Anthony M Castronova

List of Publications by Year
in descending order

18 papers	569 citations	840585 11 h-index	996849 15 g-index
19 all docs	19 docs citations	19 times ranked	790 citing authors

#	Article	IF	Citations
1	Models as web services using the Open Geospatial Consortium (OGC) Web Processing Service (WPS) standard. Environmental Modelling and Software, 2013, 41, 72-83.	1.9	113
2	Modeling water resource systems using a service-oriented computing paradigm. Environmental Modelling and Software, 2011, 26, 573-582.	1.9	105
3	HydroShare: Sharing Diverse Environmental Data Types and Models as Social Objects with Application to the Hydrology Domain. Journal of the American Water Resources Association, 2016, 52, 873-889.	1.0	73
4	Integrated modeling within a Hydrologic Information System: An OpenMI based approach. Environmental Modelling and Software, 2013, 39, 263-273.	1.9	58
5	Design of a metadata framework for environmental models with an example hydrologic application in HydroShare. Environmental Modelling and Software, 2017, 93, 13-28.	1.9	40
6	A generic approach for developing process-level hydrologic modeling components. Environmental Modelling and Software, 2010, 25, 819-825.	1.9	38
7	Calibration of SWAT models using the cloud. Environmental Modelling and Software, 2014, 62, 188-196.	1.9	29
8	Development of a participatory Green Infrastructure design, visualization and evaluation system in a cloud supported jupyter notebook computing environment. Environmental Modelling and Software, 2019, 111, 121-133.	1.9	25
9	Toward open and reproducible environmental modeling by integrating online data repositories, computational environments, and model Application Programming Interfaces. Environmental Modelling and Software, 2021, 135, 104888.	1.9	24
10	Simulating watersheds using loosely integrated model components: Evaluation of computational scaling using OpenMI. Environmental Modelling and Software, 2013, 39, 304-313.	1.9	18
11	Feedback loops and temporal misalignment in component€based hydrologic modeling. Water Resources Research, 2011, 47, .	1.7	13
12	A hierarchical network-based algorithm for multi-scale watershed delineation. Computers and Geosciences, 2014, 72, 156-166.	2.0	9
13	Reproducible Results Policy. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	1.3	9
14	Using a Service-Oriented Approach to Simulate Integrated Urban Infrastructure Systems. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	6
15	Reproducible Hydrological Modeling with CyberGIS-Jupyter. , 2019, , .		5
16	The future low-temperature geochemical data-scape as envisioned by the U.S. geochemical community. Computers and Geosciences, 2021, 157, 104933.	2.0	3
17	WDCloud: An end to end system for large-scale watershed delineation on cloud. , 2015, , .		1
18	Component-Based Modeling of Watershed Systems. , 2010, , .		0