Hatem Belhouchette

List of Publications by Citations

40 papers	772 citations	16 h-index	27 g-index
43 ext. papers	924 ext. citations	4 avg, IF	3.96 L-index

#	Paper	IF	Citations
40	A methodology for enhanced flexibility of integrated assessment in agriculture. *Environmental Science and Policy*, **2009**, 12, 546-561	6.2	80
39	Mapping Paddy Rice Using Sentinel-1 SAR Time Series in Camargue, France. *Remote Sensing*, **2019**, 11, 887	5	62
38	Using a cropping system model at regional scale: Low-data approaches for crop management information and model calibration. *Agriculture, Ecosystems and Environment*, **2011**, 142, 85-94	5.7	62
37	A generic bio-economic farm model for environmental and economic assessment of agricultural systems. *Environmental Management*, **2010**, 46, 862-77	3.1	47
36	Assessing the impact of the Nitrate Directive on farming systems using a bio-economic modelling chain. *Agricultural Systems*, **2011**, 104, 135-145	6.1	44
35	Sentinel-1 Data for Winter Wheat Phenology Monitoring and Mapping. *Remote Sensing*, **2019**, 11, 2228	5	41
34	Methodology to translate policy assessment problems into scenarios: the example of the SEAMLESS integrated framework. *Environmental Science and Policy*, **2009**, 12, 619-630	6.2	40
33	Mapping Irrigated Areas Using Sentinel-1 Time Series in Catalonia, Spain. *Remote Sensing*, **2019**, 11, 1836	5	38
32	Defining assessment projects and scenarios for policy support: Use of ontology in Integrated Assessment and Modelling. *Environmental Modelling and Software*, **2009**, 24, 1491-1500	5.2	35
31	Evaluation of the OILCROP-SUN model for sunflower hybrids under different agro-meteorological conditions of Punjab-Pakistan. *Field Crops Research*, **2016**, 188, 17-30	5.5	33
30	Correlation studies on nitrogen for sunflower crop across the agroclimatic variability. *Environmental Science and Pollution Research*, **2016**, 23, 3658-70	5.1	32
29	A Novel Approach for Mapping Wheat Areas Using High Resolution Sentinel-2 Images. *Sensors*, **2018**, 18,	3.8	31
28	Modelling Climate Change Impacts and Adaptation Strategies for Sunflower in Pakistan. *Outlook on Agriculture*, **2016**, 45, 39-45	2.9	30
27	Agricultural household effects of fertilizer price changes for smallholder farmers in central Malawi. *Agricultural Systems*, **2017**, 154, 168-178	6.1	27
26	Sustainability of irrigated farming systems in a Tunisian region: A recursive stochastic programming analysis. *Computers and Electronics in Agriculture*, **2012**, 86, 100-110	6.5	20
25	A Comparison of Two Soil Moisture Products S2MP and Copernicus-SSM Over Southern France. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2019**, 12, 3366-3375	4.7	17
24	A Component-Based Framework for Simulating Agricultural Production and Externalities **2010**, 63-108		16

#	Title		
23	Near Real-Time Irrigation Detection at Plot Scale Using Sentinel-1 Data. *Remote Sensing*, **2020**, 12, 1456	5	15
22	Assessing the diversity of smallholder rice farms production strategies in Sierra Leone. *Njas - Wageningen Journal of Life Sciences*, **2016**, 76, 7-19	7	13
21	Protocol to support model selection and evaluation in a modular crop modelling framework: An application for simulating crop response to nitrogen supply. *Computers and Electronics in Agriculture*, **2012**, 86, 43-54	6.5	13
20	Assessing consumption-production-resources nexus decisions for rice-focused agricultural households in Sierra Leone. *Land Use Policy*, **2017**, 67, 597-607	5.6	8
19	Impact assessment of climate change on farming systems in the South Mediterranean area: a Tunisian case study. *Regional Environmental Change*, **2018**, 18, 637-650	4.3	7
18	Irrigation Events Detection over Intensively Irrigated Grassland Plots Using Sentinel-1 Data. *Remote Sensing*, **2020**, 12, 4058	5	6
17	Participative modelling to help collective decision-making in water allocation and nitrogen pollution: application to the case of the Aveyron-Lere Basin. *International Journal of Agricultural Resources, Governance and Ecology*, **2006**, 5, 247	0.2	6
16	Performance of wheat-based cropping systems and economic risk of low relative productivity assessment in a sub-dry Mediterranean environment. *European Journal of Agronomy*, **2020**, 113, 125968	5	6
15	On farm analysis of the effect of the preceding crop on N uptake and grain yield of durum wheat (Triticum durum Desf.) in Mediterranean conditions. *Archives of Agronomy and Soil Science*, **2019**, 65, 596-611	2	5
14	Integrating Spatial Soil Organization Data with a Regional Agricultural Management Simulation Model: A Case Study in Northern Tunisia. *Transactions of the ASABE*, **2008**, 51, 1099-1109	0.9	5
13	Assessing the resilience of farming systems on the Saïs plain, Morocco. *Regional Environmental Change*, **2021**, 21, 1	4.3	5
12	Agricultural Activity concept for simulating strategic agricultural production decisions: Case study of weed resistance to herbicide treatments in South-West France. *Computers and Electronics in Agriculture*, **2018**, 155, 167-179	6.5	5
11	Trade-Offs between Sustainability Indicators in Response to the Production Choices of Different Farm Household Types in Drylands. *Agronomy*, **2020**, 10, 998	3.6	4
10	An Operational Framework for Mapping Irrigated Areas at Plot Scale Using Sentinel-1 and Sentinel-2 Data. *Remote Sensing*, **2021**, 13, 2584	5	4
9	Implementing organic farming in vineyards. *Agroecology and Sustainable Food Systems*, **2020**, 44, 164-187		4
8	Dynamic Optimisation Problems: Different Resolution Methods Regarding Agriculture and Natural Resource Economics **2011**, 29-57		2
7	AN OPTIMAL PRICE FOR SUSTAINABLE IRRIGATED AGRICULTURE IN CENTRAL-EASTERN TUNISIA. *New Medit*, **2019**, 18, 3-14	0.8	2
6	Hierarchical Patch Dynamics Perspective in Farming System Design. *Agronomy*, **2019**, 9, 604	3.6	2

5	Using expert knowledge data to validate crop models on local situation data. *Archives of Agronomy and Soil Science*, **2016**, 62, 217-234	2	1
4	SILAGE MAIZE GROWTH SIMULATION USING PILOTE AND CROPSYST MODEL. *Irrigation and Drainage*, **2013**, 62, 84-96	1.1	1
3	Evaluating Integrated Assessment Tools for Policy Support **2010**, 237-256		1
2	Productivité et efficience des systèmes agroforestiers à base d'oliviers au Maroc : cas de Moulay Driss Zerhoun. *Cahiers Agricultures*, **2021**, 30, 2	0.9	1
1	A Bio-Economic Model for Improving Irrigated Durum Wheat Performance and Regional Profits under Mediterranean Conditions. *Agriculture (Switzerland)*, **2022**, 12, 618	3	