Tiago B Ramos

List of Publications by Year
in descending order

52	1,542	394421	315739
papers	citations	19	38
		h-index	g-index

67	67	67	1413
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Coping with salinity in irrigated agriculture: Crop evapotranspiration and water management issues. Agricultural Water Management, 2020, 227, 105832.	5.6	185
2	Two-dimensional modeling of water and nitrogen fate from sweet sorghum irrigated with fresh and blended saline waters. Agricultural Water Management, 2012, 111, 87-104.	5.6	162
3	Field evaluation of a multicomponent solute transport model in soils irrigated with saline waters. Journal of Hydrology, 2011, 407, 129-144.	5.4	145
4	Assessing the effects of water table depth on water use, soil salinity and wheat yield: Searching for a target depth for irrigated areas in the upper Yellow River basin. Agricultural Water Management, 2013, 125, 46-60.	5.6	140
5	Multicomponent solute transport in soil lysimeters irrigated with waters of different quality. Water Resources Research, 2006, 42, .	4.2	74
6	Estimation of Soil Hydraulic Properties from Numerical Inversion of Tension Disk Infiltrometer Data. Vadose Zone Journal, 2006, 5, 684-696.	2.2	65
7	Sediment and nutrient dynamics during storm events in the Enxoé temporary river, southern Portugal. Catena, 2015, 127, 177-190.	5.0	54
8	Modelling soil water dynamics of full and deficit drip irrigated maize cultivated under a rain shelter. Biosystems Engineering, 2015, 132, 1-18.	4.3	47
9	Modelling soil water and maize growth dynamics influenced by shallow groundwater conditions in the Sorraia Valley region, Portugal. Agricultural Water Management, 2017, 185, 27-42.	5.6	46
10	Groundwater Recharge and Capillary Rise in Irrigated Areas of the Upper Yellow River Basin Assessed by an Agro‐Hydrological Model. Irrigation and Drainage, 2015, 64, 587-599.	1.7	40
11	Soil salinity assessment using vegetation indices derived from Sentinel-2 multispectral data. application to Lezíria Grande, Portugal. Agricultural Water Management, 2020, 241, 106387.	5.6	35
12	Soil salinization in very high-density olive orchards grown in southern Portugal: Current risks and possible trends. Agricultural Water Management, 2019, 217, 265-281.	5.6	33
13	The dual Kc approach to assess maize and sweet sorghum transpiration and soil evaporation under saline conditions: Application of the SIMDualKc model. Agricultural Water Management, 2016, 177, 77-94.	5.6	32
14	Modeling and assessing the function and sustainability of natural patches in salt-affected agro-ecosystems: Application to tamarisk (Tamarix chinensis Lour.) in Hetao, upper Yellow River basin. Journal of Hydrology, 2017, 552, 490-504.	5.4	32
15	IrrigaSys: A web-based irrigation decision support system based on open source data and technology. Computers and Electronics in Agriculture, 2020, 178, 105822.	7.7	31
16	The INFOSOLO database as a first step towards the development of a soil information system in Portugal. Catena, 2017, 158, 390-412.	5.0	30
17	Assessing the adequacy of SWAT model to simulate postfire effects on the watershed hydrological regime and water quality. Land Degradation and Development, 2020, 31, 619-631.	3.9	27
18	Integrated modelling for water quality management in a eutrophic reservoir in south-eastern Portugal. Environmental Earth Sciences, 2018, 77, 1.	2.7	21

#	Article	IF	Citations
19	Using a Hydrologic Model to Assess the Performance of Regional Climate Models in a Semi-Arid Watershed in Brazil. Water (Switzerland), 2019, 11, 170.	2.7	21
20	Development of class pedotransfer functions for integrating water retention properties into Portuguese soil maps. Soil Research, 2013, 51, 262.	1.1	20
21	Development of ternary diagrams for estimating water retention properties using geostatistical approaches. Geoderma, 2014, 230-231, 229-242.	5.1	19
22	Using a Hierarchical Approach to Calibrate SWAT and Predict the Semi-Arid Hydrologic Regime of Northeastern Brazil. Water (Switzerland), 2018, 10, 1137.	2.7	19
23	Water Use and Soil Water Balance of Mediterranean Vineyards under Rainfed and Drip Irrigation Management: Evapotranspiration Partition and Soil Management Modelling for Resource Conservation. Water (Switzerland), 2022, 14, 554.	2.7	19
24	Numerical Simulation of Soil Water Dynamics Under Stationary Sprinkler Irrigation With Mohidâ€Land. Irrigation and Drainage, 2016, 65, 98-111.	1.7	16
25	Modeling Soil Water Dynamics and Pasture Growth in the Montado Ecosystem Using MOHID Land. Water (Switzerland), 2018, 10, 489.	2.7	16
26	Potential Post-Fire Impacts on a Water Supply Reservoir: An Integrated Watershed-Reservoir Approach. Frontiers in Environmental Science, 2021, 9, .	3.3	16
27	Influence of reservoir management on Guadiana streamflow regime. Journal of Hydrology: Regional Studies, 2019, 25, 100628.	2.4	15
28	Estimating and partitioning maize evapotranspiration as affected by salinity using weighing lysimeters and the SIMDualKc model. Agricultural Water Management, 2022, 261, 107362.	5.6	15
29	Sub-optimal model-based deficit irrigation scheduling with realistic weather forecasts. Irrigation Science, 2018, 36, 349-362.	2.8	13
30	Effect of sodium and nitrogen on yield function of irrigated maize in southern Portugal. Agricultural Water Management, 2009, 96, 585-594.	5.6	12
31	Effect of Combined Use of Brackish Water and Nitrogen Fertilizer on Biomass and Sugar Yield of Sweet Sorghum. Pedosphere, 2012, 22, 785-794.	4.0	12
32	Modeling flood dynamics in a temporary river draining to an eutrophic reservoir in southeast Portugal. Environmental Earth Sciences, 2017, 76, 1.	2.7	12
33	Water Quantity and Quality under Future Climate and Societal Scenarios: A Basin-Wide Approach Applied to the Sorraia River, Portugal. Water (Switzerland), 2018, 10, 1186.	2.7	12
34	Assessing the Impact of LAI Data Assimilation on Simulations of the Soil Water Balance and Maize Development Using MOHID-Land. Water (Switzerland), 2018, 10, 1367.	2.7	12
35	Spatial modelling of soil hydraulic properties integrating different supports. Journal of Hydrology, 2014, 511, 1-9.	5.4	11
36	An Integrated Analysis of the Eutrophication Process in the EnxoÃ© Reservoir within the DPSIR Framework. Water (Switzerland), 2018, 10, 1576.	2.7	9

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37	Assessing Water and Nutrient Long-Term Dynamics and Loads in the Enxoé Temporary River Basin (Southeast Portugal). Water (Switzerland), 2019, 11, 354.	2.7	9
38	Crop water requirements and crop coefficients for jute mallow (Corchorus olitorius L.) using the SIMDualKc model and assessing irrigation strategies for the Syrian Akkar region. Agricultural Water Management, 2021, 255, 107038.	5.6	8
39	ESTIMATING SOIL HYDRAULIC PROPERTIES FROM LIMITED DATA TO IMPROVE IRRIGATION MANAGEMENT IN AGRICULTURAL SOILS OF SANTIAGO ISLAND, CAPE VERDE. Irrigation and Drainage, 2014, 63, 405-415.	1.7	7
40	Temporal variability of soil organic carbon transport in the Enxoé agricultural watershed. Environmental Earth Sciences, 2015, 73, 6663-6676.	2.7	7
41	A salinização do solo em Portugal. Causas, extensão e soluções. Revista De Ciências Agrárias, 2015, 38, 574-586.	0.2	7
42	Sensitivity Analysis of the MOHID-Land Hydrological Model: A Case Study of the Ulla River Basin. Water (Switzerland), 2020, 12, 3258.	2.7	6
43	Modeling Zucchini squash irrigation requirements in the Syrian Akkar region using the FAO56 dual-Kc approach. Agricultural Water Management, 2020, 229, 105927.	5.6	5
44	An Integrated Modelling Approach to Study Future Water Demand Vulnerability in the Montargil Reservoir Basin, Portugal. Sustainability, 2019, 11, 206.	3.2	4
45	Pedotransfer functions for estimating soil water retention properties of northern China agricultural soils: Development and needs*. Irrigation and Drainage, 2021, 70, 593-608.	1.7	4
46	Evaluation of the trophic status in a Mediterranean reservoir under climate change: An integrated modelling approach. Journal of Water and Climate Change, 2021, 12, 817-832.	2.9	4
47	Searching for Sustainable-Irrigation Issues of Clementine Orchards in the Syrian Akkar Plain: Effects of Irrigation Method and Canopy Size on Crop Coefficients, Transpiration, and Water Use with SIMDualKc Model. Water (Switzerland), 2022, 14, 2052.	2.7	4
48	The Use of Multicomponent Solute Transport Models in Environmental Analyses. , 2014, , 377-402.		2
49	Exploring the Use of Vegetation Indices for Validating Crop Transpiration Fluxes Computed with the MOHID-Land Model. Application to Vineyard. Agronomy, 2021, 11, 1228.	3.0	2
50	Modeling Streamflow at the Iberian Peninsula Scale Using MOHID-Land: Challenges from a Coarse Scale Approach. Water (Switzerland), 2022, 14, 1013.	2.7	2
51	Modelação da rega deficitária em vinha com o MOHID-Land. , 2019, , .		1
52	O sistema IrrigaSys de apoio à gestão da rega no vale do Sorraia. , 2019, , .		0