Deborah A Agarwal

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/21696/publications.pdf

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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	Surrogate optimization of deep neural networks for groundwater predictions. Journal of Global Optimization, 2021, 81, 203-231.	1.8	40
2	A dataâ€centered collaboration portal to support global carbonâ€flux analysis. Concurrency Computation Practice and Experience, 2010, 22, 2323-2334.	2.2	38
3	The reality of collaboratories. Computer Physics Communications, 1998, 110, 134-141.	7.5	26
4	ENVIRONMENT: Environmental Monitoring Network for India. Science, 2007, 316, 204-205.	12.6	26
5	Relationships and data sanitization. , 2010, , .		23
6	Impact of Input Feature Selection on Groundwater Level Prediction From a Multi-Layer Perceptron Neural Network. Frontiers in Water, 2020, 2, .	2.3	23
7	The role of trace gas flux networks in the biogeosciences. Eos, 2012, 93, 217-218.	0.1	22
8	A reporting format for leaf-level gas exchange data and metadata. Ecological Informatics, 2021, 61, 101232.	5.2	22
9	Deep scientific computing requires deep data. IBM Journal of Research and Development, 2004, 48, 209-232.	3.1	18
10	A metadata reporting framework (FRAMES) for synthesis of ecohydrological observations. Ecological Informatics, 2017, 42, 148-158.	5.2	18
11	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
12	Database Maintenance, Data Sharing Policy, Collaboration. , 2012, , 399-424.		17
13	A practical approach to the InterGroup protocols. Future Generation Computer Systems, 2002, 18, 709-719.	7.5	15
14	Experiences with User-Centered Design for the Tigres Workflow API. , 2014, , .		12
15	On-demand Overlay Networks for Large Scientific Data Transfers. , 2010, , .		11
16	Sample Identifiers and Metadata to Support Data Management and Reuse in Multidisciplinary Ecosystem Sciences. Data Science Journal, 2021, 20, 11.	1.3	11
17	Calibration, measurement, and characterization of soil moisture dynamics in a central Amazonian tropical forest. Vadose Zone Journal, 2020, 19, e20070.	2.2	10
18	The Colorado East River Community Observatory Data Collection. Hydrological Processes, 2021, 35, e14243.	2.6	10

#	Article	IF	Citations
19	A science data gateway for environmental management. Concurrency Computation Practice and Experience, 2016, 28, 1994-2004.	2.2	8
20	CAMP: Community Access MODIS Pipeline. Future Generation Computer Systems, 2014, 36, 418-429.	7.5	7
21	A Guide to Using GitHub for Developing and Versioning Data Standards and Reporting Formats. Earth and Space Science, 2021, 8, e2021EA001797.	2.6	7
22	Dac-Man: Data Change Management for Scientific Datasets on HPC systems. , 2018, , .		5
23	Combining Workflow Templates with a Shared Space-Based Execution Model. , 2014, , .		4
24	BASIN-3D: A brokering framework to integrate diverse environmental data. Computers and Geosciences, 2022, 159, 105024.	4.2	4
25	The future low-temperature geochemical data-scape as envisioned by the U.S. geochemical community. Computers and Geosciences, 2021, 157, 104933.	4.2	3
26	Guidelines for Publicly Archiving Terrestrial Model Data to Enhance Usability, Intercomparison, and Synthesis. Data Science Journal, 2022, 21, 3.	1.3	3
27	Balancing the needs of consumers and producers for scientific data collections. Ecological Informatics, 2021, 62, 101251.	5.2	2
28	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
29	Understanding Data Similarity in Large-Scale Scientific Datasets. , 2019, , .		0
30	Assessing data change in scientific datasets. Concurrency Computation Practice and Experience, 2021, 33, e6245.	2.2	0