Maciej Malawski

List of Publications by Year
in descending order

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	Model and system for scientific workflows represented in file system directory tree. Future Generation Computer Systems, 2022, 133, 378-394.	4.9	0
2	CXR-FL: Deep Learning-Based Chest X-ray Image Analysis Using Federated Learning. Lecture Notes in Computer Science, 2022, , 433-440.	1.0	2
3	Algorithms for scheduling scientific workflows on serverless architecture. , 2021, , .		5
4	Observation of a New Excited Beauty Strange Baryon Decaying to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msubsup><mml:mi mathvariant="normal">Îž</mml:mi><mml:mi>b</mml:mi><mml:mo>â^'</mml:mo></mml:msubsup><mml:msup><mml:mi>Ï€</mml:mi> Physical Review Letters, 2021, 126, 252003.	2.9	22
5	Serverless Containers â€“ Rising Viable Approach to Scientific Workflows. , 2021, , .		12
6	A Community Roadmap for Scientific Workflows Research and Development. , 2021, , .		14
7	Serverless execution of scientific workflows: Experiments with HyperFlow, AWS Lambda and Google Cloud Functions. Future Generation Computer Systems, 2020, 110, 502-514.	4.9	99
8	Observation of the Production of Three Massive Gauge Bosons at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>13</mml:mn><mml:mtext>â€‰< Physical Review Letters, 2020, 125, 151802.	2.9	20
9	Measurement of WZ and same-sign WW boson pairs in association with two jets in proton-proton collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msqrt><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:msqrt><mml:mo linebreak="goodbreak" linebreakstyle="after">=</mml:mo><mml:mn>13</mml:mn><mml:mspace width="0.2em" /><mml:mtext>TeV</mml:mtext></mml:math>. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135609.	1.5	37
10	The production of isolated photons in PbPb and pp collisions at $$ sqrt{s_{mathrm{NN}}} $$ = 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
11	Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msqrt><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:msqrt><mml:mo linebreak="goodbreak" linebreakstyle="after">=</mml:mo><mml:mn>13</mml:mn><mml:mtext>ÂTeV</mml:mtext></mml:math>. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135609.	1.5	8
12	Investigation into the event-activity dependence of Ï(nS) relative production in proton-proton collisions at $$ sqrt{s} $$ = 7 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	12
13	Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>W</mml:mi><mml:mo>+</mml:mo></mml:msup><mml:msup><mml:mi>W</mml:mi><mml:mi>-</mml:mi></mml:msup></mml:math> boson pair production in proton-proton collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>13</mml:mn><mml:mtext>â€‰< Physical Review D, 2020, 102, .	1.6	13
14	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
15	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
16	Measurement of properties of $$ {mathrm{B}}_{mathrm{s}}^0 $$â†' Î¼+Î¼â^' decays and search for B0â†' Î¼+Î¼â^' with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	1.6	41
17	Search for a light pseudoscalar Higgs boson in the boosted Î¼Î¼Ï„Ï„ final state in proton-proton collisions at $$ sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	23
18	Measurements of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>t</mml:mi><mml:mover accent="true"><mml:mrow><mml:mi>t</mml:mi></mml:mrow><mml:mrow><mml:mo stretchy="false">Â¯</mml:mo></mml:mrow></mml:mover><mml:mi>H</mml:mi></mml:mrow></mml:math> Production and the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:math> Structure of the Yukawa Intera	2.9	38

#	Article	IF	Citations
19	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at âˆšs = 13 TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	0.5	27
20	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
21	Measurement of the cross section for $$ mathrm{t}overline{mathrm{t}} $$ 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
22	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. Journal of High Energy Physics, 2020, 2020, 1.	1.6	41
23	Measurement of the Υ(1S) pair production cross section and search for resonances decaying to Υ(1S)Î¼+Î¼â^ in proton-proton collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msqrt><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:msqrt><mml:mo linebreak="goodbreak" linebreakstyle="after">=</mml:mo><mml:mn>13</mml:mn><mml:mspace width="0.25em" /><mml:mtext>TeV</mml:mtext></mml:math>. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135578.	1.5	27
24	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.	1.6	37
25	Calibration of the CMS hadron calorimeters using proton-proton collision data at âˆšs = 13 TeV. Journal of Instrumentation, 2020, 15, P05002-P05002.	0.5	3
26	Hit-to-lead and lead optimization binding free energy calculations for G protein-coupled receptors. Interface Focus, 2020, 10, 20190128.	1.5	11
27	Search for supersymmetry in pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:msqrt><mml:mo>=</mml:mo><mml:m with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	1.6	11
28	Measurement of the Jet Mass Distribution and Top Quark Mass in Hadronic Decays of Boosted Top Quarks in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:mrow></mml:math> Collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:msqrt><mml:mo>=</mml:mo><mm	2.9	13
29	Measurement of the inclusive and differential tt̄γ cross sections in the dilepton channel and effective field theory interpretation in proton-proton collisions at $$sqrt{s} = 13,text {TeV}$$. Journal of High Energy Physics, 2020, 2020, 1.	2.9	14
30	Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at s=13â€‰â€‰TeV. Physical Review D, 2020, 102, .	1.6	10
31	Study of central exclusive "Equation missing" <!-- No EquationSource Format="TEX", only image --> production in proton-proton collisions at $$sqrt{s} = 5.02$$ and 13TeV. European Physical Journal C, 2020, 80, 718.	1.4	7
32	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 $$sqrt{s}=13,{ext {TeV}} $$. European Physical Journal C, 2020, 80, 752.	1.4	23
33	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
34	Pileup mitigation at CMS in 13 TeV data. Journal of Instrumentation, 2020, 15, P09018-P09018.	0.5	47
35	Measurement of Bc(2S)+ and Bc*(2S)+ cross section ratios in proton-proton collisions at s=13â€‰â€‰TeV. Physical Review D, 2020, 102, .	1.6	4
36	Evidence for Top Quark Production in Nucleus-Nucleus Collisions. Physical Review Letters, 2020, 125, 222001.	2.9	7

#	Article	IF	Citations
37	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
38	Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques. Journal of Instrumentation, 2020, 15, P06005-P06005.	0.5	56
39	Measurements with silicon photomultipliers of dose-rate effects in the radiation damage of plastic scintillator tiles in the CMS hadron endcap calorimeter. Journal of Instrumentation, 2020, 15, P06009-P06009.	0.5	5
40	Search for supersymmetry in proton-proton collisions at $$ sqrt{s} $$ = 13 TeV in events with high-momentum Z bosons and missing transverse momentum. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
41	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
42	Search for resonant pair production of Higgs bosons in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>b</mml:mi><mml:mi>b</mml:mi><mml:mi>Z</mml:mi><mml:mi>Z</mml:mi></mml:math> channel in proton-proton collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>13</mml:mn><mml:mtext>â€‰</	1.6	10
43	<mml:msup><mml:mi>H</mml:mi><mml:mo>Â±</mml:mo></mml:msup><mml:mo stretchy="false">â†’</mml:mo><mml:mi>c</mml:mi><mml:mi>s</mml:mi></mml:math> channel in proton-proton collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>13</mml:mn><mml:mtext>â€‰</	1.6	20
44	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $$ sqrt{mathrm{s}} $$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
45	Running of the top quark mass from proton-proton collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msqrt><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:msqrt><mml:mo linebreak="goodbreak" linebreakstyle="after">=</mml:mo><mml:mn>13</mml:mn><mml:mspace	1.5	18
46	Search for dijet resonances using events with three jets in proton-proton collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msqrt><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:msqrt><mml:mo linebreak="goodbreak" linebreakstyle="after">=</mml:mo><mml:mn>13</mml:mn><mml:mspace width="0.25em" /><mml:mtext>TeV</mml:mtext></mml:math>. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135448.	1.5	6
47	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
48	Search for disappearing tracks in proton-proton collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msqrt><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:msqrt><mml:mo linebreak="goodbreak" linebreakstyle="after">=</mml:mo><mml:mn>13</mml:mn><mml:mspace width="0.2em" /><mml:mtext>TeV</mml:mtext></mml:math>. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135502.	1.5	40
49	Search for new neutral Higgs bosons through the $$ mathrm{H}o mathrm{ZA}o {ell}^{+}{ell}^{-}mathrm{b}overline{mathrm{b}} $$ process in pp collisions at $$ sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	27
50	Search for direct pair production of supersymmetric partners to the $${uptau }_{}^{}$$ lepton in protonâ€“proton collisions at $$sqrt{s}=13,ext {TeV} $$. European Physical Journal C, 2020, 80, 189.	1.4	22
51	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
52	Elastic differential cross-section $${mathrm{d}}sigma /{mathrm{d}}t$$ at $$sqrt{s}=2.76hbox { TeV}$$ and implications on the existence of a colourless C-odd three-gluon compound state. European Physical Journal C, 2020, 80, 1.	1.4	29
53	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in $$mathrm {PbPb}$$ collisions at $$sqrt{smash [b]{s_{_{mathrm {NN}}}}} = 2.76$$ and 5.02$$,ext {TeV}$$. European Physical Journal C, 2020, 80, 534.	1.4	14
54	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at $$ sqrt{mathrm{s}} $$ = 13 TeV and constraints on anomalous quartic couplings. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20

#	ARTICLE	IF	CITATIONS
55	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
56	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
57	Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ï„</mml:mi></mml:math> Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:msqrt><mml:mo>=</mml:mo><m Physical Review Letters, 2020, 124, 041803.	2.9	6
58	Evidence for $$ext {W}ext {W}$$ production from double-parton interactions in protonâ€“proton collisions at $$sqrt{s} = 13 ,ext {TeV} $$. European Physical Journal C, 2020, 80, 1.	1.4	10
59	Search for production of four top quarks in final states with same-sign or multiple leptons in protonâ€“proton collisions at $$sqrt{s}=13$$ $$,ext {TeV}$$. European Physical Journal C, 2020, 80, 75.	1.4	78
60	Searches for physics beyond the standard model with the $$M_{mathrm {T2}}$$ variable in hadronic final states with and without disappearing tracks in protonâ€“proton collisions at $$sqrt{s}=13,ext {Te}ext {V} $$. European Physical Journal C, 2020, 80, 3.	1.4	70
61	[illegible] w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Ï‡</mml:mi><mml:mrow><mml:mi>c</mml:mi><mml:mn>1</mml:mn></mml:mrow></mml:msu versus <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Ï‡</mml:mi><mml:mrow><mml:mi>c</mml:mi><mml:mn>2</mml:mn></mml:mrow></mml:msu Polarizations in Proton-Proton Collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline. Physical Review Letters, 2020, 124, 1.	2.9	12
62	Search for lepton flavour violating decays of a neutral heavy Higgs boson to Î¼Ï„ and eÏ„ in proton-proton collisions at $$ sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	15
63	A search for the standard model Higgs boson decaying to charm quarks. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
64	Search for a Narrow Resonance Lighter than 200ÂGeV Decaying to a Pair of Muons in Proton-Proton Collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:msqrt><mml:mo>=</mml:mo><mm Physical Review Letters, 2020, 124, 131802.	2.9	61
65	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
66	Study of excited Î›b0 states decaying to Î›b0Ï€+Ï€âˆ' in proton-proton collisions at s=13TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135345.	1.5	24
67	A measurement of the Higgs boson mass in the diphoton decay channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135425.	1.5	63
68	Production of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msubsup><mml:mrow><mml:mi mathvariant="normal">Î›</mml:mi></mml:mrow><mml:mrow><mml:mi mathvariant="normal">c</mml:mi></mml:mrow><mml:mrow><mml:mo linebreak="badbreak" linebreakstyle="after">+</mml:mo></mml:mrow></mml:msubsup></mml:math> baryons in [illegible]	1.5	28
69	[illegible] altimg="si1.svg"><mml:mi mathvariant="normal">t</mml:mi><mml:mover accent="true"><mml:mrow><mml:mi mathvariant="normal">t</mml:mi></mml:mrow><mml:mo>â€¾</mml:mo></mml:mover><mml:mi mathvariant="normal">b</mml:mi><mml:mover accent="true"><mml:mrow><mml:mi mathvariant="normal">b</mml:mi></mml:mrow><mml:mo>â€¾</mml:mo></mml:mover></mml:math> produ	1.5	16
70	Cloud Infrastructure Automation for Scientific Workflows. Lecture Notes in Computer Science, 2020, , 287-297.	1.0	3
71	Adaptation of Workflow Application Scheduling Algorithm to Serverless Infrastructure. Lecture Notes in Computer Science, 2020, , 345-356.	1.0	6
72	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $$ sqrt{mathrm{s}} $$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	26

#	Article	IF	Citations
73	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
74	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
75	Foundations for Workflow Application Scheduling on D-Wave System. Lecture Notes in Computer Science, 2020, , 516-530.	1.0	5
76	Applying workflows to scientific projects represented in file system directory tree. , 2020, , .		1
77	Improving System Utilization on Wireless HPC Systems with Torus Interconnects. , 2020, , .		1
78	Large-scale urban traffic simulation with Scala and high-performance computing system. Journal of Computational Science, 2019, 35, 91-101.	1.5	8
79	Elastic differential cross-section measurement at $$sqrt{s}=13$$ÂTeV by TOTEM. European Physical Journal C, 2019, 79, 1.	1.4	46
80	Search for a Light Charged Higgs Boson Decaying to a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>W</mml:mi></mml:math> Boson and a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:math> -Odd Higgs Boson in Final States with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>e	2.9	21
81	First determination of the $${ho }$$ parameter at $${sqrt{s} = 13}$$ TeV: probing the existence of a colourless C-odd three-gluon compound state. European Physical Journal C, 2019, 79, 1.	1.4	69
82	First measurement of elastic, inelastic and total cross-section at $$sqrt{s}=13$$ s = 13 ÂTeV by TOTEM and overview of cross-section data at LHC energies. European Physical Journal C, 2019, 79, 1.	1.4	70
83	Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets. Physical Review Letters, 2019, 123, 241801.	2.9	1
84	Declarative Big Data Analysis for High-Energy Physics: TOTEM Use Case. Lecture Notes in Computer Science, 2019, , 241-255.	1.0	4
85	Study of the $$ {mathrm{B}}^{+}o mathrm{J}/uppsi overline{Lambda}mathrm{p} $$ decay in proton-proton collisions at $$ sqrt{s} $$ = 8 TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
86	Bridging the Gap Between HPC and Cloud Using HyperFlow and PaaSage. Lecture Notes in Computer Science, 2018, , 432-442.	1.0	1
87	Cloud computing infrastructure for the VPH community. Journal of Computational Science, 2018, 24, 169-179.	1.5	12
88	A Scalable, Reactive Architecture for Cloud Applications. IEEE Software, 2018, 35, 62-71.	2.1	16
89	Visual-Textual Framework for Serverless Computation: A Luna Language Approach. , 2018, , .		2
90	Big Data Tools and Cloud Services for High Energy Physics Analysis in TOTEM Experiment. , 2018, , .		2

#	Article	IF	Citations
91	Transparent Deployment of Scientific Workflows across Clouds - Kubernetes Approach. , 2018, , .		14
92	Challenges for Scheduling Scientific Workflows on Cloud Functions. , 2018, , .		25
93	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.	1.6	29
94	Tracing of largeâ€scale actor systems. Concurrency Computation Practice and Experience, 2018, 30, e4637.	1.4	3
95	Performance evaluation of heterogeneous cloud functions. Concurrency Computation Practice and Experience, 2018, 30, e4792.	1.4	51
96	Benchmarking Heterogeneous Cloud Functions. Lecture Notes in Computer Science, 2018, , 415-426.	1.0	24
97	Genetic traces of never born proteins. Bio-Algorithms and Med-Systems, 2017, 13, 79-87.	1.0	0
98	Smart levee monitoring and flood decision support system: reference architecture and urgent computing management. Procedia Computer Science, 2017, 108, 2220-2229.	1.2	7
99	Topology-aware Job Allocation in 3D Torus-based HPC Systems with Hard Job Priority Constraints. Procedia Computer Science, 2017, 108, 515-524.	1.2	4
100	Support for Taverna workflows in the VPH-Share cloud platform. Computer Methods and Programs in Biomedicine, 2017, 146, 37-46.	2.6	5
101	Porting HPC applications to the cloud: A multi-frontal solver case study. Journal of Computational Science, 2017, 18, 106-116.	1.5	12
102	Reducing Fragmentation on 3D Torus-Based HPC Systems Using Packing-Based Job Scheduling and Job Placement Reconfiguration. , 2017, , .		1
103	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
104	Dedicated IT infrastructure for Smart Levee Monitoring and Flood Decision Support. E3S Web of Conferences, 2016, 7, 14008.	0.2	0
105	Adaptive Multi-level Workflow Scheduling with Uncertain Task Estimates. Lecture Notes in Computer Science, 2016, , 90-100.	1.0	4
106	Storage-aware Algorithms for Scheduling of Workflow Ensembles in Clouds. Journal of Grid Computing, 2016, 14, 359-378.	2.5	35
107	A Lightweight Approach for Deployment of Scientific Workflows in Cloud Infrastructures. Lecture Notes in Computer Science, 2016, , 281-290.	1.0	5
108	Distributed Execution of Dynamically Defined Tasks on Microsoft Azure. Lecture Notes in Computer Science, 2016, , 291-301.	1.0	0

#	Article	IF	Citations
109	Scheduling Multilevel Deadline-Constrained Scientific Workflows on Clouds Based on Cost Optimization. Scientific Programming, 2015, 2015, 1-13.	0.5	31
110	Algorithms for cost- and deadline-constrained provisioning for scientific workflow ensembles in IaaS clouds. Future Generation Computer Systems, 2015, 48, 1-18.	4.9	183
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