

Philippe Lebrun

List of Publications by Citations

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57
papers

907
citations

11
h-index

29
g-index

61
ext. papers

1,282
ext. citations

1.7
avg, IF

2.53
L-index

#	Paper	IF	Citations
57	FCC-hh: The Hadron Collider. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 755-1107	2.3	196
56	FCC-ee: The Lepton Collider. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 261-623	2.3	193
55	FCC Physics Opportunities. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	174
54	HE-LHC: The High-Energy Large Hadron Collider. <i>European Physical Journal: Special Topics</i> , 2019 , 228, 1109-1382	2.3	72
53	Superfluid helium cryogenics for the large hadron collider project at CERN. <i>Cryogenics</i> , 1994 , 34, 1-8	1.8	28
52	Cryogenics for the Large Hadron Collider. <i>IEEE Transactions on Applied Superconductivity</i> , 2000 , 10, 1500-1806	2.2	
51	Thermohydraulics of quenches and helium recovery in the LHC prototype magnet strings. <i>Cryogenics</i> , 1998 , 38, 533-543	1.8	16
50	Design concept and first experimental validation of the superfluid helium system for the Large Hadron Collider (LHC) project at CERN. <i>Cryogenics</i> , 1992 , 32, 118-121	1.8	14
49	A Superconducting High-Luminosity Insertion in the Intersecting Storage Rings (ISR). <i>IEEE Transactions on Nuclear Science</i> , 1979 , 26, 3179-3181	1.7	14
48	Superconducting instrumentation for high Reynolds turbulence experiments with low temperature gaseous helium. <i>Physica C: Superconductivity and Its Applications</i> , 2003 , 386, 512-516	1.3	12
47	Design of LHC prototype dipole cryostats. <i>Cryogenics</i> , 1992 , 32, 191-194	1.8	12
46	Pressure drop and transient heat transport in forced flow single phase helium II at high Reynoldsnumbers. <i>Cryogenics</i> , 1994 , 34, 317-320	1.8	11
45	Cooling Strings of Superconducting Devices Below 2 K: The Helium II Bayonet Heat Exchanger 1998 , 419-426		11
44	Beyond the Large Hadron Collider: A First Look at Cryogenics for CERN Future Circular Colliders. <i>Physics Procedia</i> , 2015 , 67, 768-775		8
43	Precision heat inleak measurements on cryogenic components at 80 K, 4.2 K and 1.8 K. <i>Cryogenics</i> , 1992 , 32, 215-218	1.8	8
42	The Superfluid Helium Model Cryoloop for the CERN Large Hadron Collider (LHC) 1994 , 649-656		8
41	A Simplified Cryogenic Distribution Scheme for the Large Hadron Collider 1998 , 395-402		8

40	The Superfluid Helium Cryogenic System for the LHC Test String: Design, Construction and First Operation. <i>Advances in Cryogenic Engineering</i> , 1996 , 777-784		7
39	The Eight Superconducting Quadrupoles for the ISR High-Luminosity Insertion. <i>Exs</i> , 1980 , 848-852		7
38	Economics of Large Helium Cryogenic Systems: Experience from Recent Projects at CERN 2000 , 1301-1308		7
37	A full-scale thermal model of a prototype dipole cryomagnet for the CERN LHC project. <i>Cryogenics</i> , 1994 , 34, 693-696	1.8	6
36	Investigation of quench pressure transients in the LHC superconducting magnets. <i>Cryogenics</i> , 1994 , 34, 705-708	1.8	6
35	Operational Experience with the Superconducting High-Luminosity Insertion in the CERN Intersecting Storage Rings (ISR). <i>IEEE Transactions on Nuclear Science</i> , 1983 , 30, 2036-2038	1.7	6
34	Cryogenic benches for superfluid helium testing of full-scale prototype superconducting magnets for the CERN LHC project. <i>Cryogenics</i> , 1994 , 34, 733-736	1.8	5
33	. <i>IEEE Transactions on Magnetics</i> , 1988 , 24, 1361-1364	2	5
32	Operation of a forced flow superfluid helium test facility and first results. <i>Cryogenics</i> , 1992 , 32, 134-137	1.8	4
31	Long flexible transfer lines for gaseous and liquid helium. <i>Cryogenics</i> , 1978 , 18, 659-662	1.8	4
30	Cryogenics for high-energy particle accelerators: highlights from the first fifty years. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 171, 012001	0.4	3
29	EXERGY ANALYSIS OF THE CRYOGENIC HELIUM DISTRIBUTION SYSTEM FOR THE LARGE HADRON COLLIDER (LHC) 2010 ,		3
28	. <i>IEEE Transactions on Magnetics</i> , 1994 , 30, 2138-2141	2	3
27	Design and construction of a static magnetic refrigerator operating between 1.8 K and 4.5 K. <i>Cryogenics</i> , 1994 , 34, 227-230	1.8	3
26	Measurement and Analysis of Thermal Performance of LHC Prototype Cryostats. <i>Advances in Cryogenic Engineering</i> , 1996 , 785-792		3
25	Conclusions from Procuring, Installing and Commissioning Six Large-Scale Helium Refrigerators at CERN. <i>Advances in Cryogenic Engineering</i> , 1996 , 761-768		3
24	A cryogenic high-Reynolds turbulence experiment at CERN. <i>AIP Conference Proceedings</i> , 2002 ,	0	2
23	. <i>IEEE Transactions on Applied Superconductivity</i> , 1993 , 3, 777-780	1.8	2

22	CONCEPTUAL STUDY OF THE SUPERFLUID HELIUM CRYOGENIC SYSTEM FOR THE CERN LARGE HADRON COLLIDER (LHC) 1988 , 497-504		2
21	Cryogenic operation and testing of the extended LHC Prototype Magnet String 1997 , 91-94		2
20	Upgrade of the CERN Cryogenic Station for Superfluid Helium Testing of Prototype LHC Superconducting Magnets 1997 , 199-202		2
19	Modular Thermostatic Vapour-Cooled Current Leads for Cryogenic Service 1984 , 199-206		2
18	Experimental Investigation of Accidental Loss of Insulation Vacuum in an LHC Prototype Dipole Cryostat. <i>Advances in Cryogenic Engineering</i> , 1996 , 799-804		2
17	Cryogenic Infrastructure for Superfluid Helium Testing of LHC Prototype Superconducting Magnets 1994 , 641-648		2
16	Demands in Refrigeration Capacity for the Large Hadron Collider 1997 , 95-98		1
15	DESIGN, TEST AND PERFORMANCE OF THE LIQUID HELIUM CRYOSTATS FOR THE LEP SUPERCONDUCTING QUADRUPOLE MAGNETS 1988 , 112-116		1
14	Application of Liquid-Helium Cryoplants at CERN 1994 , 539-546		1
13	Comparison of Floating and Thermalized Multilayer Insulation Systems at Low Boundary Temperature 1997 , 443-446		1
12	The Helium Cryogenic System for the Superconducting High-Luminosity Insertion at the CERN-ISR 1984 , 359-367		1
11	Preliminary Risk Analysis of the LHC Cryogenic System 2000 , 1309-1316		1
10	Twenty-Three Kilometres of Superfluid Helium Cryostats for the Superconducting Magnets of the Large Hadron Collider (LHC). <i>The International Cryogenics Monograph Series</i> , 2016 , 67-94	o	o
9	Operational Experience with a Cryogenic Axial-Centrifugal Compressor 1998 , 637-641		o
8	Cryogenic Design of the Stochastic Cooling Pick-Ups for the Cern Antiproton Collector (ACOL) 1986 , 543-550		o
7	A Cryogenic Axial-Centrifugal Compressor for Superfluid Helium Refrigeration 1997 , 195-198		
6	Localization of small leaks on the helium vessel of a cryostat. <i>Cryogenics</i> , 1980 , 20, 482-483		1.8
5	Detection of heat inleaks in cryogenic enclosures by infrared thermal imaging. <i>Cryogenics</i> , 1982 , 22, 619-684		

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3 Cryogénie, supraconductivité et accélérateurs de particules : 50 ans de développements croisés **2017**, 20-26 O.1

2 8.3 Cryogenics **2013**, 250-264

1 Quantum fluids at work: Superconductivity and superfluid helium at the large hadron collider. *Europhysics News*, **2022**, 53, 28-32 O.2