

David James Molden

List of Publications by Citations

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Version: 2024-04-28

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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.

60
papers

2,971
citations

23
h-index

54
g-index

85
ext. papers

3,398
ext. citations

3
avg, IF

5.14
L-index

#	Paper	IF	Citations
60	Radically rethinking agriculture for the 21st century. <i>Science</i> , 2010 , 327, 833-4	33.3	491
59	Improving agricultural water productivity: Between optimism and caution. <i>Agricultural Water Management</i> , 2010 , 97, 528-535	5.9	469
58	Remote sensing for irrigated agriculture: examples from research and possible applications. <i>Agricultural Water Management</i> , 2000 , 46, 137-155	5.9	303
57	Water Accounting to Assess Use and Productivity of Water. <i>International Journal of Water Resources Development</i> , 1999 , 15, 55-71	3	210
56	Performance Measures for Evaluation of Irrigation-Water-Delivery Systems. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 1990 , 116, 804-823	1.1	203
55	Wake Up to Realities of River Basin Closure. <i>International Journal of Water Resources Development</i> , 2008 , 24, 201-215	3	132
54	Investing in water for food, ecosystems, and livelihoods: An overview of the comprehensive assessment of water management in agriculture. <i>Agricultural Water Management</i> , 2010 , 97, 495-501	5.9	114
53	A global benchmark map of water productivity for rainfed and irrigated wheat. <i>Agricultural Water Management</i> , 2010 , 97, 1617-1627	5.9	70
52	Measuring and enhancing the value of agricultural water in irrigated river basins. <i>Irrigation Science</i> , 2007 , 25, 263-282	3.1	67
51	Reducing carbon emissions through improved irrigation and groundwater management: A case study from Iran. <i>Agricultural Water Management</i> , 2012 , 108, 52-60	5.9	66
50	Producing more food with less water in a changing world: assessment of water productivity in 10 major river basins. <i>Water International</i> , 2011 , 36, 42-62	2.4	52
49	An integrated community and ecosystem-based approach to disaster risk reduction in mountain systems. <i>Environmental Science and Policy</i> , 2019 , 94, 143-152	6.2	45
48	Indicators of Land and Water Productivity in Irrigated Agriculture. <i>International Journal of Water Resources Development</i> , 1999 , 15, 161-179	3	42
47	Water infrastructure for the Hindu Kush Himalayas. <i>International Journal of Water Resources Development</i> , 2014 , 30, 60-77	3	40
46	Improving Wheat Productivity in Pakistan: Econometric Analysis Using Panel Data from Chaj in the Upper Indus Basin. <i>Water International</i> , 2004 , 29, 189-200	2.4	38
45	Introduction to the Hindu Kush Himalaya Assessment 2019 , 1-16		35
44	Can urbanization solve inter-sector water conflicts? Insight from a case study in Hebei Province, North China Plain. <i>Water Policy</i> , 2007 , 9, 75-93	1.6	33

43	Spatial and temporal variability of water productivity in the Syr Darya Basin, central Asia. <i>Water Resources Research</i> , 2004 , 40,	5.4	33
42	WATPRO: A remote sensing based model for mapping water productivity of wheat. <i>Agricultural Water Management</i> , 2010 , 97, 1628-1636	5.9	30
41	Performance assessment, irrigation service delivery and poverty reduction: benefits of improved system management. <i>Irrigation and Drainage</i> , 2007 , 56, 307-320	1.1	30
40	The Yellow River Basin: Water Accounting, Water Accounts, and Current Issues. <i>Water International</i> , 2004 , 29, 2-10	2.4	26
39	Advancing Regional and Transboundary Cooperation in the Conflict-Prone Hindu Kush-Himalaya. <i>Mountain Research and Development</i> , 2017 , 37, 502-508	1.4	24
38	The Global Social and Economic Consequences of Mountain Cryospheric Change. <i>Frontiers in Environmental Science</i> , 2019 , 7,	4.8	22
37	Agricultural water productivity and savings: policy lessons from two diverse sites in China. <i>Water Policy</i> , 2007 , 9, 29-44	1.6	22
36	Performance assessment of irrigation water management in old lands of the Nile delta of Egypt. <i>Irrigation and Drainage Systems</i> , 2011 , 25, 215-236		20
35	Water, poverty and gender: an overview of issues and policies. <i>Water Policy</i> , 2003 , 5, 385-398	1.6	20
34	MATHEMATICAL ANALYSIS OF ARTIFICIAL RECHARGE FROM BASINS ¹ . <i>Journal of the American Water Resources Association</i> , 1989 , 25, 401-411	2.1	20
33	Increasing water productivity with improved N fertilizer management. <i>Irrigation and Drainage Systems</i> , 2008 , 22, 193-207		19
32	The Hindu Kush Himalayan Monitoring and Assessment Programme: Action to Sustain a Global Asset. <i>Mountain Research and Development</i> , 2016 , 36, 236-239	1.4	18
31	The Nile Basin: tapping the unmet agricultural potential of Nile waters. <i>Water International</i> , 2010 , 35, 623-654	2.4	18
30	A scale-based framework to understand the promises, pitfalls and paradoxes of irrigation efficiency to meet major water challenges. <i>Global Environmental Change</i> , 2020 , 65, 102182	10.1	18
29	Gender Equality as a Key Strategy for Achieving Equitable and Sustainable Development in Mountains: The Case of the Hindu Kush-Himalayas. <i>Mountain Research and Development</i> , 2014 , 34, 297-300	1.4	16
28	Governing to Grow Enough Food without Enough Water-Second Best Solutions Show the Way. <i>International Journal of Water Resources Development</i> , 2010 , 26, 249-263	3	15
27	Growing more food with less water: how can revitalizing Asia's irrigation help?. <i>Water Policy</i> , 2012 , 14, 430-446	1.6	14
26	ICIMOD's Strategy for Delivering High-quality Research and Achieving Impact for Sustainable Mountain Development. <i>Mountain Research and Development</i> , 2013 , 33, 179-183	1.4	13

25	Addressing the unanswered questions in global water policy: a methodology framework. <i>Irrigation and Drainage</i> , 2003 , 52, 21-30	1.1	13
24	The role of hydropower in South Asia's energy future. <i>International Journal of Water Resources Development</i> , 2021 , 37, 367-391	3	13
23	Scarcity of water or scarcity of management?. <i>International Journal of Water Resources Development</i> , 2020 , 36, 258-268	3	12
22	Socio-economics and hydrological impacts of melamchi intersectoral and interbasin water transfer project, Nepal. <i>Water Policy</i> , 2005 , 7, 163-180	1.6	10
21	Megatrends in Hindu Kush Himalaya: Climate Change, Urbanisation and Migration and Their Implications for Water, Energy and Food. <i>Water Resources Development and Management</i> , 2018 , 125-146 ^{0.1}		9
20	Optimal Irrigation Delivery System Design under Uncertainty. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 1992 , 118, 433-449	1.1	9
19	Downstream Implications of Climate Change in the Himalayas. <i>Water Resources Development and Management</i> , 2016 , 65-82	0.1	8
18	Water, food and development: the CGIAR Challenge Program on Water and Food. <i>Water International</i> , 2009 , 34, 4-12	2.4	6
17	Irrigation and Drainage Systems Maintenance: Needs for Research and Action. <i>Irrigation and Drainage Systems</i> , 2003 , 17, 129-140		6
16	Low Water Productivity for Rice in Bihar, India: A Critical Analysis. <i>Water (Switzerland)</i> , 2018 , 10, 1082	3	6
15	Editorial Mapping challenges for adaptive water management in Himalayan towns. <i>Water Policy</i> , 2020 , 22, 1-8	1.6	3
14	Focus Issue: Adaptation to Climate Change and Sustainable Mountain Development: Assessing Approaches and Understanding Implications for the Future. <i>Mountain Research and Development</i> , 2019 , 39, 1	1.4	3
13	Focus Issue: Mountain Forests and the SDGs. <i>Mountain Research and Development</i> , 2017 , 37, 245-245	1.4	2
12	Focus Issue: Vulnerability and Resilience to Natural Hazards and Disasters in Mountains. <i>Mountain Research and Development</i> , 2015 , 35, 103-103	1.4	2
11	Focus Issue: Water Governance in Mountains. <i>Mountain Research and Development</i> , 2013 , 33, 193-194	1.4	2
10	Focus Issue: Food Security and Sustainable Development in Mountains. <i>Mountain Research and Development</i> , 2018 , 38, 277	1.4	2
9	Focus Issue: Implications of Out- and In-Migration for Sustainable Development in Mountains. <i>Mountain Research and Development</i> , 2017 , 37, 387-387	1.4	1
8	Focus Issue: Family Farming in Mountains: Institutional and Organizational Arrangements in the Context of Globalization. <i>Mountain Research and Development</i> , 2014 , 34, 313-314	1.4	1

7	How much more water do we need?. <i>Water International</i> , 2012 , 37, 713-717	2.4	1
6	Changing Paradigm in Transboundary Landscape Management: A Retrospect from the Hindu Kush Himalaya. <i>Sustainable Development Goals Series</i> , 2022 , 639-656	0.5	1
5	The Hindu Kush Himalaya Call to Action: Sustaining Mountain Environments and Improving Livelihoods. <i>Mountain Research and Development</i> , 2020 , 40,	1.4	1
4	MountainNotes Becomes MountainAgenda:MRD's Third Peer-reviewed Section. <i>Mountain Research and Development</i> , 2013 , 33, 362-363	1.4	0
3	The Great Glacier and Snow-Dependent Rivers of Asia and Climate Change: Heading for Troubled Waters. <i>Water Resources Development and Management</i> , 2022 , 223-250	0.1	0
2	Reflecting on water challenges of the past, present and future: an intergenerational perspective. <i>Water International</i> ,1-7	2.4	
1	Conserving agrobiodiversity for sustainable food systems in the Hindu Kush Himalaya. <i>International Journal of Agricultural Sustainability</i> ,1-19	2.2	