

# Ana M Laguna

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

585  
citations

759233

12  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1011  
citing authors

#	ARTICLE	IF	CITATIONS
1	Concurrent variability of soil moisture and apparent electrical conductivity in the proximity of olive trees. <i>Agricultural Water Management</i> , 2021, 245, 106652.	5.6	6
2	Bioturbation and erosion rates along the soilâ€hillslope conveyor belt, part 2: Quantification using an analytical solution of the diffusionâ€advection equation. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2066-2080.	2.5	15
3	Controls on soil carbon storage from topography and vegetation in a rocky, semi-arid landscapes. <i>Geoderma</i> , 2018, 311, 159-166.	5.1	57
4	Efficiency of four different seeded plants and native vegetation as cover crops in the control of soil and carbon losses by water erosion in olive orchards. <i>Land Degradation and Development</i> , 2018, 29, 2278-2290.	3.9	43
5	Impact of historical land use and soil management change on soil erosion and agricultural sustainability during the Anthropocene. <i>Anthropocene</i> , 2017, 17, 13-29.	3.3	156
6	An assessment of policies affecting Sustainable Soil Management in Europe and selected member states. <i>Land Use Policy</i> , 2017, 66, 241-249.	5.6	39
7	Reconstructing long-term gully dynamics in Mediterranean agricultural areas. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 235-249.	4.9	26
8	Recognition of materials and damage on historical buildings using digital image classification. <i>South African Journal of Science</i> , 2015, 111, 1-9.	0.7	19
9	Study of sediment movement in an irrigated maizeâ€cotton system combining rainfall simulations, sediment tracers and soil erosion models. <i>Journal of Hydrology</i> , 2015, 524, 227-242.	5.4	18
10	Simulation of longâ€term soil redistribution by tillage using a cellular automata model. <i>Earth Surface Processes and Landforms</i> , 2010, 35, 761-770.	2.5	5
11	Exploring the effects of the vegetation on passive tracer transport by using the multifractal analysis. <i>Geoderma</i> , 2010, 160, 126-130.	5.1	1
12	Applying a simple methodology to assess historical soil erosion in olive orchards. <i>Geomorphology</i> , 2010, 114, 294-302.	2.6	53
13	Evaluating a general sediment transport model for linear incisions under field conditions. <i>Earth Surface Processes and Landforms</i> , 2009, 34, 1852-1857.	2.5	3
14	An educational computer tool for simulating longâ€term soil erosion on agricultural landscapes. <i>Computer Applications in Engineering Education</i> , 2009, 17, 253-262.	3.4	2
15	The influence of the geometry of idealised porous media on the simulated flow velocity: A multifractal description. <i>Geoderma</i> , 2009, 150, 196-201.	5.1	10
16	Numerical Study of the Transition Regime between the Skimming and Wake Interference Flows in a Water Flume by Using the Lattice-Model Approach. <i>Journal of Hydraulic Engineering</i> , 2008, 134, 274-279.	1.5	0
17	Multifractal analysis of passive tracer transport in simulated skimming and wake interference flows. <i>Physics of Fluids</i> , 2007, 19, .	4.0	0
18	Multifractal analysis of flow velocity simulated with the lattice model approach in idealized threeâ€dimensional porous media. <i>Water Resources Research</i> , 2007, 43, .	4.2	6

#	ARTICLE	IF	CITATIONS
19	Physically Based Estimation of Soil Water Retention from Textural Data: General Framework, New Models, and Streamlined Existing Models. <i>Vadose Zone Journal</i> , 2007, 6, 766-773.	2.2	41
20	Modelling the effects of emergent vegetation on an open-channel flow using a lattice model. <i>International Journal for Numerical Methods in Fluids</i> , 2007, 55, 655-672.	1.6	8
21	Description of sorbing tracers transport in fractured media using the lattice model approach. <i>Journal of Contaminant Hydrology</i> , 2005, 81, 187-204.	3.3	3
22	Simulation of Tracer Dispersion in Porous Media Using Lattice Boltzmann and Random Walk Models. <i>Vadose Zone Journal</i> , 2005, 4, 310-316.	2.2	7
23	Evaluation of linear and nonlinear sediment transport equations using hillslope morphology. <i>Catena</i> , 2005, 64, 272-280.	5.0	10
24	Continuous time random walks for analyzing the transport of a passive tracer in a single fissure. <i>Water Resources Research</i> , 2005, 41, .	4.2	23
25	Estimation of the role of obstacles in the downslope soil flow with a simple erosion model: the analytical solution and its approximation with the lattice Boltzmann model. <i>Catena</i> , 2004, 57, 261-275.	5.0	8
26	The description of soil erosion through a kinematic wave model. <i>Journal of Hydrology</i> , 1993, 145, 65-82.	5.4	25