Tony Hey

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/852869/publications.pdf

Version: 2024-02-01

90 papers	3,029 citations	759233 12 h-index	501196 28 g-index
109 all docs	109 docs citations	109 times ranked	2320 citing authors

#	Article	IF	Citations
1	Beyond the Data Deluge. Science, 2009, 323, 1297-1298.	12.6	424
2	Cyberinfrastructure for e-Science. Science, 2005, 308, 817-821.	12.6	276
3	The Data Deluge: An e-Science Perspective. , 0, , 809-824.		273
4	Condor and the Grid. , 0, , 299-335.		221
5	The Physiology of the Grid. , 0, , 217-249.		205
6	The Anatomy of the Grid. , 0, , 169-197.		179
7	The UK e-Science Core Programme and the Grid. Future Generation Computer Systems, 2002, 18, 1017-1031.	7.5	157
8	The Semantic Grid: A Future e-Science Infrastructure. , 0, , 437-470.		126
9	The Evolution of the Grid. , 0, , 65-100.		90
10	Grid Resource Allocation and Control Using Computational Economies. , 0, , 747-771.		71
11	Web Service Grids: an evolutionary approach. Concurrency Computation Practice and Experience, 2005, 17, 377-389.	2.2	67
12	e-Science and its implications. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2003, 361, 1809-1825.	3.4	61
13	eDiamond: A Grid-Enabled Federated Database of Annotated Mammograms. , 0, , 923-943.		48
14	Machine learning and big scientific data. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190054.	3.4	43
15	Scientific machine learning benchmarks. Nature Reviews Physics, 2022, 4, 413-420.	26.6	43
16	The Grid: Past, Present, Future. , 0, , 9-50.		40
17	Grid Programming Models: Current Tools, Issues and Directions. , 0, , 555-578.		37
18	Grid Web Services and Application Factories. , 0, , 251-264.		33

#	Article	IF	Citations
19	NetSolve: Past, Present, and Future â€“ A Look at a Grid Enabled Server. , 0, , 615-624.		31
20	Databases and the Grid. , 0, , 363-384.		29
21	Parameter Sweeps on the Grid with APST. , 0, , 773-787.		28
22	Data-Intensive Grids for High-Energy Physics. , 0, , 859-905.		28
23	Open science decoded. Nature Physics, 2015, 11, 367-369.	16.7	25
24	Peer-To-Peer Grids. , 0, , 471-490.		24
25	The Grid: A New Infrastructure for 21st Century Science. , 0, , 51-63.		23
26	Richard Feynman and computation. Contemporary Physics, 1999, 40, 257-265.	1.8	21
27	Virtualization Services for Data Grids. , 0, , 409-435.		16
28	Peer-To-Peer Grid Databases for Web Service Discovery. , 0, , 491-539.		15
29	Data-intensive science: The Terapixel and MODISAzure projects. International Journal of High Performance Computing Applications, 2011, 25, 304-316.	3.7	15
30	Benchmarking and scalability of machine-learning methods for photometric redshift estimation. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4847-4856.	4.4	15
31	Overview of Grid Computing Environments. , 0, , 541-553.		14
32	From Legion to Avaki: The Persistence of Vision. , 0, , 265-298.		13
33	Classifying and Enabling Grid Applications. , 0, , 601-614.		13
34	The Fourth Paradigm 10 Years On. Informatik-Spektrum, 2020, 42, 441-447.	1.3	13
35	Selected results from the ParkBench Benchmark. Lecture Notes in Computer Science, 1996, , 251-254.	1.3	12
36	Realistic parallel performance estimation. Parallel Computing, 1997, 23, 5-21.	2.1	12

#	Article	IF	Citations
37	Education and the Enterprise with the Grid. , 0, , 963-976.		12
38	Building Grid Computing Portals: The NPACI Grid Portal Toolkit. , 0, , 675-700.		12
39	The Genesis distributed-memory benchmarks. Part 1: Methodology and general relativity benchmark with results for the SUPRENUM computer. Concurrency and Computation: Practice and Experience, 1993, 5, 1-22.	0.5	11
40	Commodity Grid Kits â€“ Middleware for Building Grid Computing Environments. , 0, , 639-656.		11
41	NaradaBrokering: An Event-Based Infrastructure for Building Scalable Durable Peer-To-Peer Grids. , 0, , 579-600.		11
42	Combinatorial Chemistry and the Grid. , 0, , 945-962.		10
43	Deep learning methods for obtaining photometric redshift estimations from images. Monthly Notices of the Royal Astronomical Society, 2022, 512, 1696-1709.	4.4	10
44	The Development of Parkbench and Performance Prediction. International Journal of High Performance Computing Applications, 2000, 14, 205-215.	3.7	8
45	The Open Grid Services Architecture, and Data Grids. , 0, , 385-407.		8
46	Architecture of a Commercial Enterprise Desktop Grid: The Entropia System. , 0, , 337-350.		8
47	Autonomic Computing and Grid. , 0, , 351-361.		7
48	The UK e-Science Core Programme and the Grid. Lecture Notes in Computer Science, 2002, , 3-21.	1.3	7
49	Overview of the Book: Grid Computing â€“ Making the Global Infrastructure a Reality. , 0, , 1-8.		6
50	Ninf-G: A GridRPC System on the Globus Toolkit. , 0, , 625-637.		6
51	Unicore and the Open Grid Services Architecture. , 0, , 701-712.		6
52	The Role of Digital Technologies in Responding to the Grand Challenges of the Natural Environment: The Windermere Accord. Patterns, 2021, 2, 100156.	5.9	6
53	The Scientific Imperative. , 2004, , 13-24.		6
54	E-Science, Cyberinfrastructure, and Scholarly Communication. , 2008, , 14-31.		6

#	Article	IF	Citations
55	DISCOVER: A Computational Collaboratory for Interactive Grid Applications. , 0, , 729-746.		5
56	The Grid Portal Development Kit. , 0, , 657-673.		5
57	Grids and the Virtual Observatory. , 0, , 837-858.		4
58	The New Biology and the Grid. , 0, , 907-922.		3
59	Distributed Object-Based Grid Computing Environments. , 0, , 713-728.		3
60	Rationale for Choosing the Open Grid Services Architecture. , 0, , 199-215.		3
61	Augmenting interoperability across scholarly repositories. , 2006, , .		3
62	SUPRENUM and GENESIS. Parallel Computing, 1994, 20, 1387-1388.	2.1	2
63	A toolkit for optimising parallel performance. Lecture Notes in Computer Science, 1995, , 548-553.	1.3	2
64	Storage Manager and File Transfer Web Services. , 0, , 789-801.		2
65	'e-science and cyberinfrastructure. , 2006, , .		2
66	The Genesis esprit project â€" An overview. Parallel Computing, 1994, 20, 1605-1612.	2.1	1
67	Do-loop-surface: an abstract representation of parallel program performance. Concurrency and Computation: Practice and Experience, 1996, 8, 205-234.	0.5	1
68	Performance Engineering, PSEs and the GRID. Scientific Programming, 2002, 10, 3-17.	0.7	1
69	SchrÃ¶dinger and matter waves. , 2003, , 35-46.		1
70	Quantum co-operation and superfluids. , 2003, , 131-156.		1
71	Software Infrastructure for the I-WAY High-Performance Distributed Computing Experiment. , 0, , 101-115.		1
72	Implementing Production Grids. , 0, , 117-167.		1

#	Article	IF	Citations
73	Metacomputing. , 0, , 825-835.		1
74	2.1 Research Platforms in the Cloud. , 2010, , 67-71.		1
75	Simulation and Modelling Applications on MPP Systems. , 1994, , 15-21.		1
76	Route map. , 2003, , xv-xvi.		0
77	Waves versus particles. , 2003, , 1-16.		0
78	Heisenberg and uncertainty. , 2003, , 17-34.		0
79	Atoms and nuclei. , 2003, , 47-72.		0
80	Quantum tunnelling. , 2003, , 73-106.		0
81	Pauli and the elements. , 2003, , 107-130.		0
82	Quantum jumps. , 2003, , 157-180.		0
83	Quantum engineering. , 2003, , 181-206.		0
84	Death of a star. , 2003, , 207-226.		0
85	Feynman rules. , 2003, , 227-244.		0
86	Weak photons and strong glue. , 2003, , 245-284.		0
87	Afterword â€“ quantum physics and science fiction. , 2003, , 285-312.		0
88	Application Overview for the Book: Grid Computing â€“ Making the Global Infrastructure a Reality. , 0, , 803-808.		0
89	E-Science and the Grid. Lecture Notes in Computer Science, 2001, , 23-23.	1.3	0
90	New challenges for Fortran in the next millennium. ACM SIGPLAN Fortran Forum, 1998, 17, 10-12.	0.5	0