

Maciej Malawski

List of Publications by Year in descending order

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Version: 2024-02-01

172
papers

2,988
citations

201385

27
h-index

253896

43
g-index

175
all docs

175
docs citations

175
times ranked

6479
citing authors

#	ARTICLE	IF	CITATIONS
1	Algorithms for cost- and deadline-constrained provisioning for scientific workflow ensembles in IaaS clouds. <i>Future Generation Computer Systems</i> , 2015, 48, 1-18.	4.9	183
2	Cost- and deadline-constrained provisioning for scientific workflow ensembles in IaaS clouds. , 2012, , .		153
3	Serverless execution of scientific workflows: Experiments with HyperFlow, AWS Lambda and Google Cloud Functions. <i>Future Generation Computer Systems</i> , 2020, 110, 502-514.	4.9	99
4	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 75.	1.4	78
5	Cost minimization for computational applications on hybrid cloud infrastructures. <i>Future Generation Computer Systems</i> , 2013, 29, 1786-1794.	4.9	77
6	First measurement of elastic, inelastic and total cross-section at $\sqrt{s}=13$ TeV by TOTEM and overview of cross-section data at LHC energies. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	70
7	Searches for physics beyond the standard model with the M_{T2} variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 3.	1.4	70
8	First determination of the α_s parameter at $\sqrt{s} = 13$ TeV: probing the existence of a colourless C-odd three-gluon compound state. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	69
9	A measurement of the Higgs boson mass in the diphoton decay channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 805, 135425.	1.5	63
10	Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2020, 124, 131802.	2.9	61
11	Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques. <i>Journal of Instrumentation</i> , 2020, 15, P06005-P06005.	0.5	56
12	Performance evaluation of heterogeneous cloud functions. <i>Concurrency Computation Practice and Experience</i> , 2018, 30, e4792.	1.4	51
13	The Collage Authoring Environment. <i>Procedia Computer Science</i> , 2011, 4, 608-617.	1.2	48
14	Pileup mitigation at CMS in 13 TeV data. <i>Journal of Instrumentation</i> , 2020, 15, P09018-P09018.	0.5	47
15	Elastic differential cross-section measurement at $\sqrt{s}=13$ TeV by TOTEM. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	46
16	Measurement of properties of $B_{(s)}$ decays and search for $B_{(s)}$ decays with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	41
17	Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	41
18	Towards a grid management system for HLA-based interactive simulations. , 0, , .		40

#	ARTICLE	IF	CITATIONS
19	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135502.	1.5	40
20	Workflow composer and service registry for grid applications. Future Generation Computer Systems, 2005, 21, 79-86.	4.9	39
21	Measurements of production cross sections of WZ and same-sign WW boson pairs in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	2.9	38
22	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.5	37
23	Storage-aware Algorithms for Scheduling of Workflow Ensembles in Clouds. Journal of Grid Computing, 2016, 14, 359-378.	1.6	37
24	Scheduling Multilevel Deadline-Constrained Scientific Workflows on Clouds Based on Cost Optimization. Scientific Programming, 2015, 2015, 1-13.	2.5	35
25	Energy-Constrained Provisioning for Scientific Workflow Ensembles. , 2013, , .	0.5	31
26	Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer. Journal of High Energy Physics, 2018, 2018, 1.		30
27	Elastic differential cross-section $\frac{d\sigma}{d\Omega}(\theta)$ at $\sqrt{s} = 2.76$ TeV and implications on the existence of a colourless C-odd three-gluon compound state. European Physical Journal C, 2020, 80, 1.	1.6	29
28	Exploratory programming in the virtual laboratory. , 2010, , .	1.4	29
29	Component Approach to Computational Applications on Clouds. Procedia Computer Science, 2011, 4, 432-441.		28
30	Production of Λ_c^+ baryons in proton-proton and lead-lead collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	1.2	28
31	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	1.5	28
32	Measurement of the $Y(1S)$ pair production cross section and search for resonances decaying to $Y(1S)\gamma$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	0.5	27
33	Search for new neutral Higgs bosons through the $h \rightarrow Z\gamma$ process in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.5	27
34	Search for new neutral Higgs bosons through the $h \rightarrow Z\gamma$ process in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	27
35	A Framework for HLA-Based Interactive Simulations on the Grid. Simulation, 2005, 81, 67-76.	1.1	26
36	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	26

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37	Challenges for Scheduling Scientific Workflows on Cloud Functions. , 2018, , .		25
38	Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
39	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
40	How to Use Google App Engine for Free Computing. IEEE Internet Computing, 2013, 17, 50-59.	3.2	24
41	Study of excited Λ_b^0 states decaying to $\Lambda_b^0 \pi^+ \pi^-$ in proton-proton collisions at $s=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135345.	1.5	24
42	Benchmarking Heterogeneous Cloud Functions. Lecture Notes in Computer Science, 2018, , 415-426.	1.0	24
43	Search for a light pseudoscalar Higgs boson in the boosted $\tilde{t} \rightarrow t + \tilde{b} \rightarrow t + b$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	23
44	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s}=13$, {text {TeV}} \sqrt{s} . European Physical Journal C, 2020, 80, 752.	1.4	23
45	Search for direct pair production of supersymmetric partners to the $\tau^+ \tau^-$ lepton in proton-proton collisions at $\sqrt{s}=13$, {text {TeV}} \sqrt{s} . European Physical Journal C, 2020, 80, 189.	1.4	22
46	Observation of a New Excited Beauty Strange Baryon Decaying to $\Lambda_b^0 \pi^+ \pi^-$. Physical Review Letters, 2021, 126, 252003. https://arxiv.org/abs/2104.04811	2.9	22
47	Observation of a New Excited Beauty Strange Baryon Decaying to W Boson and a C -Odd Higgs Boson in Final States with P . Journal of High Energy Physics, 2020, 2020, 1.	2.9	21
48	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	1.6	21
49	Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	2.9	20
50	Search for a light charged Higgs boson in the $H \rightarrow \tau^+ \tau^-$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
51	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
52	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on anomalous quartic couplings. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
53	A search for the standard model Higgs boson decaying to charm quarks. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
54	Prospects for observing an invisibly decaying Higgs boson in the $t \bar{t} H$ production at the LHC. European Physical Journal C, 2003, 29, 541-548.	1.4	18

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55	Semantic Composition of Scientific Workflows Based on the Petri Nets Formalism. , 2006, , .		18
56	Running of the top quark mass from proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135263.	1.5	18
57	Towards the CrossGrid Architecture. Lecture Notes in Computer Science, 2002, , 16-24.	1.0	17
58	Virtual Laboratory for Development and Execution of Biomedical Collaborative Applications. , 2008, , .		16
59	Introducing PRECIP: An API for Managing Repeatable Experiments in the Cloud. , 2013, , .		16
60	A Scalable, Reactive Architecture for Cloud Applications. IEEE Software, 2018, 35, 62-71.	2.1	16
61	Measurement of the $\tau \rightarrow \mu \nu \tau \nu$ branching ratio. Physics Letters B, 2020, 803, 135263.	1.5	16
62	Invocation of operations from script-based Grid applications. Future Generation Computer Systems, 2010, 26, 138-146.	4.9	15
63	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\tau \mu$, and $e \mu$, in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	15
64	Transparent Deployment of Scientific Workflows across Clouds - Kubernetes Approach. , 2018, , .		14
65	Search for electroweak production of a vector-like T quark using fully hadronic final states. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
66	Search for a heavy pseudoscalar Higgs boson decaying into a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
67	Search for a heavy pseudoscalar Higgs boson decaying into a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
68	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV Pb-Pb collisions. European Physical Journal C, 2020, 80, 534.	1.4	14
69	A Community Roadmap for Scientific Workflows Research and Development. , 2021, , .		14
70	Search for a heavy pseudoscalar Higgs boson decaying into a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
71	Quark-like particles in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 202001.	2.9	13
72	Virtual Patients in a Behavioral Medicine Massive Open Online Course (MOOC): A Case-Based Analysis of Technical Capacity and User Navigation Pathways. JMIR Medical Education, 2015, 1, e8.	1.2	13

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73	Component-based approach for programming and running scientific applications on grids and clouds. International Journal of High Performance Computing Applications, 2012, 26, 275-295.	2.4	12
74	Porting HPC applications to the cloud: A multi-frontal solver case study. Journal of Computational Science, 2017, 18, 106-116.	1.5	12
75	Cloud computing infrastructure for the VPH community. Journal of Computational Science, 2018, 24, 169-179.	1.5	12
76	Investigation into the event-activity dependence of $\tilde{t}^*(nS)$ relative production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	12
77	Constraints on the \tilde{t}^* production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2020, 124, 1.	1.6	11
78	Serverless Containers – Rising Viable Approach to Scientific Workflows. , 2021, , .		12
79	Hit-to-lead and lead optimization binding free energy calculations for G protein-coupled receptors. Interface Focus, 2020, 10, 20190128.	1.5	11
80	Search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 101, .	1.6	11
81	<i>In silico</i> Structural Study of Random Amino Acid Sequence Proteins Not Present in Nature. Chemistry and Biodiversity, 2009, 6, 2311-2336.	1.0	10
82	Constructing Workflows from Script Applications. Scientific Programming, 2012, 20, 359-377.	0.5	10
83	HOSTED SCIENCE: MANAGING COMPUTATIONAL WORKFLOWS IN THE CLOUD. Parallel Processing Letters, 2013, 23, 1340004.	0.4	10
84	Execution Management and Efficient Resource Provisioning for Flood Decision Support. Procedia Computer Science, 2015, 51, 2377-2386.	1.2	10
85	Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	10
86	Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, .	1.6	10
87	Search for resonant pair production of Higgs bosons in the $b\bar{b}$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, .	1.6	10
88	Evidence for Wext W production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	10
89	Architecture of the Grid for Interactive Applications. Lecture Notes in Computer Science, 2003, , 207-213.	1.0	10
90	Cost Optimization of Execution of Multi-level Deadline-Constrained Scientific Workflows on Clouds. Lecture Notes in Computer Science, 2014, , 251-260.	1.0	10

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91	Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	9
92	Reconstruction of signal amplitudes in the CMS electromagnetic calorimeter in the presence of overlapping proton-proton interactions. Journal of Instrumentation, 2020, 15, P10002-P10002.	0.5	9
93	Large-scale urban traffic simulation with Scala and high-performance computing system. Journal of Computational Science, 2019, 35, 91-101.	1.5	8
94	Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135609.	1.5	8
95	The CrossGrid Architecture: Applications, Tools, and Grid Services. Lecture Notes in Computer Science, 2004, , 309-316.	1.0	8
96	Smart levee monitoring and flood decision support system: reference architecture and urgent computing management. Procedia Computer Science, 2017, 108, 2220-2229.	1.2	7
97	Study of central exclusive "Equation missing" production in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2020, 80, 718.	1.4	7
98	Evidence for Top Quark Production in Nucleus-Nucleus Collisions. Physical Review Letters, 2020, 125, 222001.	2.9	7
99	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
100	Interoperability of Grid component models: GCM and CCA case study. , 2007, , 95-105.		7
101	MOCCA - Towards a Distributed CCA Framework for Metacomputing. , 0, , .		6
102	Search for dijet resonances using events with three jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135609.	1.5	6
103	Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 041803.	2.9	6
104	Adaptation of Workflow Application Scheduling Algorithm to Serverless Infrastructure. Lecture Notes in Computer Science, 2020, , 345-356.	1.0	6
105	Never born proteins as a test case for ab initio protein structures prediction. Bioinformatics, 2008, 3, 177-179.	0.2	6
106	Evaluation of Cloud Providers for VPH Applications. , 2013, , .		5
107	Support for Taverna workflows in the VPH-Share cloud platform. Computer Methods and Programs in Biomedicine, 2017, 146, 37-46.	2.6	5
108	Measurement of the cross section for $\overline{t}t$ production with additional jets and b jets in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	5

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109	Measurements with silicon photomultipliers of dose-rate effects in the radiation damage of plastic scintillator tiles in the CMS hadron endcap calorimeter. <i>Journal of Instrumentation</i> , 2020, 15, P06009-P06009.	0.5	5
110	Algorithms for scheduling scientific workflows on serverless architecture. , 2021, , .		5
111	High-Level Scripting Approach for Building Component-Based Applications on the Grid. , 2008, , 309-321.		5
112	A Lightweight Approach for Deployment of Scientific Workflows in Cloud Infrastructures. <i>Lecture Notes in Computer Science</i> , 2016, , 281-290.	1.0	5
113	Foundations for Workflow Application Scheduling on D-Wave System. <i>Lecture Notes in Computer Science</i> , 2020, , 516-530.	1.0	5
114	Leveraging Workflows and Clouds for a Multi-frontal Solver for Finite Element Meshes. <i>Procedia Computer Science</i> , 2015, 51, 944-953.	1.2	4
115	Adaptive Multi-level Workflow Scheduling with Uncertain Task Estimates. <i>Lecture Notes in Computer Science</i> , 2016, , 90-100.	1.0	4
116	Topology-aware Job Allocation in 3D Torus-based HPC Systems with Hard Job Priority Constraints. <i>Procedia Computer Science</i> , 2017, 108, 515-524.	1.2	4
117	The production of isolated photons in PbPb and pp collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	4
118	Measurement of $B_c(2S)^+$ and $B_c^*(2S)^+$ cross section ratios in proton-proton collisions at $s=13\hat{\epsilon}\%{\hat{\epsilon}}\%{\text{TeV}}$. <i>Physical Review D</i> , 2020, 102, .	1.6	4
119	Search for supersymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV in events with high-momentum Z bosons and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	4
120	Declarative Big Data Analysis for High-Energy Physics: TOTEM Use Case. <i>Lecture Notes in Computer Science</i> , 2019, , 241-255.	1.0	4
121	Virtual Laboratory for Collaborative Applications. , 2009, , 531-551.		4
122	Large-Scale Scientific Irregular Computing on Clusters and Grids. <i>Lecture Notes in Computer Science</i> , 2002, , 484-493.	1.0	4
123	Execution and Migration Management of HLA-Based Interactive Simulations on the Grid. <i>Lecture Notes in Computer Science</i> , 2004, , 872-879.	1.0	4
124	Grid Service Registry for Workflow Composition Framework. <i>Lecture Notes in Computer Science</i> , 2004, , 34-41.	1.0	4
125	A Tool for Building Collaborative Applications by Invocation of Grid Operations. <i>Lecture Notes in Computer Science</i> , 2008, , 243-252.	1.0	4
126	Tracing of large-scale actor systems. <i>Concurrency Computation Practice and Experience</i> , 2018, 30, e4637.	1.4	3

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127	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P05002-P05002.	0.5	3
128	Cloud Infrastructure Automation for Scientific Workflows. Lecture Notes in Computer Science, 2020, , 287-297.	1.0	3
129	Study of the $\mathcal{B}^0 \rightarrow \mu^+ \mu^- \gamma$ decay in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
130	Component-Based System for Grid Application Workflow Composition. Lecture Notes in Computer Science, 2003, , 611-618.	1.0	3
131	Support for Effective and Fault Tolerant Execution of HLA-Based Applications in the OGSA Framework. Lecture Notes in Computer Science, 2004, , 848-855.	1.0	3
132	Topology-Aware Scheduling on Blue Waters with Proactive Queue Scanning and Migration-Based Job Placement. Lecture Notes in Computer Science, 2017, , 217-231.	1.0	3
133	Visual-Textual Framework for Serverless Computation: A Luna Language Approach. , 2018, , .		2
134	Big Data Tools and Cloud Services for High Energy Physics Analysis in TOTEM Experiment. , 2018, , .		2
135	Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
136	Enabling Remote Method Invocations in Peer-to-Peer Environments: RMIX over JXTA. Lecture Notes in Computer Science, 2006, , 667-674.	1.0	2
137	ViroLab Security and Virtual Organization Infrastructure. Lecture Notes in Computer Science, 2009, , 230-245.	1.0	2
138	Examining Protein Folding Process Simulation and Searching for Common Structure Motifs in a Protein Family as Experiments in the GridSpace2 Virtual Laboratory. Lecture Notes in Computer Science, 2012, , 252-264.	1.0	2
139	Irregular and Out-of-Core Parallel Computing on Clusters. Lecture Notes in Computer Science, 2002, , 299-306.	1.0	2
140	A Grid Service for Management of Multiple HLA Federate Processes. Lecture Notes in Computer Science, 2006, , 699-706.	1.0	2
141	Universal Grid Client: Grid Operation Invoker. , 2008, , 1068-1077.		2
142	CXR-FL: Deep Learning-Based Chest X-ray Image Analysis Using Federated Learning. Lecture Notes in Computer Science, 2022, , 433-440.	1.0	2
143	Providing security for MOCCA component environment. , 2009, , .		1
144	Modeling, Optimization and Performance Evaluation of Scientific Workflows in Clouds. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
145	Reducing Fragmentation on 3D Torus-Based HPC Systems Using Packing-Based Job Scheduling and Job Placement Reconfiguration. , 2017, , .		1
146	Bridging the Gap Between HPC and Cloud Using HyperFlow and PaaSage. Lecture Notes in Computer Science, 2018, , 432-442.	1.0	1
147	Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets. Physical Review Letters, 2019, 123, 241801.	2.9	1
148	Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	1
149	ScienceBox Converging to Kubernetes containers in production for on-premise and hybrid clouds for CERNBox, SWAN, and EOS. EPJ Web of Conferences, 2020, 245, 07047.	0.1	1
150	Advanced Library Support for Irregular and Out-of-Core Parallel Computing. Lecture Notes in Computer Science, 2001, , 435-444.	1.0	1
151	Computations of Protein Hydrophobicity Profile as Virtual Experiment in Gridspace Virtual Laboratory. Bio-Algorithms and Med-Systems, 2012, 8, 361-372.	1.0	1
152	Applying workflows to scientific projects represented in file system directory tree. , 2020, , .		1
153	Improving System Utilization on Wireless HPC Systems with Torus Interconnects. , 2020, , .		1
154	Lhcmaster – A System for Storage and Analysis of Data Coming from the ATLAS Simulations. Lecture Notes in Computer Science, 2004, , 182-190.	1.0	0
155	Grid Support for HLA-Based Collaborative Environment for Vascular Reconstruction. , 2006, , .		0
156	Dedicated IT infrastructure for Smart Levee Monitoring and Flood Decision Support. E3S Web of Conferences, 2016, 7, 14008.	0.2	0
157	Genetic traces of never born proteins. Bio-Algorithms and Med-Systems, 2017, 13, 79-87.	1.0	0
158	Software Development Strategies for High-Energy Physics Simulations Based on Quantum Field Theory. Computing in Science and Engineering, 2020, 22, 86-98.	1.2	0
159	A Runtime Support for Large-Scale Irregular Computing on Clusters and Grids. , 2003, , 30-64.		0
160	Automatic Flow Building for Component Grid Applications. Lecture Notes in Computer Science, 2004, , 804-811.	1.0	0
161	Software Engineering in the EU CrossGrid Project. Lecture Notes in Computer Science, 2004, , 169-178.	1.0	0
162	Grid Architecture for Interactive Applications. Lecture Notes in Computer Science, 2004, , 812-820.	1.0	0

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163	Tools and Services for Interactive Applications on the Grid – The CrossGrid Tutorial. Lecture Notes in Computer Science, 2004, , 14-17.	1.0	0
164	Towards a System-Level Science Support. Lecture Notes in Computer Science, 2008, , 56-65.	1.0	0
165	CompTalks – From a Meta-model Towards a Framework for Application-Level Interaction Protocols. Lecture Notes in Computer Science, 2010, , 278-288.	1.0	0
166	ComputErl – Erlang-Based Framework for Many Task Computing. Lecture Notes in Computer Science, 2011, , 184-197.	1.0	0
167	Flexible and Extendable Mechanism Enabling Secure Access to e-Infrastructures and Storage of Confidential Data for the GridSpace2 Virtual Laboratory. Lecture Notes in Computer Science, 2012, , 89-101.	1.0	0
168	Secure Storage and Processing of Confidential Data on Public Clouds. Lecture Notes in Computer Science, 2014, , 272-282.	1.0	0
169	Distributed Execution of Dynamically Defined Tasks on Microsoft Azure. Lecture Notes in Computer Science, 2016, , 291-301.	1.0	0
170	Model and system for scientific workflows represented in file system directory tree. Future Generation Computer Systems, 2022, 133, 378-394.	4.9	0
171	Support for Scientific Workflows in a Model-Based Cloud Platform. , 2015, , .		0
172	Virtual Laboratory for Collaborative Applications. , 0, , .		0