

Neil S Grigg

List of Publications by Year in descending order

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Version: 2024-02-01

86
papers

1,142
citations

430874

18
h-index

454955

30
g-index

88
all docs

88
docs citations

88
times ranked

1056
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated water resources management: balancing views and improving practice. <i>Water International</i> , 2008, 33, 279-292.	1.0	116
2	A Framework for an Agent-Based Model to Manage Water Resources Conflicts. <i>Water Resources Management</i> , 2013, 27, 4039-4052.	3.9	74
3	STATE-OF-THE-ART OF ESTIMATING FLOOD DAMAGE IN URBAN AREAS. <i>Journal of the American Water Resources Association</i> , 1975, 11, 379-390.	2.4	66
4	Failure Assessment Modeling to Prioritize Water Pipe Renewal: Two Case Studies. <i>Journal of Infrastructure Systems</i> , 2009, 15, 162-171.	1.8	52
5	Water-Food-Energy: Nexus and Non-Nexus Approaches for Optimal Cropping Pattern. <i>Water Resources Management</i> , 2017, 31, 4971-4980.	3.9	52
6	Dynamic Behaviour of the Water-Food-Energy Nexus: Focus on Crop Production and Consumption. <i>Irrigation and Drainage</i> , 2017, 66, 19-33.	1.7	42
7	The 2011-2012 drought in the United States: new lessons from a record event. <i>International Journal of Water Resources Development</i> , 2014, 30, 183-199.	2.0	38
8	Jakarta flooding: systems study of socio-technical forces. <i>Water International</i> , 2011, 36, 733-747.	1.0	34
9	Water-food-energy nexus index to maximize the economic water and energy productivity in an optimal cropping pattern. <i>Water International</i> , 2017, 42, 495-503.	1.0	34
10	Global water infrastructure: state of the art review. <i>International Journal of Water Resources Development</i> , 2019, 35, 181-205.	2.0	34
11	Linking drought characteristics to impacts on a spatial and temporal scale. <i>Water Policy</i> , 2014, 16, 1172-1197.	1.5	32
12	Managing Water Resources Conflicts: Modelling Behavior in a Decision Tool. <i>Water Resources Management</i> , 2015, 29, 5201-5216.	3.9	32
13	Enhancing the standardized drought vulnerability index by integrating spatiotemporal information from satellite and in situ data. <i>Journal of Hydrology</i> , 2019, 569, 265-277.	5.4	29
14	Condition Assessment of Water Distribution Pipes. <i>Journal of Infrastructure Systems</i> , 2006, 12, 147-153.	1.8	27
15	Water governance: from ideals to effective strategies. <i>Water International</i> , 2011, 36, 799-811.	1.0	25
16	Integrated Water Resource Management. , 2016, , .		23
17	Assessing structural uncertainty caused by different weighting methods on the Standardized Drought Vulnerability Index (SDVI). <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 515-533.	4.0	21
18	AN APPROXIMATE METHOD FOR SIZING DETENTION RESERVOIRS. <i>Journal of the American Water Resources Association</i> , 1978, 14, 956-965.	2.4	20

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19	Establishing a water law framework: The Colombia example. <i>Water International</i> , 2007, 32, 662-675.	1.0	20
20	Drought and Water Supply Management: Roles and Responsibilities. <i>Journal of Water Resources Planning and Management - ASCE</i> , 1993, 119, 531-541.	2.6	19
21	Drinking Water and Public Health in an Era of Aging Distribution Infrastructure. <i>Public Works Management Policy</i> , 2018, 23, 301-309.	1.2	19
22	Institutional Analysis of Infrastructure Problems: Case Study of Water Quality in Distribution Systems. <i>Journal of Management in Engineering - ASCE</i> , 2005, 21, 152-158.	4.8	18
23	Centralized and Decentralized Strategies for Dual Water Supply: Case Study. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, .	2.6	18
24	Causes of Road and Bridge Construction Claims: Analysis of Colorado Department of Transportation Projects. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2015, 7, .	1.4	17
25	Water Main Breaks: Risk Assessment and Investment Strategies. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2013, 4, .	1.6	14
26	Integrated water resources management: unified process or debate forum?. <i>International Journal of Water Resources Development</i> , 2014, 30, 409-422.	2.0	14
27	Demographics and Industry Employment of Civil Engineering Workforce. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2000, 126, 116-124.	0.9	13
28	Collaborative, Risk-Informed, Triple Bottom Line, Multi-Criteria Decision Analysis Planning Framework for Integrated Urban Water Management. <i>Water (Switzerland)</i> , 2018, 10, 1722.	2.7	13
29	Integrated Civil Engineering Curriculum: Five-Year Review. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2004, 130, 160-165.	0.9	12
30	Water Management Trade-offs between Agriculture and the Environment: A Multiobjective Approach and Application. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2014, 140, 05014005.	1.0	12
31	Governance and Management for Sustainable Water Systems. <i>Water Intelligence Online</i> , 0, 9, .	0.3	12
32	Public Works Delivery Systems in North America. <i>Public Works Management Policy</i> , 1999, 4, 41-49.	1.2	11
33	Infrastructure Report Card: Purpose and Results. <i>Journal of Infrastructure Systems</i> , 2015, 21, .	1.8	11
34	IWRM and the Nexus Approach: Versatile Concepts for Water Resources Education. <i>Journal of Contemporary Water Research and Education</i> , 2019, 166, 24-34.	0.7	10
35	Information Technology in Civil Engineering Curriculum. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2005, 131, 26-31.	0.9	9
36	Water Sector Structure, Size, and Demographics. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2007, 133, 60-66.	2.6	9

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37	Problem Archetypes as Common Ground for Water Resources Management Education. <i>Water Resources Management</i> , 2015, 29, 3535-3550.	3.9	8
38	Variable Infiltration-Capacity Model Sensitivity, Parameter Uncertainty, and Data Augmentation for the Diyala River Basin in Iraq. <i>Journal of Hydrologic Engineering - ASCE</i> , 2020, 25, 04020040.	1.9	8
39	Service levels for the four billion people with piped water on premises. <i>Water International</i> , 2018, 43, 531-547.	1.0	7
40	Large-scale water development in the United States: TVA and the California State Water Project. <i>International Journal of Water Resources Development</i> , 2023, 39, 70-88.	2.0	7
41	Delay Claims in Road Construction: Best Practices for a Standard Delay Claims Management System. <i>Journal of Legal Affairs and Dispute Resolution in Engineering and Construction</i> , 2016, 8, .	1.4	6
42	Development of a Parametric Regional Multivariate Statistical Weather Generator for Risk Assessment Studies in Areas with Limited Data Availability. <i>Climate</i> , 2020, 8, 93.	2.8	6
43	Capacity building for flood management systems: a conceptual model and case studies. <i>Water International</i> , 2010, 35, 763-778.	1.0	5
44	Data and Analytics Combat Water Main Failures. <i>Journal - American Water Works Association</i> , 2019, 111, 35-41.	0.3	5
45	President Biden's Infrastructure Plan: Does it address needs of water systems in the United States?. <i>International Journal of Water Resources Development</i> , 2022, 38, 346-350.	2.0	5
46	Institutional Analysis of Drinking Water Supply Failure: Lessons from Flint, Michigan. <i>Journal of Professional Issues in Engineering Education and Practice</i> , 2017, 143, .	0.9	4
47	Unbundling Infrastructures to Identify Attractive Public-Private Infrastructure Partnerships in the United States. <i>Journal of Infrastructure Systems</i> , 2018, 24, 02518001.	1.8	4
48	Classifying Drinking Water Systems to Improve Their Effectiveness. <i>Journal - American Water Works Association</i> , 2018, 110, 54-62.	0.3	4
49	Overcoming Obstacles to Deficit Irrigation: Colorado Case Study. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2019, 145, .	2.6	4
50	Transboundary Groundwater Cooperation among Countries of the Arabian Peninsula. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	2.6	4
51	Smart water management: can it improve accessibility and affordability of water for everyone?. <i>Water International</i> , 2020, 45, 608-620.	1.0	4
52	Misalignment of watershed and jurisdictional boundaries: the importance of scale. <i>Water Policy</i> , 2015, 17, 1079-1092.	1.5	4
53	Fifty years of water research: has it made a difference?. <i>Water International</i> , 0, , 1-12.	1.0	4
54	Review of Water Desalting Planning Guide for Water Utilities by Water Desalting Committee, American Water Works Association. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2004, 130, 424-424.	2.6	3

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55	Broad, Global, and Multidisciplinary Civil Engineering Education. Journal of Professional Issues in Engineering Education and Practice, 2014, 140, 02513002.	0.9	3
56	Civil Engineering Workforce and Education: Twenty Years of Change. Journal of Professional Issues in Engineering Education and Practice, 2018, 144, .	0.9	3
57	Alternative Water Transfer Methods: Review of Colorado Experiences. Journal of Irrigation and Drainage Engineering - ASCE, 2019, 145, .	1.0	3
58	Floods, Lawsuits, and Water Infrastructure Management. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2020, 12, 05020004.	1.4	3
59	Characterizing Influence of Hydrologic Data Correlations on Climate Change Decision Variables: Evidence from Diyala River Basin in Iraq. Journal of Hydrologic Engineering - ASCE, 2021, 26, .	1.9	3
60	Nonstationary-Probabilistic Framework to Assess the Water Resources System Vulnerability: Long-Term Robust Planning and Timing. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	2.6	3
61	Urgent problems in the transfer of water resources knowledge. Journal of Hydrology, 1981, 51, 277-281.	5.4	2
62	Distribution Systems: Has Asset Management Made a Difference?. Journal of Pipeline Systems Engineering and Practice, 2019, 10, .	1.6	2
63	Waterâ€™Health Nexus: Modeling the Pathways and Barriers to Water-Related Diseases. Water Resources Management, 2019, 33, 319-335.	3.9	2
64	Uncertainty and Legal Foreseeability in Flood Risk Management. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2020, 6, .	1.7	2
65	Missouri River Governance: Collective Action and Basin-Wide Problems. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	2.6	2
66	Providing Effective Means to Reform the National Flood Insurance Program through Risk Mapping. Journal of Sustainable Water in the Built Environment, 2020, 6, 02520001.	1.6	2
67	Benefits and Challenges Associated with the Implementation of Lean in Transportation Agencies. Transportation Research Record, 2022, 2676, 186-196.	1.9	2
68	More Papers, More Authors, More References: What Does It Mean for Water Resources Planning and Management?. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	2.6	2
69	ORDER CLASSIFICATION OF URBAN CATCHMENTS. Journal of the American Water Resources Association, 1978, 14, 63-71.	2.4	1
70	Review of Water boundaries: Demystifying land boundaries adjacent to tidal or navigable waters by Bruce S. Flushman. Journal of Water Resources Planning and Management - ASCE, 2002, 128, 465-465.	2.6	1
71	Water Infrastructure Security: Performance Metrics. , 2003, , 808.		1
72	Water and wastewater workforce statsâ€™The case for improving job data. Journal - American Water Works Association, 2009, 101, 67-78.	0.3	1

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73	Is a Stormwater Fee a Rain Tax?. Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, 2019, 11, .	1.4	1
74	US flood insurance at 50 years: is the publicâ€“private partnership working?. Water Policy, 2019, 21, 468-480.	1.5	1
75	Royce Tipton and the Inflowâ€“Outflow Method of Compact Accounting. Journal of Irrigation and Drainage Engineering - ASCE, 2019, 145, 02519001.	1.0	1
76	Colorado's Water: Science and Management, History and Politics. , 2004, , .		1
77	Economic Framework of Smart and Integrated Urban Water Systems. Smart Cities, 2022, 5, 241-250.	9.4	1
78	Role of Water in Urban Ecology. Eos, 1984, 65, 413.	0.1	0
79	Knowledge and Water: Colorado State University's Water History. , 2002, , 99.		0
80	Review of Water Resources Planning by Andrew A. Dzurik. Journal of Water Resources Planning and Management - ASCE, 2003, 129, 243-243.	2.6	0
81	Review of Water Resources Management by David Stephenson. Journal of Water Resources Planning and Management - ASCE, 2004, 130, 268-268.	2.6	0
82	Large-Scale Disasters: Vigilance for the Future. Leadership and Management in Engineering, 2012, 12, 197-198.	0.3	0
83	The business of water in a changing world: organizations, connectors and support sector. International Journal of Water Resources Development, 2016, 32, 708-720.	2.0	0
84	Water Infrastructure: Does the US Need a National Policy?. Public Works Management Policy, 2021, 26, 210-219.	1.2	0
85	One Water: How to Define, Explain, and Teach It. Journal of Water Resources Planning and Management - ASCE, 2021, 147, 02521005.	2.6	0
86	The World of Water Is Flat. Journal - American Water Works Association, 2021, 113, 76-78.	0.3	0