Raffaele Tripiccione

List of Publications by Year
in descending order

191 papers	5,276 citations	109321 35 h-index	98798 67 g-index
193 all docs	193 docs citations	193 times ranked	2529 citing authors

#	Article	IF	Citations
1	Extended self-similarity in turbulent flows. Physical Review E, 1993, 48, R29-R32.	2.1	846
2	Glueball masses and string tension in lattice QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 192, 163-169.	4.1	618
3	The beam and detector for the NA48 neutral kaon CP violation experiment at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 574, 433-471.	1.6	174
4	Extended Self-Similarity in the Dissipation Range of Fully Developed Turbulence. Europhysics Letters, 1993, 24, 275-279.	2.0	155
5	Generalized scaling in fully developed turbulence. Physica D: Nonlinear Phenomena, 1996, 96, 162-181.	2.8	139
6	Order of the Deconfining Phase Transition in Pure-Gauge QCD. Physical Review Letters, 1988, 61, 1545-1548.	7.8	111
7	An In-Depth View of the Microscopic Dynamics of Ising Spin Glasses at Fixed Temperature. Journal of Statistical Physics, 2009, 135, 1121-1158.	1.2	83
8	Critical parameters of the three-dimensional Ising spin glass. Physical Review B, 2013, 88, .	3.2	82
9	Rayleigh and Prandtl number scaling in the bulk of Rayleighâ€“BÃ©nard turbulence. Physics of Fluids, 2005, 17, 055107.	4.0	79
10	Nonequilibrium Spin-Glass Dynamics from Picoseconds to a Tenth of a Second. Physical Review Letters, 2008, 101, 157201.	7.8	77
11	Janus: An FPGA-Based System for High-Performance Scientific Computing. Computing in Science and Engineering, 2009, 11, 48-58.	1.2	75
12	Nature of the spin-glass phase at experimental length scales. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P06026.	2.3	70
13	LBE SIMULATIONS OF RAYLEIGH-BÃ‰NARD CONVECTION ON THE APE100 PARALLEL PROCESSOR. International Journal of Modern Physics C, 1993, 04, 993-1006.	1.7	65
14	Î²=6.0 quenched Wilson fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 258, 195-201.	4.1	61
15	Evidences of Bolgiano-Obhukhov scaling in three-dimensional Rayleigh-BÃ©nard convection. Physical Review E, 2002, 66, 016304.	2.1	61
16	Massively parallel latticeâ€“Boltzmann codes on large GPU clusters. Parallel Computing, 2016, 58, 1-24.	2.1	59
17	The Mpemba effect in spin glasses is a persistent memory effect. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15350-15355.	7.1	59
18	The hadronic mass spectrum in quenched lattice QCD: Results at Î² = 5.7 and Î² = 6.0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 214, 115-119.	4.1	57

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19	Simulating spin systems on IANUS, an FPGA-based computer. Computer Physics Communications, 2008, 178, 208-216.	7.5	57
20	The hadronic mass spectrum in quenched lattice QCD: Î²=5.7. Nuclear Physics B, 1989, 317, 509-525.	2.5	55
21	THE APE-100 COMPUTER: (I) THE ARCHITECTURE. International Journal of High Speed Computing, 1993, 05, 637-656.	0.2	54
22	Thermodynamic glass transition in a spin glass without time-reversal symmetry. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 6452-6456.	7.1	54
23	On the Scaling of the Velocity and Temperature Structure Functions in Rayleigh-BÃ©nard Convection. Europhysics Letters, 1994, 25, 341-346.	2.0	53
24	Glueball masses and the loop-loop correlation functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 197, 400-402.	4.1	48
25	A VLSI Processor for Fast Track Finding Based on Content Addressable Memories. IEEE Transactions on Nuclear Science, 2006, 53, 2428-2433.	2.0	47
26	Early Experience on Porting and Running a Lattice Boltzmann Code on the Xeon-phi Co-Processor. Procedia Computer Science, 2013, 18, 551-560.	2.0	45
27	Extended self-similarity in numerical simulations of three-dimensional anisotropic turbulence. Physical Review E, 1996, 53, R5565-R5568.	2.1	44
28	The APE computer: An array processor optimized for lattice gauge theory simulations. Computer Physics Communications, 1987, 45, 345-353.	7.5	43
29	The Silicon Vertex Trigger upgrade at CDF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 361-364.	1.6	41
30	On the Intermittent Energy Transfer at Viscous Scales in Turbulent Flows. Europhysics Letters, 1995, 32, 709-713.	2.0	40
31	Janus II: A new generation application-driven computer for spin-system simulations. Computer Physics Communications, 2014, 185, 550-559.	7.5	40
32	The three-dimensional Ising spin glass in an external magnetic field: the role of the silent majority. Journal of Statistical Mechanics: Theory and Experiment, 2014, 2014, P05014.	2.3	38
33	Static versus Dynamic Heterogeneities in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>D</mml:mi><mml:mo>=</mml:mo><mml:mn>3</mml:mn></mml:math>Edwards-Anderson-Ising Spin Glass. Physical Review Letters, 2010, 105, 177202.	7.8	37
34	A HARDWARE IMPLEMENTATION OF THE APE100 ARCHITECTURE. International Journal of Modern Physics C, 1993, 04, 969-976.	1.7	36
35	On the Heat Transfer in Rayleighâ€“BÃ©nard Systems. Journal of Statistical Physics, 1998, 93, 901-918.	1.2	35
36	High resolution numerical study of Rayleighâ€“Taylor turbulence using a thermal lattice Boltzmann scheme. Physics of Fluids, 2010, 22, 115112.	4.0	35

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37	Reactive Rayleigh-Taylor systems: Front propagation and non-stationarity. Europhysics Letters, 2011, 94, 54004.	2.0	35
38	The FastTracker Real Time Processor and Its Impact on Muon Isolation, Tau and b-Jet Online Selections at ATLAS. IEEE Transactions on Nuclear Science, 2012, 59, 348-357.	2.0	35
39	Staggered fermions at Î² = 5.7: Smeared operators on large lattices. Nuclear Physics B, 1990, 343, 228-240.	2.5	34
40	THE SOFTWARE OF THE APE100 PROCESSOR. International Journal of Modern Physics C, 1993, 04, 955-967.	1.7	32
41	Performance and portability of accelerated lattice Boltzmann applications with OpenACC. Concurrency Computation Practice and Experience, 2016, 28, 3485-3502.	2.2	32
42	Scaling behaviour of the deconfinement temperature for SU(2) pure gauge theory at finite temperature. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 151, 145-150.	4.1	31
43	The deconfining phase transition in lattice gauge SU(3). Nuclear Physics B, 1989, 318, 553-578.	2.5	31
44	Matching Microscopic and Macroscopic Responses in Glasses. Physical Review Letters, 2017, 118, 157202.	7.8	31
45	Panel discussion on the cost of dynamical quark simulations. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 199-205.	0.4	30
46	Dynamical transition in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>D</mml:mi><mml:mo>=</mml:mo><mml:mn>3</mml:m spin glass in an external magnetic field. Physical Review E, 2014, 89, 032140.	2.1	30
47	A high statistics lattice calculation of Æ’B in the static limit on APE. Nuclear Physics B, 1994, 413, 461-480.	2.5	29
48	Universality of anisotropic fluctuations from numerical simulations of turbulent flows. Europhysics Letters, 2003, 64, 461-467.	2.0	29
49	QPACE: Quantum Chromodynamics Parallel Computing on the Cell Broadband Engine. Computing in Science and Engineering, 2008, 10, 46-54.	1.2	29
50	Second-order closure in stratified turbulence: Simulations and modeling of bulk and entrainment regions. Physical Review E, 2011, 84, 016305.	2.1	29
51	Evaluation of DVFS techniques on modern HPC processors and accelerators for energyâ€aware applications. Concurrency Computation Practice and Experience, 2017, 29, e4143.	2.2	29
52	Aging Rate of Spin Glasses from Simulations Matches Experiments. Physical Review Letters, 2018, 120, 267203.	7.8	29
53	Scaling in lattice QCD: Glueball masses and string tension. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 205, 535-539.	4.1	25
54	The topological susceptibility of the pure SU(3) Yang-Mills vacuum on the lattice. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 252, 436-442.	4.1	25

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55	Optimization of lattice Boltzmann simulations on heterogeneous computers. International Journal of High Performance Computing Applications, 2019, 33, 124-139.	3.7	25
56	Relativistic lattice Boltzmann methods: Theory and applications. Physics Reports, 2020, 863, 1-63.	25.6	24
57	An optimized D2Q37 Lattice Boltzmann code on GP-GPUs. Computers and Fluids, 2013, 80, 55-62.	2.5	23
58	A statics-dynamics equivalence through the fluctuationâ€“dissipation ratio provides a window into the spin-glass phase from nonequilibrium measurements. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 1838-1843.	7.1	23
59	The Potential of On-Chip Multiprocessing for QCD Machines. Lecture Notes in Computer Science, 2005, , 386-397.	1.3	22
60	Î²=6.0 staggered quenched fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 258, 202-206.	4.1	21
61	Reconfigurable computing for Monte Carlo simulations: Results and prospects of the Janus project. European Physical Journal: Special Topics, 2012, 210, 33-51.	2.6	21
62	Performance issues on many-core processors: A D2Q37 Lattice Boltzmann scheme as a test-case. Computers and Fluids, 2013, 88, 743-752.	2.5	21
63	Computing for LQCD: apeNEXT. Computing in Science and Engineering, 2006, 8, 18-29.	1.2	20
64	Benchmarking GPUs with a Parallel Lattice-Boltzmann Code. , 2013, , .		19
65	Energy-Performance Tradeoffs for HPC Applications on Low Power Processors. Lecture Notes in Computer Science, 2015, , 737-748.	1.3	19
66	Design and optimization of a portable LQCD Monte Carlo code using OpenACC. International Journal of Modern Physics C, 2017, 28, 1750063.	1.7	19
67	Roberge-Weiss endpoint and chiral symmetry restoration in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>N</mml:mi></mml:mrow><mml:mrow><mml:mi>f</mml:mi></mm QCD. Physical Review D, 2019, 99, .	4.7	18
68	Autoradiography with silicon strip detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 381, 527-530.	1.6	17
69	Scaling property of turbulent flows. Physical Review E, 1996, 53, R3025-R3027.	2.1	17
70	Optimization of Multi-Phase Compressible Lattice Boltzmann Codes on Massively Parallel Multi-Core Systems. Procedia Computer Science, 2011, 4, 994-1003.	2.0	17
71	Sample-to-sample fluctuations of the overlap distributions in the three-dimensional Edwards-Anderson spin glass. Physical Review B, 2011, 84, .	3.2	17
72	Towards a unified lattice kinetic scheme for relativistic hydrodynamics. Physical Review E, 2017, 95, 053304.	2.1	17

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73	Kinetic approach to relativistic dissipation. Physical Review E, 2017, 96, 023305.	2.1	17
74	Is weak interaction symmetry broken by ordinary colour forces?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 121, 403-409.	4.1	16
75	Perturbative background to Monte Carlo calculations in lattice gauge theories. Nuclear Physics B, 1984, 240, 91-112.	2.5	16
76	QPACE: power-efficient parallel architecture based on IBM PowerXCell 8i. Computer Science - Research and Development, 2010, 25, 149-154.	2.7	15
77	Lattice Boltzmann fluid-dynamics on the QPACE supercomputer. Procedia Computer Science, 2010, 1, 1075-1082.	2.0	15
78	The deconfining phase transition and the glueball channels in pure gauge QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 220, 607-610.	4.1	14
79	A new computation of the correlation length near the deconfining transition in SU(3). Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 224, 333-338.	4.1	14
80	Scaling Behaviour of the Velocity and Temperature Correlation Functions in 3D Convective Turbulence. Europhysics Letters, 1994, 28, 231-236.	2.0	14
81	Spin glass phase in the four-state three-dimensional Potts model. Physical Review B, 2009, 79, .	3.2	14
82	Associative memory design for the fast track processor (FTK) at ATLAS. , 2011, , .		14
83	Portable multi-node LQCD Monte Carlo simulations using OpenACC. International Journal of Modern Physics C, 2018, 29, 1850010.	1.7	14
84	A Portable OpenCL Lattice Boltzmann Code for Multi- and Many-core Processor Architectures. Procedia Computer Science, 2014, 29, 40-49.	2.0	13
85	Temperature chaos is present in off-equilibrium spin-glass dynamics. Communications Physics, 2021, 4, .	5.3	13
86	From APE to APE-100: From 1 to 100 gflops in lattice gauge theory simulations. Computer Physics Communications, 1989, 57, 285-289.	7.5	12
87	A Multi-GPU Implementation of a D2Q37 Lattice Boltzmann Code. Lecture Notes in Computer Science, 2012, , 640-650.	1.3	12
88	On Portability, Performance and Scalability of an MPI OpenCL Lattice Boltzmann Code. Lecture Notes in Computer Science, 2014, , 438-449.	1.3	12
89	Scaling Law Describes the Spin-Glass Response in Theory, Experiments, and Simulations. Physical Review Letters, 2020, 125, 237202.	7.8	12
90	Quantum computation of thermal averages in the presence of a sign problem. Physical Review D, 2020, 101, .	4.7	12

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91	Scaling, asymptotic scaling, and Symanzik improvement: Deconfinement temperature in SU(2) pure gauge theory. Physical Review D, 1994, 49, 511-527.	4.7	11
92	The trigger for K0â†'Ï€0Ï€0 decays of the NA48 experiment at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 485, 676-697.	1.6	11
93	A new variable-resolution Associative Memory for high energy physics. , 2011, , .		11
94	Development of Scientific Software for HPC Architectures Using Open ACC: The Case of LQCD. , 2015, , .		11
95	Software and DVFS Tuning for Performance and Energy-Efficiency on Intel KNL Processors. Journal of Low Power Electronics and Applications, 2018, 8, 18.	2.0	11
96	ThunderX2 Performance and Energy-Efficiency for HPC Workloads. Computation, 2020, 8, 20.	2.0	11
97	Hâˆ'stripping in collisions with low-energypÂ¯andHâˆ'. Physical Review A, 1983, 27, 737-739.	2.5	10
98	Self-scaling properties of velocity circulation in shear flows. Physical Review E, 1997, 55, 3739-3742.	2.1	10
99	The apeNEXT project. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 173-176.	0.4	10
100	Spin-glass dynamics in the presence of a magnetic field: exploration of microscopic properties. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 033301.	2.3	10
101	Experience on Vectorizing Lattice Boltzmann Kernels for Multi- and Many-Core Architectures. Lecture Notes in Computer Science, 2016, , 53-62.	1.3	10
102	Bounds on long-range hadronic interactions. Nuclear Physics B, 1983, 217, 215-247.	2.5	9
103	First Steps in the Silicon Vertex Trigger upgrade at CDF. , 0, , .		9
104	Evolution of a double-front Rayleigh-Taylor system using a graphics-processing-unit-based high-resolution thermal lattice-Boltzmann model. Physical Review E, 2014, 89, 043022.	2.1	9
105	Relativistic dissipation obeys Chapman-Enskog asymptotics: Analytical and numerical evidence as a basis for accurate kinetic simulations. Physical Review E, 2019, 99, 052126.	2.1	9
106	APEmille. Parallel Computing, 1999, 25, 1297-1309.	2.1	8
107	Status of APEmille. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 1043-1045.	0.4	8
108	The AM++ board for the silicon vertex tracker upgrade at CDF. IEEE Transactions on Nuclear Science, 2006, 53, 1726-1731.	2.0	8

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109	On-line tracking processors at hadron colliders: The SVT experience at CDF II and beyond. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 473-475.	1.6	8
110	Critical behavior of three-dimensional disordered Potts models with many states. Journal of Statistical Mechanics: Theory and Experiment, 2010, 2010, P05002.	2.3	8
111	Numerical evidence of electron hydrodynamic whirlpools in graphene samples. Computers and Fluids, 2018, 172, 644-650.	2.5	8
112	Hybrid Monte Carlo algorithm for sampling rare events in space-time histories of stochastic fields. Physical Review E, 2019, 99, 053303.	2.1	8
113	The ape with a small jump. Nuclear Physics, Section B, Proceedings Supplements, 1990, 17, 218-222.	0.4	7
114	The Ape with a small mass. Nuclear Physics, Section B, Proceedings Supplements, 1990, 17, 431-435.	0.4	7
115	An overview of the APEmille parallel computer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 389, 56-58.	1.6	7
116	A 40 MHz pipelined trigger for K/sup 0//spl rarr/2/spl pi//sup 0/ decays for the CERN NA48 experiment. IEEE Transactions on Nuclear Science, 1998, 45, 1771-1775.	2.0	7
117	Universality of anisotropic turbulence. Physica A: Statistical Mechanics and Its Applications, 2004, 338, 194-200.	2.6	7
118	On models of weak interaction symmetry breaking by colour forces. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 132, 347-350.	4.1	6
119	On the energy loss of very-slowly-moving magnetic monopoles. Nuclear Physics B, 1984, 238, 167-180.	2.5	6
120	APE quenched spectrum. Nuclear Physics, Section B, Proceedings Supplements, 1991, 20, 399-405.	0.4	6
121	The PeakSum Processing System for the NA48 experiment: a VLSI based processor. IEEE Transactions on Nuclear Science, 1996, 43, 1789-1794.	2.0	6
122	A high-rate X-Y coincidence VLSI system for 2-D imaging detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 394, 191-198.	1.6	6
123	Microstrip silicon detectors for digital radiography. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 409, 534-536.	1.6	6
124	Status of the apeNEXT project. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 1038-1040.	0.4	6
125	The apeNEXT project. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 176-182.	0.4	6
126	Real time secondary vertexing at CDF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 569, 111-114.	1.6	6

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127	Exploiting parallelism in many-core architectures: Lattice Boltzmann models as a test case. Journal of Physics: Conference Series, 2013, 454, 012015.	0.4	6
128	Optimizing communications in multi-GPU Lattice Boltzmann simulations. , 2015, , .		6
129	Dissipative hydrodynamics of relativistic shock waves in a quark gluon plasma: Comparing and benchmarking alternate numerical methods. Physical Review C, 2020, 101, .	2.9	6
130	A Lattice Boltzmann Method for relativistic rarefied flows in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e672" altimg="si1.svg"><mml:mrow><mml:mo>(</mml:mo><mml:mn>2</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (li dimensions. Journal of Computational Science, 2021, 51, 101320.	2.9	6
131	The new wave of the APE project: APEmille. Nuclear Physics, Section B, Proceedings Supplements, 1995, 42, 17-20.	0.4	5
132	Strategies for dedicated computing for lattice gauge theories. Computer Physics Communications, 2005, 169, 442-448.	7.5	5
133	FTK: a Fast Track Trigger for ATLAS. Journal of Instrumentation, 2012, 7, C10002-C10002.	1.2	5
134	Efficient assignment of the temperature set for Parallel Tempering. Journal of Computational Physics, 2012, 231, 1524-1532.	3.8	5
135	The Janus project: boosting spin-glass simulations using FPGAs. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 227-232.	0.4	5
136	Accelerating Lattice Boltzmann Applications with OpenACC. Lecture Notes in Computer Science, 2015, , 613-624.	1.3	5
137	Monte Carlo Simulations of Spin Systems on Multi-core Processors. Lecture Notes in Computer Science, 2012, , 220-230.	1.3	5
138	An Optimized Lattice Boltzmann Code for BlueGene/Q. Lecture Notes in Computer Science, 2014, , 385-394.	1.3	5
139	A 40 MHz-pipelined trigger for K0â†’2Ï€0 decays for the CERN NA48 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 419, 695-700.	1.6	4
140	LGT simulations on APE machines. Computer Physics Communications, 2001, 139, 55-63.	7.5	4
141	APE computersâ€"past, present and future. Computer Physics Communications, 2002, 147, 402-409.	7.5	4
142	The Fast Track real time processor and its impact on muon isolation, tau and b-jet online selections at ATLAS. , 2010, , .		4
143	Monte Carlo Simulations of Spin Glass Systems on the Cell Broadband Engine. Lecture Notes in Computer Science, 2010, , 467-476.	1.3	4
144	Implementation and optimization of a thermal Lattice Boltzmann algorithm on a multi-GPU cluster. , 2012, , .		4

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145	Early Experience on Using Knights Landing Processors for Lattice Boltzmann Applications. Lecture Notes in Computer Science, 2018, , 519-530.	1.3	4
146	Preliminary results from APE-100. Nuclear Physics, Section B, Proceedings Supplements, 1993, 30, 469-472.	0.4	3
147	Low-noise front-end amplifier and channel encoder for a 2-D X-ray digital imaging system with single photon counting capability. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 460, 213-220.	1.6	3
148	Status of APE projects. Nuclear Physics, Section B, Proceedings Supplements, 2001, 94, 846-853.	0.4	3
149	The AM++ Board for the Silicon Vertex Tracker Upgrade at CDF. , 0, , .		3
150	A VLSI Processor for Fast Track Finding Based on Content Addressable Memories. , 0, , .		3
151	The hardware application platform of the hartes project. , 2008, , .		3
152	Associative memory design for the FastTrack processor (FTK) at ATLAS. , 2010, , .		3
153	Benchmarking MIC architectures with Monte Carlo simulations of spin glass systems. , 2013, , .		3
154	Probing bulk viscosity in relativistic flows. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190409.	3.4	3
155	An FPGA-Based Supercomputer for Statistical Physics: The Weird Case of Janus. , 2013, , 481-506.		3
156	Early Experience on Running OpenStaPLE on DAVIDE. Lecture Notes in Computer Science, 2018, , 387-401.	1.3	3
157	Energy-Efficiency Tuning of a Lattice Boltzmann Simulation Using MERIC. Lecture Notes in Computer Science, 2020, , 169-180.	1.3	3
158	Dedicated computers for LGT. Nuclear Physics, Section B, Proceedings Supplements, 1990, 17, 137-145.	0.4	2
159	PD/sup 3/, a low-noise precise timing analog front-end integrated circuit. , 0, , .		2
160	Self-diagnostic tools of the APEmille parallel machine. IEE Proceedings: Computers and Digital Techniques, 2002, 149, 273.	1.6	2
161	Matched filters for coalescing binaries detection onÂmassivelyÂparallelÂcomputers. Computer Physics Communications, 2003, 152, 295-306.	7.5	2
162	Numerical simulations of Rayleighâ€"Taylor front evolution in turbulent stratified fluids. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2011, 369, 2448-2455.	3.4	2

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163	Computing on Knights and Kepler Architectures. Journal of Physics: Conference Series, 2014, 513, 052032.	0.4	2
164	Early Performance Assessment of the ThunderX2 Processor for Lattice Based Simulations. Lecture Notes in Computer Science, 2020, , 187-198.	1.3	2
165	Scaling behaviour of SU(3) gauge theory. Nuclear Physics B, 1984, 240, 588-604.	2.5	1
166	Contribution of hard QCD interactions to the ppÌ„-pp total inelastic cross-section difference at the CERN ISR energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 153, 322-326.	4.1	1
167	A high performance single chip processing unit for parallel processing and data acquisition systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 324, 543-550.	1.6	1
168	Polyakov loops and finite-size effects of hadron masses in full lattice QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 345, 49-54.	4.1	1
169	Reply to â€˜â€˜Comment on â€˜Extended self-similarity in turbulent flowsâ€™ â€™â€™. Physical Review E, 1995, 51, 2672-2673.	2.1	1
170	A VLSI front-end circuit for microstrip silicon detectors for medical imaging applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 436, 401-414.	1.6	1
171	The apeNEXT project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 90-94.	1.6	1
172	Nonequilibrium spin glass dynamics with Janus. , 2009, , .		1
173	Enhancement of the ATLAS trigger system with a hardware tracker finder FTK. Journal of Instrumentation, 2010, 5, C12037-C12037.	1.2	1
174	Spin Glass Simulations on the Janus Architecture: A Desperate Quest for Strong Scaling. Lecture Notes in Computer Science, 2013, , 528-537.	1.3	1
175	Vacuum fluctuations and impulse approximation in QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 140, 408-412.	4.1	0
176	On the order of the deconfining phase transition in SU(3) LGT. Nuclear Physics, Section B, Proceedings Supplements, 1989, 9, 315-319.	0.4	0
177	Status of quenched QCD on ape computers. Nuclear Physics, Section B, Proceedings Supplements, 1990, 16, 554-556.	0.4	0
178	The SU (2) deconfinement phase transition with zymanzik action. Nuclear Physics, Section B, Proceedings Supplements, 1994, 34, 283-285.	0.4	0
179	Status of APE100 and full QCD simulations. Nuclear Physics, Section B, Proceedings Supplements, 1994, 34, 826-829.	0.4	0
180	apeNEXT: A Multi-TFlops computer for elementary particle physics. Advances in Parallel Computing, 2004, 13, 355-362.	0.3	0

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181	JANUS. , 2008, , .		0
182	Associative memory design for fast tracker at LHC. , 2009, , .		0
183	To implement the LBGK model on parallel system. , 2010, , .		0
184	Front propagation in Rayleigh-Taylor systems with reaction. Journal of Physics: Conference Series, 2011, 318, 092024.	0.4	0
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