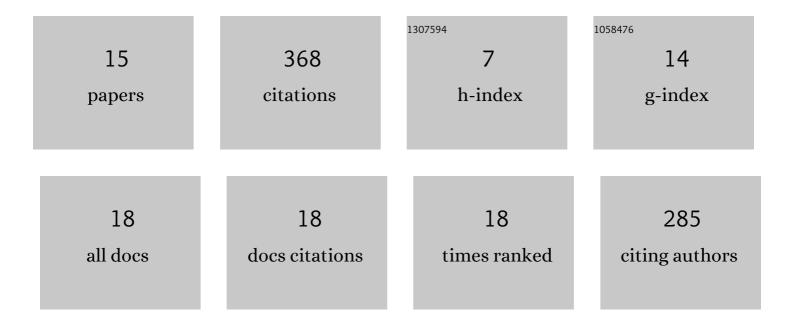
## Norbert Podhorszki

List of Publications by Year in descending order

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| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Hello ADIOS: the challenges and lessons of developing leadership class I/O frameworks. Concurrency Computation Practice and Experience, 2014, 26, 1453-1473.  | 2.2 | 170       |
| 2  | ADIOS 2: The Adaptable Input Output System. A framework for high-performance data management.<br>SoftwareX, 2020, 12, 100561.   | 2.6 | 102       |
| 3  | Canopus: A Paradigm Shift Towards Elastic Extreme-Scale Data Analytics on HPC Storage. , 2017, , .  |     | 16        |
| 4  | MGARD+: Optimizing Multilevel Methods for Error-Bounded Scientific Data Reduction. IEEE<br>Transactions on Computers, 2022, 71, 1522-1536.  | 3.4 | 13        |
| 5  | Spatial coupling of gyrokinetic simulations, a generalized scheme based on first-principles. Physics of Plasmas, 2021, 28, .  | 1.9 | 12        |
| 6  | The Exascale Framework for High Fidelity coupled Simulations (EFFIS): Enabling whole device modeling<br>in fusion science. International Journal of High Performance Computing Applications, 2022, 36, 106-128. | 3.7 | 11        |
| 7  | Improving I/O Performance for Exascale Applications Through Online Data Layout Reorganization. IEEE<br>Transactions on Parallel and Distributed Systems, 2022, 33, 878-890.                                     | 5.6 | 10        |
| 8  | Harnessing Data Movement in Virtual Clusters for In-Situ Execution. IEEE Transactions on Parallel and<br>Distributed Systems, 2019, 30, 615-629.  | 5.6 | 8         |
| 9  | On the Scalability of Data Reduction Techniques in Current and Upcoming HPC Systems from an Application Perspective. Lecture Notes in Computer Science, 2017, , 15-29.  | 1.3 | 5         |
| 10 | Processing Full-Scale Square Kilometre Array Data on the Summit Supercomputer. , 2020, , .  |     | 4         |
| 11 | Comparing Time-to-Solution for In Situ Visualization Paradigms at Scale. , 2020, , .  |     | 4         |
| 12 | Identifying challenges and opportunities of in-memory computing on large HPC systems. Journal of Parallel and Distributed Computing, 2022, 164, 106-122.  | 4.1 | 4         |
| 13 | In Situ Analysis and Visualization of Fusion Simulations: Lessons Learned. Lecture Notes in Computer Science, 2018, , 230-242.  | 1.3 | 2         |
| 14 | zMesh: Theories and Methods to Exploring Application Characteristics to Improve Lossy Compression<br>Ratio for Adaptive Mesh Refinement. IEEE Transactions on Parallel and Distributed Systems, 2022, , 1-1.    | 5.6 | 2         |
| 15 | Understanding the Impact of Data Staging for Coupled Scientific Workflows. IEEE Transactions on<br>Parallel and Distributed Systems, 2022, 33, 4134,4147  | 5.6 | 2         |