

Bart Schultz

List of Publications by Year in descending order

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57
papers

791
citations

471061
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580395
25
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61
all docs

61
docs citations

61
times ranked

787
citing authors

#	ARTICLE	IF	CITATIONS
1	Irrigation and drainage. Main contributors to global food production. Irrigation and Drainage, 2005, 54, 263-278.	0.8	54
2	Irrigation and drainage systems research and development in the 21st century. Irrigation and Drainage, 2002, 51, 311-327.	0.8	52
3	Modernization of spate irrigated agriculture: A new approach. Irrigation and Drainage, 2011, 60, 163-173.	0.8	43
4	Where indigenous water management practices overcome failures of structures: the Wadi Laba spate irrigation system in Eritrea. Irrigation and Drainage, 2005, 54, 1-14.	0.8	38
5	Irrigation, drainage and flood protection in a rapidly changing world. Irrigation and Drainage, 2001, 50, 261-277.	0.8	37
6	Drainage under increasing and changing requirements. Irrigation and Drainage, 2007, 56, S3-S22.	0.8	30
7	Performance evaluation of AquaCrop in simulating soil water storage, yield, and water productivity of rainfed soybeans (<i>Glycine max</i> L. merr) in Ile-Ife, Nigeria. Agricultural Water Management, 2019, 213, 1130-1146.	2.4	30
8	Crop Water Productivity of Irrigated Teff in a Water Stressed Region. Water Resources Management, 2013, 27, 3115-3125.	1.9	29
9	Flood management and risk assessment in flood-prone areas: Measures and solutions. Irrigation and Drainage, 2011, 60, 229-240.	0.8	27
10	Drainage and salinity assessment in the Huinong Canal Irrigation District, Ningxia, China. Irrigation and Drainage, 2005, 54, 155-173.	0.8	26
11	Soil water storage, yield, water productivity and transpiration efficiency of soybeans (<i>Glycine max</i>) Tj ETQq1 1 0.784314 rgBT /Overlock Conservation Research, 2017, 5, 141-150.	3.0	26
12	Role of Dams in Irrigation, Drainage and Flood Control. International Journal of Water Resources Development, 2002, 18, 147-162.	1.2	24
13	WATER MANAGEMENT TO MEET PRESENT AND FUTURE FOOD DEMAND. Irrigation and Drainage, 2011, 60, 348-359.	0.8	24
14	Modelling of Response of the Growth and Yield of Soybean to Full and Deficit Irrigation by Using Aquacrop. Irrigation and Drainage, 2017, 66, 192-205.	0.8	22
15	Flood management under rapid urbanisation and industrialisation in flood-prone areas: a need for serious consideration. Irrigation and Drainage, 2006, 55, S3-S8.	0.8	20
16	OPTIMIZING SUBSURFACE DRAINAGE PRACTICES IN IRRIGATED AGRICULTURE IN THE SEMI-ARID AND ARID REGIONS: EXPERIENCES FROM EGYPT, INDIA AND PAKISTAN. Irrigation and Drainage, 2011, 60, 360-369.	0.8	20
17	Impacts of population growth and climate change on food production and irrigation and drainage needs: A worldwide view[*]. Irrigation and Drainage, 2021, 70, 981-995.	0.8	19
18	Comparison of flood management options for the Yang River Basin, Thailand. Irrigation and Drainage, 2011, 60, 526-543.	0.8	17

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19	Crop water productivity and economic evaluation of drip-irrigated soybeans (<i>Glycine max</i> L. Merr.). <i>Agriculture and Food Security</i> , 2015, 4, .	1.6	17
20	Impact of water stress on radiation interception and radiation use efficiency of Soybeans (<i>Glycine max</i>) Tj ETQq0 0 0 0 gBT /Overlock 10	0.8	15
21	Surge flow irrigation under short field conditions in Egypt. <i>Irrigation and Drainage</i> , 2004, 53, 461-475.	0.8	13
22	Modelling soil moisture and assessing its impacts on water sharing and crop yield for the Wadi Laba spate irrigation system, Eritrea. <i>Irrigation and Drainage</i> , 2008, 57, 41-56.	0.8	13
23	Role of water management for global food production and poverty alleviation. <i>Irrigation and Drainage</i> , 2009, 58, S3.	0.8	13
24	Water Delivery Performance at Metahara Large-scale Irrigation Scheme, Ethiopia. <i>Irrigation and Drainage</i> , 2015, 64, 479-490.	0.8	12
25	Food Security by Optimal Use of Water: Synthesis of the 6th and 7th World Water Forums and Developments since Then. <i>Irrigation and Drainage</i> , 2018, 67, 327-344.	0.8	12
26	Planning water management for secure food production in sub-Saharan Africa. <i>Irrigation and Drainage</i> , 2009, 58, 509-521.	0.8	11
27	Optimum irrigation and pond operation to move away from exclusively rainfed agriculture: the Boru Dodota Spate Irrigation Scheme, Ethiopia. <i>Irrigation Science</i> , 2013, 31, 1091-1102.	1.3	11
28	A Single-Season Irrigated Rice Soil Presents Higher Iron Toxicity Risk in Tropical Savannah Valley Bottoms. <i>Open Journal of Soil Science</i> , 2013, 03, 314-322.	0.3	11
29	Application of the AquaCrop model in decision support for optimization of nitrogen fertilizer and water productivity of soybeans. <i>Information Processing in Agriculture</i> , 2021, 8, 419-436.	2.9	10
30	A simple start with far-reaching consequences. <i>Irrigation and Drainage</i> , 2003, 52, 51-63.	0.8	9
31	Integration of drainage, water quality and flood management in rural, urban and lowland areas. <i>Irrigation and Drainage</i> , 2007, 56, S161-S177.	0.8	9
32	Land and water management of tidal lowlands: Experiences in Telang and Saleh, South Sumatra. <i>Irrigation and Drainage</i> , 2010, 59, 317-335.	0.8	9
33	Hydraulic performance evaluation of the Wadi Laba spate irrigation system in Eritrea. <i>Irrigation and Drainage</i> , 2005, 54, 389-406.	0.8	8
34	Salinity impact assessment on crop yield for Wadi Laba spate irrigation system in Eritrea. <i>Agricultural Water Management</i> , 2006, 85, 27-37.	2.4	8
35	Water management and flood protection of the polders in the Netherlands under the impact of climate change and man-induced changes in land use. <i>Journal of Water and Land Development</i> , 2008, 12, .	0.9	8
36	Reservoir Operation in View of Effective Utilization of Limited Water in Semi-Arid Areas The Case of Gumsalasa Earthen Dam Irrigation Scheme in Tigray, Ethiopia. <i>Irrigation and Drainage</i> , 2016, 65, 294-307.	0.8	8

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37	Water security. , 2008, , .		7
38	GLOBAL INVENTORY OF CLOSED—OFF TIDAL BASINS AND DEVELOPMENTS AFTER THE CLOSURE. Irrigation and Drainage, 2013, 62, 107-123.	0.8	6
39	Assessment of the process, nature and impact of rehabilitation for development of a modernization strategy for national irrigation systems in the Philippines. Irrigation and Drainage, 2015, 64, 464-478.	0.8	4
40	Contribution of Water Management and Flood Protection to Food Security and Sustainable Development of Coastal and Deltaic Areas. Irrigation and Drainage, 2018, 67, 123-135.	0.8	4
41	Modernization of National Irrigation Systems in the Philippines: Linking Design, Operation and Water Supply. Irrigation and Drainage, 2019, 68, 59-66.	0.8	4
42	EVALUATION OF HYDRAULIC PERFORMANCE OF DOWNSTREAM—CONTROLLED MAIRA—PHLC IRRIGATION CANALS UNDER CROP—BASED IRRIGATION OPERATIONS. Irrigation and Drainage, 2012, 61, 20-30.	0.8	3
43	Comparative Non-linear Regression - Case of Infiltration Rate Increase from Upstream in Valley. International Agrophysics, 2014, 28, 303-310.	0.7	3
44	Learning from Experiences of Ancient Subak Schemes for Participatory Irrigation System Management in Bali. Irrigation and Drainage, 2017, 66, 567-576.	0.8	3
45	Impacts of Man—Induced Changes in Land Use and Climate Change on Living in Coastal and Deltaic Areas. Irrigation and Drainage, 2018, 67, 6-18.	0.8	3
46	Impacts of dairy farming systems on water quantity and quality in Brazil, Ethiopia, Nepal, New Zealand and the USA[*]. Irrigation and Drainage, 2020, 69, 944-955.	0.8	3
47	Integrated water resource management to address the growing demand for food and water in South Asia*. Irrigation and Drainage, 2021, 70, 924-935.	0.8	3
48	Diagnostic Assessment Approach for Formulating a Modernization Strategy for Small-Scale National Irrigation Systems in the Philippines. Irrigation and Drainage, 2017, 66, 542-555.	0.8	2
49	The story of the Dutch boy who prevented a flooding disaster: origin and variations on the theme. Water History, 2019, 11, 207-231.	0.5	2
50	An assessment of farmers' perspective in support of the modernization of national irrigation systems in the Philippines[*]. Irrigation and Drainage, 2021, 70, 207-223.	0.8	2
51	Assessment of spatial and temporal variability in soil moisture using multi-length TDR probes to calibrate Aquaflex sensors. Irrigation Science, 2021, 39, 703-713.	1.3	2
52	MODELLING OF AN IRRIGATION SCHEME WITH SEDIMENT-LADEN WATER FOR IMPROVED WATER MANAGEMENT: A CASE STUDY OF SUNSARI MORANG IRRIGATION SCHEME, NEPAL. Irrigation and Drainage, 2013, 62, 161-169.	0.8	1
53	DESIGN OF NON-WIDE CANALS FOR SEDIMENT TRANSPORT. CASE STUDY OF SUNSARI MORANG IRRIGATION SCHEME, NEPAL. Irrigation and Drainage, 2014, 63, 584-589.	0.8	1
54	Evaluation Of The Procedure To Design Irrigation Canals With Sediment-Laden Water By The Rational Method. Irrigation and Drainage, 2016, 65, 589-600.	0.8	1

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55	A model for optimisation of water management in rice polders in Thailand. Irrigation and Drainage, 2005, 54, 527-541.	0.8	0
56	Effect of deficit irrigation on yield and yield components of sunflower (<i>Helianthus annuus</i> L.) on Gezira clay soil, Sudan. African Journal of Agricultural Research Vol Pp, 2015, 10, 2826-2834.	0.2	0
57	Assessing effective pasture root depth for irrigation scheduling by water balance and soil moisture monitoring. Irrigation and Drainage, 0, , .	0.8	0