

Halil Karahan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/165705/publications.pdf>

Version: 2024-02-01

31
papers

997
citations

471061

17
h-index

454577

30
g-index

31
all docs

31
docs citations

31
times ranked

728
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of differential evolution algorithm and comparing its performance with literature to predict rock brittleness for excavatability. International Journal of Mining, Reclamation and Environment, 2020, 34, 672-685.	1.2	15
2	Discussion of "Evaluation of Explicit Numerical Solution Methods of the Muskingum Model" by Ali R. Vatankhah. Journal of Hydrologic Engineering - ASCE, 2015, 20, 07015005.	0.8	1
3	Solving inverse problems of groundwater-pollution-source identification using a differential evolution algorithm. Hydrogeology Journal, 2015, 23, 1109-1119.	0.9	45
4	Application of various optimization techniques and comparison of their performances for predicting TBM penetration rate in rock mass. International Journal of Rock Mechanics and Minings Sciences, 2015, 80, 308-315.	2.6	93
5	A new nonlinear Muskingum flood routing model incorporating lateral flow. Engineering Optimization, 2015, 47, 737-749.	1.5	43
6	Closure to "Parameter Estimation of the Nonlinear Muskingum Flood-Routing Model Using a Hybrid Harmony Search Algorithm" by Halil Karahan, Gurhan Gurarslan, and Zong Woo Geem. Journal of Hydrologic Engineering - ASCE, 2014, 19, 847-853.	0.8	3
7	Discussion of "Improved Nonlinear Muskingum Model with Variable Exponent Parameter" by Said M. Easa. Journal of Hydrologic Engineering - ASCE, 2014, 19, .	0.8	17
8	River Flow Estimation from Upstream Flow Records Using Support Vector Machines. Journal of Applied Mathematics, 2014, 2014, 1-7.	0.4	8
9	Discussion of "Differential Quadrature Method in Open Channel Flows: Aksu River, Turkey" by Birol Kaya, Aslı Ulke, and Cevza Melek Kazezyılmaz-Alhan. Journal of Hydrologic Engineering - ASCE, 2014, 19, 07014003.	0.8	1
10	Discussion of "Estimation of Nonlinear Muskingum Model Parameter Using Differential Evolution" by Dong-Mei Xu, Lin Qiu, and Shou-Yu Chen. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1064-1067.	0.8	2
11	Discussion of "Parameter Estimation of Nonlinear Muskingum Models Using Nelder-Mead Simplex Algorithm" by Reza Barati. Journal of Hydrologic Engineering - ASCE, 2013, 18, 365-367.	0.8	8
12	Parameter Estimation of the Nonlinear Muskingum Flood-Routing Model Using a Hybrid Harmony Search Algorithm. Journal of Hydrologic Engineering - ASCE, 2013, 18, 352-360.	0.8	119
13	Numerical Solution of Advection-Diffusion Equation Using a Sixth-Order Compact Finite Difference Method. Mathematical Problems in Engineering, 2013, 2013, 1-7.	0.6	27
14	Best fitting distributions for the standard duration annual maximum precipitations in the Aegean Region. Pamukkale University Journal of Engineering Sciences, 2013, 19, 152-157.	0.2	2
15	Determining rainfall-intensity-duration-frequency relationship using Particle Swarm Optimization. KSCE Journal of Civil Engineering, 2012, 16, 667-675.	0.9	13
16	Predicting Muskingum flood routing parameters using spreadsheets. Computer Applications in Engineering Education, 2012, 20, 280-286.	2.2	21
17	Prediction of hard rock TBM penetration rate using particle swarm optimization. International Journal of Rock Mechanics and Minings Sciences, 2011, 48, 427-433.	2.6	165
18	Simultaneous parameter identification of a heterogeneous aquifer system using artificial neural networks. Hydrogeology Journal, 2008, 16, 817-827.	0.9	33

#	ARTICLE	IF	CITATIONS
19	Solution of weighted finite difference techniques with the advection-diffusion equation using spreadsheets. <i>Computer Applications in Engineering Education</i> , 2008, 16, 147-156.	2.2	14
20	A simulation/optimization model for the identification of unknown groundwater well locations and pumping rates. <i>Journal of Hydrology</i> , 2008, 357, 76-92.	2.3	96
21	Aquifer parameter and zone structure estimation using kernel-based fuzzy c-means clustering and genetic algorithm. <i>Journal of Hydrology</i> , 2007, 343, 240-253.	2.3	58
22	Predicting rainfall intensity using a genetic algorithm approach. <i>Hydrological Processes</i> , 2007, 21, 470-475.	1.1	18
23	Modeling three-dimensional free-surface flows using multiple spreadsheets. <i>Computers and Geotechnics</i> , 2007, 34, 112-123.	2.3	11
24	Unconditional stable explicit finite difference technique for the advection-diffusion equation using spreadsheets. <i>Advances in Engineering Software</i> , 2007, 38, 80-86.	1.8	39
25	A third-order upwind scheme for the advection-diffusion equation using spreadsheets. <i>Advances in Engineering Software</i> , 2007, 38, 688-697.	1.8	18
26	Implicit finite difference techniques for the advection-diffusion equation using spreadsheets. <i>Advances in Engineering Software</i> , 2006, 37, 601-608.	1.8	48
27	Forecasting Aquifer Parameters Using Artificial Neural Networks. <i>Journal of Porous Media</i> , 2006, 9, 429-444.	1.0	9
28	Time-dependent groundwater modeling using spreadsheet. <i>Computer Applications in Engineering Education</i> , 2005, 13, 192-199.	2.2	18
29	Transient groundwater modeling using spreadsheets. <i>Advances in Engineering Software</i> , 2005, 36, 374-384.	1.8	24
30	Groundwater Parameter Estimation by Optimization and Dual Reciprocity Finite Differences Method. <i>Journal of Porous Media</i> , 2005, 8, 211-223.	1.0	19
31	An Extended Pressure Application for Transient Seepage Problems with a Free Surface. <i>Journal of Porous Media</i> , 2005, 8, 613-625.	1.0	9