 791-792.	0.6	0
100	Discussion of â€œEffective Procedure for Determination of Aquifer Parameters from Late Time-Drawdown Dataâ€•by M. Ã‡imen. Journal of Hydrologic Engineering - ASCE, 2010, 15, 589-591.	0.8	0
101	Closure to â€œSimple Approximation of Well Function for Constant Drawdown Variable Discharge Artesian Wellsâ€•by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 491-492.	0.6	0
102	Closure to â€œGeneralized Analytical Solutions for Groundwater Head in Inclined Aquifers in the Presence of Subsurface Drainsâ€•by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 490-491.	0.6	0
103	Closure to â€œNew Methods for Aquifer Parameters from Slug Test Dataâ€•by Sushil K. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 489-490.	0.6	0
104	Analytical Solutions of Energy Equation for Rectangular Channels: Direct Approach. Journal of Irrigation and Drainage Engineering - ASCE, 2017, 143, 06016013.	0.6	0