

Bart Schultz

List of Publications by Year in descending order

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57
papers

791
citations

471061

17
h-index

580395

25
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61
all docs

61
docs citations

61
times ranked

787
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	An assessment of farmers' perspective in support of the modernization of national irrigation systems in the Philippines. <i>Irrigation and Drainage</i> , 2021, 70, 207-223.	0.8	2
3	Integrated water resource management to address the growing demand for food and water in South Asia. <i>Irrigation and Drainage</i> , 2021, 70, 924-935.	0.8	3
4	Impacts of population growth and climate change on food production and irrigation and drainage needs: A world-wide view. <i>Irrigation and Drainage</i> , 2021, 70, 981-995.	0.8	19
5	Assessment of spatial and temporal variability in soil moisture using multi-length TDR probes to calibrate Aquaflex sensors. <i>Irrigation Science</i> , 2021, 39, 703-713.	1.3	2
6	Impacts of dairy farming systems on water quantity and quality in Brazil, Ethiopia, Nepal, New Zealand and the USA. <i>Irrigation and Drainage</i> , 2020, 69, 944-955.	0.8	3
7	Modernization of National Irrigation Systems in the Philippines: Linking Design, Operation and Water Supply. <i>Irrigation and Drainage</i> , 2019, 68, 59-66.	0.8	4
8	Performance evaluation of AquaCrop in simulating soil water storage, yield, and water productivity of rainfed soybeans (<i>Glycine max L. merr</i>) in Ile-Ife, Nigeria. <i>Agricultural Water Management</i> , 2019, 213, 1130-1146.	2.4	30
9	The story of the Dutch boy who prevented a flooding disaster: origin and variations on the theme. <i>Water History</i> , 2019, 11, 207-231.	0.5	2
10	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
11	Contribution of Water Management and Flood Protection to Food Security and Sustainable Development of Coastal and Deltaic Areas. <i>Irrigation and Drainage</i> , 2018, 67, 123-135.	0.8	4
12	Impacts of Man-Induced Changes in Land Use and Climate Change on Living in Coastal and Deltaic Areas. <i>Irrigation and Drainage</i> , 2018, 67, 6-18.	0.8	3
13	Modelling of Response of the Growth and Yield of Soybean to Full and Deficit Irrigation by Using Aquacrop. <i>Irrigation and Drainage</i> , 2017, 66, 192-205.	0.8	22
14	Soil water storage, yield, water productivity and transpiration efficiency of soybeans (<i>Glycine max</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Conservation Research, 2017, 5, 141-150.	3.0	26
15	Learning from Experiences of Ancient Subak Schemes for Participatory Irrigation System Management in Bali. <i>Irrigation and Drainage</i> , 2017, 66, 567-576.	0.8	3
16	Diagnostic Assessment Approach for Formulating a Modernization Strategy for Small-Scale National Irrigation Systems in the Philippines. <i>Irrigation and Drainage</i> , 2017, 66, 542-555.	0.8	2
17	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
18	Evaluation Of The Procedure To Design Irrigation Canals With Sediment-Laden Water By The Rational Method. <i>Irrigation and Drainage</i> , 2016, 65, 589-600.	0.8	1

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19	Impact of water stress on radiation interception and radiation use efficiency of Soybeans (Glycine max) Tj ETQq1 1 0.784314.rgBT /Over	0.8	15
20	Water Delivery Performance at Metahara Large-scale Irrigation Scheme, Ethiopia. Irrigation and Drainage, 2015, 64, 479-490.	0.8	12
21	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
22	Effect of deficit irrigation on yield and yield components of sunflower (Helianthus annuus L.) on Gezira clay soil, Sudan. African Journal of Agricultural Research Vol Pp, 2015, 10, 2826-2834.	0.2	0
23	Crop water productivity and economic evaluation of drip-irrigated soybeans (Glycine max L. Merr.). Agriculture and Food Security, 2015, 4, .	1.6	17
24	Comparative Non-linear Regression - Case of Infiltration Rate Increase from Upstream in Valley. International Agrophysics, 2014, 28, 303-310.	0.7	3
25	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
26	Optimum irrigation and pond operation to move away from exclusively rainfed agriculture: the Boru Dodota Spate Irrigation Scheme, Ethiopia. Irrigation Science, 2013, 31, 1091-1102.	1.3	11
27	Crop Water Productivity of Irrigated Teff in a Water Stressed Region. Water Resources Management, 2013, 27, 3115-3125.	1.9	29
28	GLOBAL INVENTORY OF CLOSED-OFF TIDAL BASINS AND DEVELOPMENTS AFTER THE CLOSURE. Irrigation and Drainage, 2013, 62, 107-123.	0.8	6
29	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
30	A Single-Season Irrigated Rice Soil Presents Higher Iron Toxicity Risk in Tropical Savannah Valley Bottoms. Open Journal of Soil Science, 2013, 03, 314-322.	0.3	11
31	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
32	WATER MANAGEMENT TO MEET PRESENT AND FUTURE FOOD DEMAND. Irrigation and Drainage, 2011, 60, 348-359.	0.8	24
33	Flood management and risk assessment in flood-prone areas: Measures and solutions. Irrigation and Drainage, 2011, 60, 229-240.	0.8	27
34	Modernization of spate irrigated agriculture: A new approach. Irrigation and Drainage, 2011, 60, 163-173.	0.8	43
35	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
36	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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37	Land and water management of tidal lowlands: Experiences in Telang and Saleh, South Sumatra. Irrigation and Drainage, 2010, 59, 317-335.	0.8	9
38	Planning water management for secure food production in sub-Saharan Africa. Irrigation and Drainage, 2009, 58, 509-521.	0.8	11
39	Role of water management for global food production and poverty alleviation. Irrigation and Drainage, 2009, 58, S3.	0.8	13
40	Modelling soil moisture and assessing its impacts on water sharing and crop yield for the Wadi Laba spate irrigation system, Eritrea. Irrigation and Drainage, 2008, 57, 41-56.	0.8	13
41	Water management and flood protection of the polders in the Netherlands under the impact of climate change and man-induced changes in land use. Journal of Water and Land Development, 2008, 12, .	0.9	8
42	Water security. , 2008, , .		7
43	Integration of drainage, water quality and flood management in rural, urban and lowland areas. Irrigation and Drainage, 2007, 56, S161-S177.	0.8	9
44	Drainage under increasing and changing requirements. Irrigation and Drainage, 2007, 56, S3-S22.	0.8	30
45	Salinity impact assessment on crop yield for Wadi Laba spate irrigation system in Eritrea. Agricultural Water Management, 2006, 85, 27-37.	2.4	8
46	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
47	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
48	Drainage and salinity assessment in the Huinong Canal Irrigation District, Ningxia, China. Irrigation and Drainage, 2005, 54, 155-173.	0.8	26
49	Irrigation and drainage. Main contributors to global food production. Irrigation and Drainage, 2005, 54, 263-278.	0.8	54
50	Hydraulic performance evaluation of the Wadi Laba spate irrigation system in Eritrea. Irrigation and Drainage, 2005, 54, 389-406.	0.8	8
51	A model for optimisation of water management in rice polders in Thailand. Irrigation and Drainage, 2005, 54, 527-541.	0.8	0
52	Surge flow irrigation under short field conditions in Egypt. Irrigation and Drainage, 2004, 53, 461-475.	0.8	13
53	A simple start with far-reaching consequences. Irrigation and Drainage, 2003, 52, 51-63.	0.8	9
54	Role of Dams in Irrigation, Drainage and Flood Control. International Journal of Water Resources Development, 2002, 18, 147-162.	1.2	24

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55	Irrigation and drainage systems research and development in the 21st century. Irrigation and Drainage, 2002, 51, 311-327.	0.8	52
56	Irrigation, drainage and flood protection in a rapidly changing world. Irrigation and Drainage, 2001, 50, 261-277.	0.8	37
57	Assessing effective pasture root depth for irrigation scheduling by water balance and soil moisture monitoring. Irrigation and Drainage, 0, , .	0.8	0