Deborah A Agarwal

List of Publications by Year
in descending order

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30 papers	410 citations	933447 10 h-index	888059 17 g-index
39 all docs	39 docs citations	39 times ranked	860 citing authors

#	Article	IF	Citations
1	BASIN-3D: A brokering framework to integrate diverse environmental data. Computers and Geosciences, 2022, 159, 105024.	4.2	4
2	Guidelines for Publicly Archiving Terrestrial Model Data to Enhance Usability, Intercomparison, and Synthesis. Data Science Journal, 2022, 21, 3.	1.3	3
3	Surrogate optimization of deep neural networks for groundwater predictions. Journal of Global Optimization, 2021, 81, 203-231.	1.8	40
4	Sample Identifiers and Metadata to Support Data Management and Reuse in Multidisciplinary Ecosystem Sciences. Data Science Journal, 2021, 20, 11.	1.3	11
5	Assessing data change in scientific datasets. Concurrency Computation Practice and Experience, 2021, 33, e6245.	2.2	0
6	A reporting format for leaf-level gas exchange data and metadata. Ecological Informatics, 2021, 61, 101232.	5.2	22
7	Balancing the needs of consumers and producers for scientific data collections. Ecological Informatics, 2021, 62, 101251.	5.2	2
8	The Colorado East River Community Observatory Data Collection. Hydrological Processes, 2021, 35, e14243.	2.6	10
9	A Guide to Using GitHub for Developing and Versioning Data Standards and Reporting Formats. Earth and Space Science, 2021, 8, e2021EA001797.	2.6	7
10	The future low-temperature geochemical data-scape as envisioned by the U.S. geochemical community. Computers and Geosciences, 2021, 157, 104933.	4.2	3
11	Calibration, measurement, and characterization of soil moisture dynamics in a central Amazonian tropical forest. Vadose Zone Journal, 2020, 19, e20070.	2.2	10
12	Impact of Input Feature Selection on Groundwater Level Prediction From a Multi-Layer Perceptron Neural Network. Frontiers in Water, 2020, 2, .	2.3	23
13	Challenges in Building an End-to-End System for Acquisition, Management, and Integration of Diverse Data From Sensor Networks in Watersheds: Lessons From a Mountainous Community Observatory in East River, Colorado. IEEE Access, 2019, 7, 182796-182813.	4.2	18
14	Understanding Data Similarity in Large-Scale Scientific Datasets. , 2019, , .		0
15	Dac-Man: Data Change Management for Scientific Datasets on HPC systems. , 2018, , .		5
16	Nonlinear Dynamics Simulations of Microbial Ecological Processes: Model, Diagnostic Parameters of Deterministic Chaos, and Sensitivity Analysis. Springer Proceedings in Mathematics and Statistics, 2018, , 437-465.	0.2	1
17	A metadata reporting framework (FRAMES) for synthesis of ecohydrological observations. Ecological Informatics, 2017, 42, 148-158.	5.2	18
18	A science data gateway for environmental management. Concurrency Computation Practice and Experience, 2016, 28, 1994-2004.	2.2	8

#	Article	IF	Citations
19	Combining Workflow Templates with a Shared Space-Based Execution Model. , 2014, , .		4
20	Experiences with User-Centered Design for the Tigres Workflow API. , 2014, , .		12
21	CAMP: Community Access MODIS Pipeline. Future Generation Computer Systems, 2014, 36, 418-429.	7.5	7
22	Database Maintenance, Data Sharing Policy, Collaboration. , 2012, , 399-424.		17
23	The role of trace gas flux networks in the biogeosciences. Eos, 2012, 93, 217-218.	0.1	22
24	A dataâ€¢centered collaboration portal to support global carbonâ€flux analysis. Concurrency Computation Practice and Experience, 2010, 22, 2323-2334.	2.2	38
25	Relationships and data sanitization. , 2010, , .		23
26	On-demand Overlay Networks for Large Scientific Data Transfers. , 2010, , .		11
27	ENVIRONMENT: Environmental Monitoring Network for India. Science, 2007, 316, 204-205.	12.6	26
28	Deep scientific computing requires deep data. IBM Journal of Research and Development, 2004, 48, 209-232.	3.1	18
29	A practical approach to the InterGroup protocols. Future Generation Computer Systems, 2002, 18, 709-719.	7.5	15
30	The reality of collaboratories. Computer Physics Communications, 1998, 110, 134-141.	7.5	26