

# Daene C Mckinney

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

2,717  
citations

218677

26  
h-index

289244

40  
g-index

40  
all docs

40  
docs citations

40  
times ranked

2158  
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic algorithm solution of groundwater management models. <i>Water Resources Research</i> , 1994, 30, 1897-1906.	4.2	349
2	Partitioning Tracer Test for Detection, Estimation, and Remediation Performance Assessment of Subsurface Nonaqueous Phase Liquids. <i>Water Resources Research</i> , 1995, 31, 1201-1211.	4.2	242
3	Solving nonlinear water management models using a combined genetic algorithm and linear programming approach. <i>Advances in Water Resources</i> , 2001, 24, 667-676.	3.8	231
4	Integrated Hydrologic-Agronomic-Economic Model for River Basin Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2003, 129, 4-17.	2.6	207
5	Sustainability analysis for irrigation water management in the Aral Sea region. <i>Agricultural Systems</i> , 2003, 76, 1043-1066.	6.1	180
6	Finding Robust Solutions to Water Resources Problems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 1997, 123, 49-58.	2.6	135
7	Identification of Hazard and Risk for Glacial Lakes in the Nepal Himalaya Using Satellite Imagery from 2000â€“2015. <i>Remote Sensing</i> , 2017, 9, 654.	4.0	91
8	Optimizing long-term water allocation in the Amudarya River delta: a water management model for ecological impact assessment. <i>Environmental Modelling and Software</i> , 2005, 20, 529-545.	4.5	86
9	Linking GIS and water resources management models: an object-oriented method. <i>Environmental Modelling and Software</i> , 2002, 17, 413-425.	4.5	83
10	Pump-and-Treat Ground-Water Remediation System Optimization. <i>Journal of Water Resources Planning and Management - ASCE</i> , 1996, 122, 128-136.	2.6	80
11	Approximate Mixed-Integer Nonlinear Programming Methods for Optimal Aquifer Remediation Design. <i>Water Resources Research</i> , 1995, 31, 731-740.	4.2	76
12	A new remote hazard and risk assessment framework for glacial lakes in the Nepal Himalaya. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3455-3475.	4.9	75
13	Calculating the Benefits of Transboundary River Basin Cooperation: Syr Darya Basin. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2011, 137, 481-490.	2.6	70
14	Network design for predicting groundwater contamination. <i>Water Resources Research</i> , 1992, 28, 133-147.	4.2	62
15	Modeling a glacial lake outburst flood process chain: the case of Lake Palcacocha and Huaraz, Peru. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 2519-2543.	4.9	61
16	Solving Large Nonconvex Water Resources Management Models Using Generalized Benders Decomposition. <i>Operations Research</i> , 2001, 49, 235-245.	1.9	55
17	Vadose Zone Characterization at a Contaminated Field Site Using Partitioning Interwell Tracer Technology. <i>Environmental Science &amp; Technology</i> , 1999, 33, 2745-2751.	10.0	48
18	Decomposition methods for water resources optimization models with fixed costs. <i>Advances in Water Resources</i> , 1998, 21, 283-295.	3.8	45

#	ARTICLE	IF	CITATIONS
19	Piece-by-Piece Approach to Solving Large Nonlinear Water Resources Management Models. Journal of Water Resources Planning and Management - ASCE, 2001, 127, 363-368.	2.6	42
20	Modeling the glacial lake outburst flood process chain in the Nepal Himalaya: reassessing Imja Tsho's hazard. Hydrology and Earth System Sciences, 2018, 22, 3721-3737.	4.9	41
21	Expert Geographic Information System for Texas Water Planning. Journal of Water Resources Planning and Management - ASCE, 1993, 119, 170-183.	2.6	37
22	Water sharing agreements sustainable to reduced flows. Journal of Environmental Economics and Management, 2013, 66, 639-655.	4.7	37
23	Brief communication: Observations of a glacier outburst flood from Lhotse Glacier, Everest area, Nepal. Cryosphere, 2017, 11, 443-449.	3.9	37
24	Optimization of Syr Darya Water and Energy Uses. Water International, 2002, 27, 504-516.	1.0	33
25	Glacial lakes of the Hinku and Hongu valleys, Makalu Barun National Park and Buffer Zone, Nepal. Natural Hazards, 2013, 69, 115-139.	3.4	33
26	Laboratory characterization of non-aqueous phase liquid/tracer interaction in support of a vadose zone partitioning interwell tracer test. Journal of Contaminant Hydrology, 2000, 41, 193-204.	3.3	31
27	Sharing Water Resources Data in the Binational Rio Grande/Bravo Basin. Journal of Water Resources Planning and Management - ASCE, 2007, 133, 416-426.	2.6	27
28	Recent developments associated with decision support systems in water resources. Reviews of Geophysics, 1995, 33, 941-948.	23.0	24
29	Development of a Hydrological Model for the Rio Conchos Basin. Journal of Hydrologic Engineering - ASCE, 2013, 18, 340-351.	1.9	24
30	Collaborative Modeling to Evaluate Water Management Scenarios in the Rio Grande Basin. Journal of the American Water Resources Association, 2013, 49, 639-653.	2.4	23
31	Screening Water Supply Options for the Edwards Aquifer Region in Central Texas. Journal of Water Resources Planning and Management - ASCE, 1999, 125, 14-24.	2.6	22
32	Biodegradation of RDX in Unsaturated Soil. Bioremediation Journal, 2001, 5, 1-11.	2.0	20
33	Hydrology of the Jordan River Basin: A GIS-Based System to Better Guide Water Resources Management and Decision Making. Water Resources Management, 2014, 28, 933-946.	3.9	19
34	Promoting science-based, community-driven approaches to climate change adaptation in glaciated mountain ranges: HiMAP. Geography, 2014, 99, 143-152.	0.6	19
35	Water resources management in the Jordan River Basin. Water and Environment Journal, 2013, 27, 495-504.	2.2	16
36	Groundwater Banking in the Rio Grande Basin. Journal of Water Resources Planning and Management - ASCE, 2011, 137, 62-71.	2.6	15

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37	Multigrid Methods in GIS Grid-Cell-Based Modeling Environment. <i>Journal of Computing in Civil Engineering</i> , 1996, 10, 25-30.	4.7	12
38	TRANSBOUNDARY WATER MANAGEMENT: CAN ISSUE LINKAGE HELP MITIGATE EXTERNALITIES?. <i>International Game Theory Review</i> , 2012, 14, 1250002.	0.5	11
39	An assessment of conditions before and after the 1998 Tam Pokhari outburst in the Nepal Himalaya and an evaluation of the future outburst hazard. <i>Hydrological Processes</i> , 2016, 30, 676-691.	2.6	9
40	Decision-Making Methodology for Risk Management Applied to Imja Lake in Nepal. <i>Water (Switzerland)</i> , 2017, 9, 591.	2.7	9