

# Manuel Pulido-Velazquez

## List of Publications by Year in Descending Order

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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.

82

papers

3,280

citations

28

h-index

56

g-index

96

ext. papers

3,677

ext. citations

5.1

avg, IF

5.49

L-index

#	Paper	IF	Citations
82	A Top-Down Meets Bottom-Up Approach for Climate Change Adaptation in Water Resource Systems. <i>Springer Climate</i> , <b>2022</b> , 149-157	0.3	
81	Impact of a transformation from flood to drip irrigation on groundwater recharge and nitrogen leaching under variable climatic conditions.. <i>Science of the Total Environment</i> , <b>2022</b> , 153805	10.2	2
80	Influence of crop-water production functions on the expected performance of water pricing policies in irrigated agriculture. <i>Agricultural Water Management</i> , <b>2022</b> , 259, 107248	5.9	3
79	Societal local and regional resiliency spurred by contextualized climate services: The role of culture in co-production. <i>Climate Services</i> , <b>2022</b> , 26, 100300	3.8	1
78	Performance assessment of Bayesian Causal Modelling for runoff temporal behaviour through a novel stability framework. <i>Journal of Hydrology</i> , <b>2022</b> , 127832	6	0
77	Structuring Climate Service Co-Creation Using a Business Model Approach. <i>Earth's Future</i> , <b>2021</b> , 9, e2021EF002081	1.5	0
76	Transitioning out of Open Access: A Closer Look at Institutions for Management of Groundwater Rights in France, California, and Spain. <i>Water Resources Research</i> , <b>2021</b> , 57, e2020WR028951	5.4	2
75	From Flood to Drip Irrigation Under Climate Change: Impacts on Evapotranspiration and Groundwater Recharge in the Mediterranean Region of Valencia (Spain). <i>Earth's Future</i> , <b>2021</b> , 9, e2020EF001859	7.9	6
74	Analysis of spatio-temporal dependence of inflow time series through Bayesian causal modelling. <i>Journal of Hydrology</i> , <b>2021</b> , 597, 125722	6	1
73	Hydrological Modeling of the Effect of the Transition From Flood to Drip Irrigation on Groundwater Recharge Using Multi-Objective Calibration. <i>Water Resources Research</i> , <b>2021</b> , 57, e2021WR029677	5.4	3
72	A method of assessing user capacities for effective climate services. <i>Climate Services</i> , <b>2020</b> , 19, 100180	3.8	4
71	Development of Climate Impact Response Functions for highly regulated water resource systems. <i>Journal of Hydrology</i> , <b>2020</b> , 590, 125251	6	3
70	Fuzzy Postprocessing to Advance the Quality of Continental Seasonal Hydrological Forecasts for River Basin Management. <i>Journal of Hydrometeorology</i> , <b>2020</b> , 21, 2375-2389	3.7	5
69	Inferring efficient operating rules in multireservoir water resource systems: A review. <i>Wiley Interdisciplinary Reviews: Water</i> , <b>2020</b> , 7, e1400	5.7	9
68	System Dynamics Modeling for Supporting Drought-Oriented Management of the Jucar River System, Spain. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 1407	3	10
67	Response of residential water demand to dynamic pricing: Evidence from an online experiment. <i>Water Resources and Economics</i> , <b>2020</b> , 32, 100169	2	1
66	Water Quality Sustainability Evaluation under Uncertainty: A Multi-Scenario Analysis Based on Bayesian Networks. <i>Sustainability</i> , <b>2019</b> , 11, 4764	3.6	9

65	A Bayesian Networks approach for the assessment of climate change impacts on nutrients loading. <i>Environmental Science and Policy</i> , <b>2019</b> , 100, 21-36	6.2	19
64	Adaptaci3n de la agricultura a escenarios de cambio global. Aplicaci3n de m3odos participativos en la cuenca del r3o J3car (Espa3a). <i>Economia Agraria Y Recursos Naturales</i> , <b>2019</b> , 18, 29	0.9	5
63	Determinants of the price response to residential water tariffs: Meta-analysis and beyond. <i>Environmental Modelling and Software</i> , <b>2018</b> , 101, 236-248	5.2	37
62	Design and assessment of an efficient and equitable dynamic urban water tariff. Application to the city of Valencia, Spain. <i>Environmental Modelling and Software</i> , <b>2018</b> , 101, 137-145	5.2	20
61	Assessment of Smart-Meter-Enabled Dynamic Pricing at Utility and River Basin Scale. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2018</b> , 144, 04018019	2.8	18
60	Developing a water-energy-GHG emissions modeling framework: Insights from an application to California's water system. <i>Environmental Modelling and Software</i> , <b>2018</b> , 109, 54-65	5.2	27
59	Saving Energy From Urban Water Demand Management. <i>Water Resources Research</i> , <b>2018</b> , 54, 4265-4276	5.4	12
58	Automatic design of basin-specific drought indexes for highly regulated water systems. <i>Hydrology and Earth System Sciences</i> , <b>2018</b> , 22, 2409-2424	5.5	12
57	Combining literature-based and data-driven fuzzy models to predict brown trout ( <i>Salmo trutta</i> L.) spawning habitat degradation induced by climate change. <i>Ecological Modelling</i> , <b>2018</b> , 386, 98-114	3	8
56	Economic Value of Climate Change Adaptation Strategies for Water Management in Spain's Jucar Basin. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2017</b> , 143, 04017005	2.8	39
55	Improving operating policies of large-scale surface-groundwater systems through stochastic programming. <i>Water Resources Research</i> , <b>2017</b> , 53, 1407-1423	5.4	16
54	Economic risk assessment of drought impacts on irrigated agriculture. <i>Journal of Hydrology</i> , <b>2017</b> , 550, 580-589	6	25
53	Assessing the effectiveness of Multi-Sector Partnerships to manage droughts: The case of the Jucar river basin. <i>Earth's Future</i> , <b>2017</b> , 5, 750-770	7.9	17
52	Combined use of relative drought indices to analyze climate change impact on meteorological and hydrological droughts in a Mediterranean basin. <i>Journal of Hydrology</i> , <b>2017</b> , 554, 292-305	6	52
51	Comparison of Water Management Institutions and Approaches in the United States and Europe: What Can We Learn From Each Other? <b>2017</b> , 423-441		6
50	Integrating Historical Operating Decisions and Expert Criteria into a DSS for the Management of a Multireservoir System. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2017</b> , 143, 04016069	2.8	11
49	Cambio clim3tico y planificaci3n hidrol3gica: ¿es adecuado asumir un porcentaje f3jico de reducci3n de aportaciones para toda la demarcaci3n?. <i>Ingenier3a Del Agua</i> , <b>2017</b> , 21, 35	0.7	15
48	Sharing the cost of river basin adaptation portfolios to climate change: Insights from social justice and cooperative game theory. <i>Water Resources Research</i> , <b>2016</b> , 52, 7945-7962	5.4	14

47	Shifts in the suitable habitat available for brown trout ( <i>Salmo trutta</i> L.) under short-term climate change scenarios. <i>Science of the Total Environment</i> , <b>2016</b> , 544, 686-700	10.2	32
46	A hydroeconomic modeling framework for optimal integrated management of forest and water. <i>Water Resources Research</i> , <b>2016</b> , 52, 8277-8294	5.4	16
45	Hydroeconomic Models as Decision Support Tools for Conjunctive Management of Surface and Groundwater <b>2016</b> , 693-710		12
44	Assessment of future groundwater recharge in semi-arid regions under climate change scenarios (Serral-Salinas aquifer, SE Spain). Could increased rainfall variability increase the recharge rate?. <i>Hydrological Processes</i> , <b>2015</b> , 29, 828-844	3.3	67
43	Integrating top-down and bottom-up approaches to design global change adaptation at the river basin scale. <i>Global Environmental Change</i> , <b>2015</b> , 34, 132-146	10.1	41
42	Index-Based Cost-Effectiveness Analysis vs. Least-Cost River Basin Optimization Model: Comparison in the Selection of a Programme of Measures at the River Basin Scale. <i>Water Resources Management</i> , <b>2015</b> , 29, 4129-4155	3.7	7
41	Modeling residential water and related energy, carbon footprint and costs in California. <i>Environmental Science and Policy</i> , <b>2015</b> , 50, 270-281	6.2	42
40	An interdisciplinary modelling framework for selecting adaptation measures at the river basin scale in a global change scenario. <i>Environmental Modelling and Software</i> , <b>2015</b> , 69, 42-54	5.2	26
39	Inferring Attribute Non-attendance from Discrete Choice Experiments: Implications for Benefit Transfer. <i>Environmental and Resource Economics</i> , <b>2015</b> , 60, 497-520	4.4	21
38	Optimal residential water conservation strategies considering related energy in California. <i>Water Resources Research</i> , <b>2015</b> , 51, 4482-4498	5.4	19
37	Improving value transfer through socio-economic adjustments in a multicountry choice experiment of water conservation alternatives. <i>Australian Journal of Agricultural and Resource Economics</i> , <b>2015</b> , 59, 458-478	2.4	28
36	Definition of efficient scarcity-based water pricing policies through stochastic programming. <i>Hydrology and Earth System Sciences</i> , <b>2015</b> , 19, 3925-3935	5.5	16
35	Integrated assessment of the impact of climate and land use changes on groundwater quantity and quality in the Mancha Oriental system (Spain). <i>Hydrology and Earth System Sciences</i> , <b>2015</b> , 19, 1677-1693	5.5	61
34	Contribution of the multi-attribute value theory to conflict resolution in groundwater management application to the Mancha Oriental groundwater system, Spain. <i>Hydrology and Earth System Sciences</i> , <b>2015</b> , 19, 1325-1337	5.5	8
33	Climate change impacts on groundwater and dependent ecosystems. <i>Journal of Hydrology</i> , <b>2014</b> , 518, 250-266	6	318
32	Influence of soil and climate heterogeneity on the performance of economic instruments for reducing nitrate leaching from agriculture. <i>Science of the Total Environment</i> , <b>2014</b> , 499, 510-9	10.2	9
31	Performance assessment of nitrate leaching models for highly vulnerable soils used in low-input farming based on lysimeter data. <i>Science of the Total Environment</i> , <b>2014</b> , 499, 463-80	10.2	29
30	Economía del agua y gestión de recursos hídricos. <i>Ingeniería Del Agua</i> , <b>2014</b> , 18, 95	0.7	2

29	Dynamic Bayesian Networks as a Decision Support tool for assessing Climate Change impacts on highly stressed groundwater systems. <i>Journal of Hydrology</i> , <b>2013</b> , 479, 113-129	6	68
28	Design of Efficient Water Pricing Policies Integrating Basinwide Resource Opportunity Costs. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2013</b> , 139, 583-592	2.8	52
27	Systems Analysis Approach to the Design of Efficient Water Pricing Policies under the EU Water Framework Directive. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2013</b> , 139, 574-582	2.8	36
26	Stochastic hydro-economic model for groundwater quality management using Bayesian networks. <i>Water Science and Technology</i> , <b>2013</b> , 67, 579-86	2.2	12
25	A decision analysis framework for stakeholder involvement and learning in groundwater management. <i>Hydrology and Earth System Sciences</i> , <b>2013</b> , 17, 5141-5153	5.5	18
24	The value of scientific information on climate change: a choice experiment on Rokua esker, Finland. <i>Journal of Environmental Economics and Policy</i> , <b>2012</b> , 1, 85-102	1.8	13
23	Economic Costs of Sustaining Water Supplies: Findings from the Rio Grande. <i>Water Resources Management</i> , <b>2012</b> , 26, 2883-2909	3.7	28
22	Efficient conceptual model for simulating the effect of aquifer heterogeneity on natural groundwater discharge to rivers. <i>Advances in Water Resources</i> , <b>2011</b> , 34, 1377-1389	4.7	11
21	Groundwater dependent ecosystems. Part II. Ecosystem services and management in Europe under risk of climate change and land use intensification. <i>Environmental Science and Policy</i> , <b>2011</b> , 14, 782-793	6.2	67
20	Stochastic hydro-economic modeling for optimal management of agricultural groundwater nitrate pollution under hydraulic conductivity uncertainty. <i>Environmental Modelling and Software</i> , <b>2011</b> , 26, 999-1008	5.2	53
19	Fertilizer standards for controlling groundwater nitrate pollution from agriculture: El Salobral-Los Llanos case study, Spain. <i>Journal of Hydrology</i> , <b>2010</b> , 392, 174-187	6	52
18	A hydro-economic modelling framework for optimal management of groundwater nitrate pollution from agriculture. <i>Journal of Hydrology</i> , <b>2009</b> , 373, 193-203	6	50
17	Hydro-economic models: Concepts, design, applications, and future prospects. <i>Journal of Hydrology</i> , <b>2009</b> , 375, 627-643	6	440
16	Incentive pricing and cost recovery at the basin scale. <i>Journal of Environmental Management</i> , <b>2009</b> , 90, 293-313	7.9	31
15	Efficiency, equity, and sustainability in a water quantity-quality optimization model in the Rio Grande basin. <i>Ecological Economics</i> , <b>2008</b> , 66, 23-37	5.6	73
14	Hydro-economic river basin modelling: The application of a holistic surface-groundwater model to assess opportunity costs of water use in Spain. <i>Ecological Economics</i> , <b>2008</b> , 66, 51-65	5.6	86
13	Water conservation in irrigation can increase water use. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 18215-20	11.5	421
12	A general methodology to simulate groundwater flow of unconfined aquifers with a reduced computational cost. <i>Journal of Hydrology</i> , <b>2007</b> , 338, 42-56	6	24

11	An efficient conceptual model to simulate surface water body-aquifer interaction in conjunctive use management models. <i>Water Resources Research</i> , <b>2007</b> , 43,	5-4	30
10	Hydro-economic Modeling in River Basin Management: Implications and Applications for the European Water Framework Directive. <i>Water Resources Management</i> , <b>2007</b> , 21, 1103-1125	3-7	138
9	Economic Optimization of Conjunctive Use of Surface Water and Groundwater at the Basin Scale. <i>Journal of Water Resources Planning and Management - ASCE</i> , <b>2006</b> , 132, 454-467	2-8	117
8	Climate Warming and Water Management Adaptation for California. <i>Climatic Change</i> , <b>2006</b> , 76, 361-387	4-5	183
7	Modeling of stream-aquifer interaction: the embedded multireservoir model. <i>Journal of Hydrology</i> , <b>2005</b> , 313, 166-181	6	34
6	Economic values for conjunctive use and water banking in southern California. <i>Water Resources Research</i> , <b>2004</b> , 40,	5-4	68
5	A decision analysis framework for stakeholder involvement and learning in groundwater management		1
4	Integrated assessment of the impact of climate and land use changes on groundwater quantity and quality in Mancha Oriental (Spain)		1
3	Definition of efficient scarcity-based water pricing policies through stochastic programming		3
2	Hydro-economic optimization under inflow uncertainty using the SDP_GAMS generalized optimization tool. <i>Proceedings of the International Association of Hydrological Sciences</i> , 364, 410-415		2
1	Contribution of the Multi Attribute Value Theory to conflict resolution in groundwater management. Application to the Mancha Oriental groundwater system, Spain		1