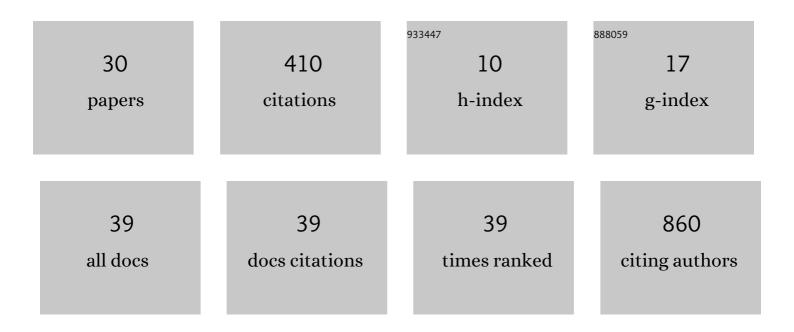
Deborah A Agarwal

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/21696/publications.pdf Version: 2024-02-01



| # | 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 data entered 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 |

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| # | 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 |