

# Ali R Vatankhah

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

161  
papers

957  
citations

15  
h-index

23  
g-index

169  
ext. papers

1,079  
ext. citations

1.8  
avg, IF

5.46  
L-index

#	Paper	IF	Citations
161	Conjugate depths in partially filled sewers and pipes. <i>Environmental Fluid Mechanics</i> , <b>2021</b> , 21, 605-617	2.2	
160	Discussion of Analytical Methodology for the Discharge-Stage Relation of Flexible Shape Palmer-Bowlus Flumes by Sara Todeschini, Sauro Manenti, Francesco Volponi, and Carlo Ciaponi. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2021</b> , 147, 07021003	1.1	
159	Experimental study on rectangular cut-throated flume: Effects of flume walls slopes and channel longitudinal slope. <i>Flow Measurement and Instrumentation</i> , <b>2021</b> , 79, 101919	2.2	1
158	Stage-discharge relationship for slide gates installed in partially full pipes. <i>Flow Measurement and Instrumentation</i> , <b>2021</b> , 77, 101838	2.2	0
157	Discharge Equation for Round Gates in Turnout Pipes: Dimensional Analysis and Theoretical Approaches. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2021</b> , 147, 06020015	1.1	0
156	The lumped Muskingum flood routing model revisited: the storage relationship. <i>Hydrological Sciences Journal</i> , <b>2021</b> , 66, 1625-1637	3.5	0
155	Discussion of Expert System for Determining Discharge Coefficients for Inclined Slide Gates Using Genetic Programming by Farzin Salmasi and John Abraham. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2021</b> , 147, 07021016	1.1	
154	Discharge equation of semi-circular side weirs: An experimental study. <i>Flow Measurement and Instrumentation</i> , <b>2021</b> , 81, 102041	2.2	1
153	Stage-Discharge Relationship for Weir Orifice Structure Located at the End of Circular Open Channels. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2020</b> , 146, 06020006	1.1	2
152	Analytical and experimental study of flow through elliptical side orifices. <i>Flow Measurement and Instrumentation</i> , <b>2020</b> , 72, 101712	2.2	2
151	Stage-discharge equation for simple flumes with semi-cylinder contractions. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	4
150	Closure to Approximate Analytical Solutions for the Colebrook Equation by Ali R. Vatankhah. <i>Journal of Hydraulic Engineering</i> , <b>2020</b> , 146, 07019013	1.8	2
149	Optimum simple and complex power-law channels. <i>SN Applied Sciences</i> , <b>2020</b> , 2, 1	1.8	
148	Experimental modeling of flumes with two semi-cylinder contractions (free and submerged flows). <i>Flow Measurement and Instrumentation</i> , <b>2020</b> , 76, 101844	2.2	2
147	Discussion of Channel Flow Measurement Using Portable Conical Central Baffle by Ankur Kapoor, Aniruddha D. Ghare, Avinash D. Vasudeo, and Avinash M. Badar. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2020</b> , 146, 07020009	1.1	3
146	Open-channel sections with constant kinematic wave parameters. <i>ISH Journal of Hydraulic Engineering</i> , <b>2020</b> , 26, 319-324	1.5	
145	Discussion of Applying Hypothesis of Self-Similarity for Flow-Resistance Law in Calabrian Gravel-Bed Rivers by Vito Ferro and Paolo Porto. <i>Journal of Hydraulic Engineering</i> , <b>2019</b> , 145, 07019001	1.8	

144	Stage-discharge relationship for triangular and curved-edge triangular weirs. <i>Flow Measurement and Instrumentation</i> , <b>2019</b> , 69, 101609	2.2	5
143	Stage-Discharge Relationship for Sharp-Crested Rectangular Slit Weirs. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2019</b> , 145, 06019006	1.1	7
142	Closure to Predicting Discharge Coefficient of Triangular Side Orifice under Free Flow Conditions by Ali R. Vatankhah and S. H. Mirnia. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2019</b> , 145, 07019009 <sup>1</sup>	1.1	9 <sup>1</sup>
141	GENERAL STAGEDISCHARGE RELATIONSHIP FOR SHARP-CRESTED POWER-LAW WEIRS: ANALYTICAL AND EXPERIMENTAL STUDY. <i>Irrigation and Drainage</i> , <b>2019</b> , 68, 808-821	1.1	3
140	Discussion of Flow through Partially Submerged Orifice by James C. Y. Guo and Ryan P. Stitt. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2018</b> , 144, 07018022	1.1	1
139	Discussion of Analytical Approach for Derivation of Oscillation-Free Altered Duration Unit Hydrographs by P. R. Patil and S. K. Mishra. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2018</b> , 23, 07018004 <sup>1.8</sup>	1.8	
138	Discussion of Explicit Equations for Uniform Flow Depth by Vito Ferro and Michele Sciacca. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2018</b> , 144, 07018013	1.1	
137	New Theoretical Solution of Stage-Discharge Relationship for Slit Weirs. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2018</b> , 144, 06018001	1.1	6
136	Approximate Analytical Solutions for the Colebrook Equation. <i>Journal of Hydraulic Engineering</i> , <b>2018</b> , 144, 06018007	1.8	17
135	Discussion of Analytical Solutions of Energy Equation for Rectangular Channels: Direct Approach by Sushil K. Singh. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2018</b> , 144, 07018025	1.1	1
134	Assessing Stage-Discharge Relationships for Circular Overflow Structure. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2018</b> , 144, 04017053	1.1	4
133	Predicting Discharge Coefficient of Triangular Side Orifice under Free Flow Conditions. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2018</b> , 144, 04018030	1.1	11
132	Discussion of Assessment of Modified Honey Bee Mating Optimization for Parameter Estimation of Nonlinear Muskingum Models by Majid Niazkar and Seied Hosein Afzali. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2018</b> , 23, 07018002	1.8	6
131	Applying Hypothesis of Self-Similarity for Flow-Resistance Law in Calabrian Gravel-Bed Rivers. <i>Journal of Hydraulic Engineering</i> , <b>2018</b> , 144, 04017061	1.8	31
130	Normal depth and wetted perimeter in general power-law channels. <i>Flow Measurement and Instrumentation</i> , <b>2018</b> , 64, 234-241	2.2	2
129	Discussion of Explicit Solution for the Specific Flow Depths in Partially Filled Pipes by Mohamed Elhakeem and Ahmed Sattar. <i>Journal of Pipeline Systems Engineering and Practice</i> , <b>2018</b> , 9, 07018003	1.5	
128	Discussion of Calibrating the Loss Coefficient of a Porous Plate by Patrick F. Cummins. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2018</b> , 144, 07018001	1.7	
127	Semi-circular flap gate as a flow metering structure in circular channels. <i>Flow Measurement and Instrumentation</i> , <b>2018</b> , 64, 28-38	2.2	4

126	Discussion of <b>New Theoretical Solution of Stage-Discharge Relationship for Slit Weirs</b> by Vito Ferro and Ismail Aydin. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2018</b> , 144, 07018035	1.1	1
125	Discussion of <b>Comparison of Current Methods for the Evaluation of Einstein's Integrals</b> by Kaveh Zamani, Fabi A. Bombardelli, and Babak Kamrani-Moghaddam. <i>Journal of Hydraulic Engineering</i> , <b>2018</b> , 144, 07018016	1.8	1
124	Discussion of <b>Assessing Stage-Discharge Relationships for Circular Overflow Structure</b> by M. Bijankhan and V. Ferro. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2018</b> , 144, 07018033	1.1	2
123	Discussion of <b>Explicit Solution for Flow Depth in Open Channels of Trapezoidal Cross-Sectional Area: Classic Problem of Interest</b> by Mohamed Elhakeem. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2018</b> , 144, 07018018	1.1	
122	Discussion of <b>New Stage-Discharge Equation for the SMBF Flume</b> by Francesco Giuseppe Carollo, Costanza Di Stefano, Vito Ferro, and Vincenzo Pampalone. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2017</b> , 143, 07017011	1.1	6
121	<b>Explicit Equations for Uniform Flow Depth.</b> <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2017</b> , 143, 06016016	1.1	2
120	<b>Explicit Solution for the Specific Flow Depths in Partially Filled Pipes.</b> <i>Journal of Pipeline Systems Engineering and Practice</i> , <b>2017</b> , 8, 06017004	1.5	4
119	<b>Flow through Partially Submerged Orifice.</b> <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2017</b> , 143, 06017006	1.1	3
118	Discussion of <b>Physical and Numerical Modeling of Large Headwater Ratios for a 15° Labyrinth Spillway</b> by Bruce M. Savage, Brian M. Crookston, and Greg S. Paxson. <i>Journal of Hydraulic Engineering</i> , <b>2017</b> , 143, 07017011	1.8	
117	<b>General Solution of Conjugate Depth Ratio (Power-Law Channels).</b> <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2017</b> , 143, 06017009	1.1	3
116	<b>Comparison of Current Methods for the Evaluation of Einstein's Integrals.</b> <i>Journal of Hydraulic Engineering</i> , <b>2017</b> , 143, 06016026	1.8	3
115	<b>Sharp-crested weir located at the end of a circular channel.</b> <i>Water Management</i> , <b>2017</b> , 170, 287-297	1	12
114	<b>Calibrating the Loss Coefficient of a Porous Plate.</b> <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2017</b> , 143, 06016004	1.7	
113	<b>Non-linear Muskingum model with inflow-based exponent.</b> <i>Water Management</i> , <b>2017</b> , 170, 66-80	1	4
112	Discussion of <b>Hydraulic Characteristics of Flow over Sinusoidal Sharp-Crested Weirs</b> by Zahra Oreizi, Manouchehr Heidarpour, and Sara Bagheri. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2016</b> , 142, 07015031	1.1	2
111	Discussion of <b>Reduction of Flow Separation and Energy Head Losses in Expansions Using a Hump</b> by A. Najafi-Nejad-Nasser and S. S. Li. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2016</b> , 142, 07015032	1.1	
110	Discussion of <b>Stage-Discharge Models for Concrete Orifices: Impact on Estimating Detention Basin Drawdown Time</b> by W. T. Barlow and D. Brandes. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2016</b> , 142, 07016016	1.1	7
109	Discussion of <b>Design of Zero Slope Microirrigation Laterals: Effect of the Friction Factor Variation</b> by Sayed-Hossein Sadeghi, R. Troy Peters, and Freddie R. Lamm. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2016</b> , 142, 07016005	1.1	

108	Physical and Numerical Modeling of Large Headwater Ratios for a 15° Labyrinth Spillway. <i>Journal of Hydraulic Engineering</i> , <b>2016</b> , 142, 04016046	1.8	38
107	Discussion of Stage-Discharge Relationship for an Upstream Inclined Grid with Transversal Bars by C. Di Stefano, and V. Ferro. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2016</b> , 142, 07016007	1.1	2
106	Normal Depth in Power-Law Channels. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2015</b> , 20, 06014008	1.8	10
105	Critical and Normal Depths in Semielliptical Channels. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2015</b> , 141, 06015002	1.1	3
104	Discussion of Parameter Estimation for the Nonlinear Forms of the Muskingum Model by Piyusha Hirpurkar and Aniruddha D. Ghare. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2015</b> , 20, 07015018	1.8	1
103	Discussion of Supercritical Flow Measurement Using a Large Parshall Flume by Amanda L. Cox, Christopher I. Thornton, and Steven R. Abt. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2015</b> , 141, 07014041	1.1	1
102	Analytical solution of gradually varied flow equation in circular channels using variable Manning coefficient. <i>Flow Measurement and Instrumentation</i> , <b>2015</b> , 43, 53-58	2.2	5
101	Discussion of Diverging Kinematic Wave Flow by James C. Y. Guo and Eric S. C. Hsu. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2015</b> , 141, 07015001	1.1	
100	Discussion of Estimation of Critical Velocity for Slurry Transport through Pipeline Using Adaptive Neuro-Fuzzy Interference System and Gene-Expression Programming by H. Md. Azamathulla and Z. Ahmad. <i>Journal of Pipeline Systems Engineering and Practice</i> , <b>2015</b> , 6, 07014003	1.5	
99	Assessment of Modified Honey Bee Mating Optimization for Parameter Estimation of Nonlinear Muskingum Models. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2015</b> , 20, 04014055	1.8	41
98	New and improved hydraulic radius for channels of the second kind. <i>Ain Shams Engineering Journal</i> , <b>2015</b> , 6, 767-773	4-4	4
97	Direct solutions for normal depth in parabolic and rectangular open channels using asymptotic matching technique. <i>Flow Measurement and Instrumentation</i> , <b>2015</b> , 46, 66-71	2.2	7
96	Discussion of Discharge Coefficients for Orifices Cut into Round Pipes by Alex J. McLemore, John S. Tyner, Daniel C. Yoder, and John R. Buchanan. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2015</b> , 141, 07015022	1.1	2
95	Discussion of Inductive Group Method of Data Handling Neural Network Approach to Model Basin Sediment Yield by Vaibhav Garg. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2015</b> , 20, 07015020	1.8	
94	Discussion of Discharge Coefficient Analysis for Triangular Sharp-Crested Weirs Using Low-Speed Photographic Technique by C. Bautista-Capetillo, O. Robles, H. Jérez-Ferreira, and E. Playá. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2015</b> , 141, 07014065	1.1	
93	Discussion of Calculating Discharge from Culverts under Inlet Control Using Stage at the Inlet by Elizabeth M. Toman, Arne E. Skaugset III, and Amy N. Simmons. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2015</b> , 141, 07014058	1.1	1
92	Power-law free overfall in subcritical flow regime. <i>Ain Shams Engineering Journal</i> , <b>2015</b> , 6, 399-402	4-4	4
91	Discussion of Modified Green-Ampt Infiltration Model for Steady Rainfall by J. Almedeij and I. I. Esen. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2015</b> , 20, 07014011	1.8	5

90	Discussion of Discharge Characteristics of a Trapezoidal Labyrinth Side Weir with One and Two Cycles in Subcritical Flow by M. Emin Emiroglu, M. Cihan Aydin, and Nihat Kaya. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2015</b> , 141, 07015003	1.1	3
89	Discussion of Application of excel solver for parameter estimation of the nonlinear Muskingum models by Reza Barati. <i>KSCE Journal of Civil Engineering</i> , <b>2015</b> , 19, 332-336	1.9	3
88	Closure to Evaluation of Explicit Numerical Solution Methods of the Muskingum Model by Ali R. Vatankhah. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2015</b> , 20, 07015006	1.8	
87	Calculating Discharge from Culverts under Inlet Control Using Stage at the Inlet. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2014</b> , 140, 06013003	1.1	2
86	Evaluation of Explicit Numerical Solution Methods of the Muskingum Model. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2014</b> , 19, 06014001	1.8	14
85	Discussion of Hydraulic Design and Analysis of Labyrinth Weirs. I: Discharge Relationships by B. M. Crookston and B. P. Tullis. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2014</b> , 140, 07014021	1.1	4
84	Discussion of V-Shaped Multislit Weirs by A. S. Ramamurthy, J. Kai, and S. S. Han. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2014</b> , 140, 07014023	1.1	3
83	Discussion of Novel Approach for Side Weirs in Supercritical Flow by Francesco Granata, Giovanni de Marinis, Rudy Gargano, and Carla Tricarico. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2014</b> , 140, 07014025	1.1	1
82	Simplified procedure for determining of drop and stilling basin invert elevations. <i>Ain Shams Engineering Journal</i> , <b>2014</b> , 5, 1-6	4.4	2
81	Semi-regular polygon as the best hydraulic section in practice (generalized solutions). <i>Flow Measurement and Instrumentation</i> , <b>2014</b> , 38, 67-71	2.2	12
80	Discussion of Experimental Study of the Stage-Discharge Relationship for an Upstream Inclined Grid with Longitudinal Bars by C. Di Stefano and V. Ferro. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2014</b> , 140, 07014027	1.1	1
79	Discussion of Improved Nonlinear Muskingum Model with Variable Exponent Parameter by Said M. Easa. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2014</b> , 19, 07014004	1.8	3
78	Discussion of Optimal Design of Horizontally Framed Miter Gates by Matteo Camporese. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2014</b> , 140, 07014001	1.7	
77	New open channel with elliptic sides and horizontal bottom. <i>KSCE Journal of Civil Engineering</i> , <b>2014</b> , 18, 1197-1204	1.9	5
76	Closure to Multiple Critical Depth Occurrence in Two-Stage Cross Sections: Effect of Side Slope Change by Ali R. Vatankhah. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2014</b> , 19, 07014002	1.8	
75	Discussion of Parameter Estimation of the Nonlinear Muskingum Flood-Routing Model Using a Hybrid Harmony Search Algorithm by Halil Karahan, Gurhan Gurarslan, and Zong Woo Geem. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2014</b> , 19, 839-842	1.8	15
74	Full-Range Solution for the Theis Well Function. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2014</b> , 19, 649-658		3
73	Discussion of Discharge Coefficients for Baffle-Sluice Gates by P. K. Mishra, Wernher Brevis, and Cornelia Lang. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2014</b> , 140, 07014011	1.1	2

72	Briefing: Direct solution for water surface profile in circular channels. <i>Water Management</i> , <b>2014</b> , 167, 311-317	1	1
71	Comment on Gene expression programming analysis of implicit Colebrook-White equation in turbulent flow friction factor calculation. <i>Journal of Petroleum Science and Engineering</i> , <b>2014</b> , 124, 402-405	4.4	14
70	Alternative Solutions for Horizontal Circular Curves by Noniterative Methods. <i>Journal of Surveying Engineering</i> , - ASCE, <b>2013</b> , 139, 111-119	1.3	2
69	Limiting dimensions for trapezoidal channels and control notches (Design Aid). <i>KSCE Journal of Civil Engineering</i> , <b>2013</b> , 17, 850-857	1.9	2
68	Discussion of Groundwater Mound due to Artificial Recharge from Rectangular Areas. By Sushil K. Singh. <i>Journal of Irrigation and Drainage Engineering</i> - ASCE, <b>2013</b> , 139, 785-789	1.1	1
67	Supercritical Flow Measurement Using a Large Parshall Flume. <i>Journal of Irrigation and Drainage Engineering</i> - ASCE, <b>2013</b> , 139, 655-662	1.1	8
66	Discussion of Experimental Studies on Flow over Labyrinth Weir. By B. V. Khode, A. R. Tembhurkar, P. D. Porey, and R. N. Ingle. <i>Journal of Irrigation and Drainage Engineering</i> - ASCE, <b>2013</b> , 139, 1051-1053	1.1	3
65	Depth-independent kinematic wave parameters for trapezoidal and power-law channels. <i>Ain Shams Engineering Journal</i> , <b>2013</b> , 4, 173-183	4.4	1
64	Explicit solutions for critical and normal depths in trapezoidal and parabolic open channels. <i>Ain Shams Engineering Journal</i> , <b>2013</b> , 4, 17-23	4.4	12
63	Accurate gradually varied flow model for water surface profile in circular channels. <i>Ain Shams Engineering Journal</i> , <b>2013</b> , 4, 625-632	4.4	3
62	Water surface profile along a side weir in a parabolic channel. <i>Flow Measurement and Instrumentation</i> , <b>2013</b> , 32, 90-95	2.2	16
61	Multiple Critical Depth Occurrence in Two-Stage Cross Sections: Effect of Side Slope Change. <i>Journal of Hydrologic Engineering</i> - ASCE, <b>2013</b> , 18, 722-728	1.8	2
60	Improved explicit approximation of linear dispersion relationship for gravity waves: Comment on another discussion. <i>Coastal Engineering</i> , <b>2013</b> , 81, 30-31	4.8	2
59	Discussion of New Method for Modeling Thin-Walled Orifice Flow under Partially Submerged Conditions. By David Brandes and William T. Barlow. <i>Journal of Irrigation and Drainage Engineering</i> - ASCE, <b>2013</b> , 139, 789-793	1.1	7
58	Water Surface Profiles along a Rectangular Side Weir in a U-Shaped Channel (Analytical Findings). <i>Journal of Hydrologic Engineering</i> - ASCE, <b>2013</b> , 18, 595-602	1.8	21
57	Improved explicit approximation of linear dispersion relationship for gravity waves: A discussion. <i>Coastal Engineering</i> , <b>2013</b> , 78, 21-22	4.8	5
56	Direct solution for discharge in generalized trapezoidal free overfall. <i>Flow Measurement and Instrumentation</i> , <b>2013</b> , 29, 61-64	2.2	8
55	Discussion: Hydraulic jump in arbitrary prismatic channel. <i>Water Management</i> , <b>2013</b> , 166, 351-354	1	0

54	Comment on Quasi-theoretical end-depth-discharge relationship for trapezoidal channels <i>Journal of Hydrology</i> , <b>2013</b> , 477, 261-264	6	1
53	Experimental Study of the Stage-Discharge Relationship for an Upstream Inclined Grid with Longitudinal Bars. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2013</b> , 139, 691-695	1.1	9
52	Closure to Simplified Accurate Solution for Design of Erodible Trapezoidal Channels by Ali R. Vatankhah and Said M. Easa. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2013</b> , 18, 617-618	1.8	2
51	Determination of drain pipe diameter using spatially varied flow theorem. <i>Water Management</i> , <b>2012</b> , 165, 31-37	1	0
50	Simplified procedure for design of long-throated flumes and weirs. <i>Flow Measurement and Instrumentation</i> , <b>2012</b> , 26, 79-84	2.2	10
49	Direct solutions for normal and critical depths in standard city-gate sections. <i>Flow Measurement and Instrumentation</i> , <b>2012</b> , 28, 16-21	2.2	2
48	Briefing: Non-iterative solution for positive surge waves. <i>Water Management</i> , <b>2012</b> , 165, 147-152	1	0
47	Comment on Direct solution for discharge in circular free overfall by Z. Ahmad, H. Md. Azamathulla. <i>Hydrol.</i> , in press. doi: <a href="http://dx.doi.org/10.1016/j.jhydrol.2012.04.025">http://dx.doi.org/10.1016/j.jhydrol.2012.04.025</a> . <i>Journal of Hydrology</i> , <b>2012</b> , 466-467, 185-187	6	2
46	Direct Integration of Manning-Based GVF Equation in Trapezoidal Channels. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2012</b> , 17, 455-462	1.8	9
45	Analytical solution for water surface profile along a side weir in a triangular channel. <i>Flow Measurement and Instrumentation</i> , <b>2012</b> , 23, 76-79	2.2	21
44	Discussion of Energy and Momentum Velocity Coefficients for Calibrating Submerged Sluice Gates in Irrigation Canals by Oscar Castro-Orgaz, David Lozano, and Luciano Mateos. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2012</b> , 138, 854-855	1.1	
43	Head-Discharge Equation for Sharp-Crested Weir with Piecewise-Linear Sides. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2012</b> , 138, 1011-1018	1.1	8
42	Discussion of Energy and Momentum Velocity Coefficients for Calibrating Submerged Sluice Gates in Irrigation Canals by Oscar Castro-Orgaz, David Lozano, and Luciano Mateos. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2012</b> , 138, 852-854	1.1	4
41	Direct solutions for design of grass-lined channels. <i>Water Management</i> , <b>2012</b> , 165, 153-159	1	2
40	Briefing: Water surface profile over side weir in a trapezoidal channel. <i>Water Management</i> , <b>2012</b> , 165, 247-252	1	12
39	New Solution Method for Water Surface Profile along a Side Weir in a Circular Channel. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2012</b> , 138, 948-954	1.1	21
38	Analytical inversion of specific energy-depth relationship in channels with parabolic cross-sections. <i>Hydrological Sciences Journal</i> , <b>2011</b> , 56, 834-840	3.5	8
37	Simplified Accurate Solution for Design of Erodible Trapezoidal Channels. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2011</b> , 16, 960-965	1.8	6



36	Analytical solutions for Bingham plastic fluids in laminar regime. <i>Journal of Petroleum Science and Engineering</i> , <b>2011</b> , 78, 596-600	4.4	5
35	Role of Energy Loss on Discharge Characteristics of Sluice Gates. <i>Journal of Hydraulic Engineering</i> , <b>2011</b> , 137, 1079-1084	1.8	45
34	Explicit solutions for critical and normal depths in channels with different shapes. <i>Flow Measurement and Instrumentation</i> , <b>2011</b> , 22, 43-49	2.2	28
33	Approximate Solutions to Complete Elliptic Integrals for Practical Use in Water Engineering. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2011</b> , 16, 942-945	1.8	18
32	Direct integration of gradually varied flow equation in parabolic channels. <i>Flow Measurement and Instrumentation</i> , <b>2011</b> , 22, 235-241	2.2	10
31	A simplified direct method for finding optimal stable trapezoidal channels. <i>International Journal of River Basin Management</i> , <b>2011</b> , 9, 85-92	1.7	7
30	Direct integration of Manning-based gradually varied flow equation. <i>Water Management</i> , <b>2011</b> , 164, 257-264	1.8	8
29	Influence of Regulators in Controlling Upstream Water Depth. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2011</b> , 137, 620-623	1.1	1
28	Discussion of Improved Channel Cross Section with Two-Segment Parabolic Sides and Horizontal Bottom by Said M. Easa. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2010</b> , 136, 662-665	1.1	2
27	Discussion of Applying Particle Swarm Optimization to Parameter Estimation of the Nonlinear Muskingum Model by H.-J. Chu and L.-C. Chang. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2010</b> , 15, 949-952	1.8	22
26	Choke-free flow in trapezoidal channels. <i>Water Management</i> , <b>2010</b> , 163, 439-445	1	3
25	Discussion of Quick Method for Estimating Furrow Infiltration by Damodhara R. Mailapalli, W. W. Wallender, N. S. Raghuwansi, and R. Singh. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2010</b> , 136, 73-75	1.1	6
24	Exact Sensitivity Equation for One-Dimensional Steady-State Shallow Water Flow (Application to Model Calibration). <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2010</b> , 15, 939-945	1.8	9
23	Choke-free flow in circular and ovoidal channels. <i>Water Management</i> , <b>2010</b> , 163, 207-215	1	7
22	Direct solution to problems of hydraulic jump in horizontal triangular channels. <i>Applied Mathematics Letters</i> , <b>2010</b> , 23, 1104-1108	3.5	7
21	Flow measurement using circular sharp-crested weirs. <i>Flow Measurement and Instrumentation</i> , <b>2010</b> , 21, 118-122	2.2	42
20	Analytical integration of the equation of gradually varied flow for triangular channels. <i>Flow Measurement and Instrumentation</i> , <b>2010</b> , 21, 546-549	2.2	12
19	Analytical solution of specific energy and specific force equations: Trapezoidal and triangular channels. <i>Advances in Water Resources</i> , <b>2010</b> , 33, 184-189	4.7	8

18	Discussion of Head-Discharge Equation for Sharp-Crested Polynomial Weir by Raouf E. Baddour. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2009</b> , 135, 393-395	1.1	5
17	Exact equations for pipe-flow problems. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , <b>2009</b> , 47, 537-538	1.9	11
16	Discussion of Effect of Channel Shape on Time of Travel and Equilibrium Detention Storage in Channel by Tommy S. W. Wong. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2009</b> , 14, 531-532	1.8	
15	Discussion of Method of Solution of Nonuniform Flow with the Presence of Rectangular Side Weir by Maurizio Venutelli. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2009</b> , 135, 812-814	1.1	12
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13	Discussion of Most Hydraulically Efficient Standard Lined Canal Sections by David C. Froehlich. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2009</b> , 135, 398-399	1.1	1
12	Comments on Depth-Energy and depth-force relationships in open channel flows II: Analytical findings for power-law cross sections by A. Valiani, V. Caleffi [Adv. Water Resour. 32 (2009) 213-224]. <i>Advances in Water Resources</i> , <b>2009</b> , 32, 963-964	4.7	5
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10	Improved Channel Cross Section with Two-Segment Parabolic Sides and Horizontal Bottom. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , <b>2009</b> , 135, 357-365	1.1	26
9	Discussion of Turbulent Flow Friction Factor Calculation Using a Mathematically Exact Alternative to the Colebrook-White Equation by Jagadeesh R. Sonnad and Chetan T. Goudar. <i>Journal of Hydraulic Engineering</i> , <b>2008</b> , 134, 1187-1187	1.8	19
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