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	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
2	Reproducible Results Policy. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	1.3	9
3	The future low-temperature geochemical data-scape as envisioned by the U.S. geochemical community. Computers and Geosciences, 2021, 157, 104933.	2.0	3
4	Reproducible Hydrological Modeling with CyberGIS-Jupyter. , 2019, , .		5
5	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
6	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
7	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
8	WDCloud: An end to end system for large-scale watershed delineation on cloud. , 2015, , .		1
9	Using a Service-Oriented Approach to Simulate Integrated Urban Infrastructure Systems. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	6
10	A hierarchical network-based algorithm for multi-scale watershed delineation. Computers and Geosciences, 2014, 72, 156-166.	2.0	9
11	Calibration of SWAT models using the cloud. Environmental Modelling and Software, 2014, 62, 188-196.	1.9	29
12	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
13	Simulating watersheds using loosely integrated model components: Evaluation of computational scaling using OpenMI. Environmental Modelling and Software, 2013, 39, 304-313.	1.9	18
14	Integrated modeling within a Hydrologic Information System: An OpenMI based approach. Environmental Modelling and Software, 2013, 39, 263-273.	1.9	58
15	Feedback loops and temporal misalignment in component€based hydrologic modeling. Water Resources Research, 2011, 47, .	1.7	13
16	Modeling water resource systems using a service-oriented computing paradigm. Environmental Modelling and Software, 2011, 26, 573-582.	1.9	105
17	Component-Based Modeling of Watershed Systems. , 2010, , .		0
18	A generic approach for developing process-level hydrologic modeling components. Environmental Modelling and Software, 2010, 25, 819-825.	1.9	38