

# I Catarino

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19  
papers

150  
citations

8  
h-index

11  
g-index

19  
ext. papers

161  
ext. citations

2.4  
avg, IF

2.26  
L-index

#	Paper	IF	Citations
19	Neon gas-gap heat switch. <i>Cryogenics</i> , <b>2008</b> , 48, 17-25	1.8	39
18	<sup>3</sup> He gas gap heat switch. <i>Cryogenics</i> , <b>2011</b> , 51, 45-48	1.8	17
17	Gas gap thermal switches using neon or hydrogen and sorption pump. <i>Vacuum</i> , <b>2009</b> , 83, 1270-1273	3.7	16
16	Narrow gas gap in cryogenic heat switch. <i>Applied Thermal Engineering</i> , <b>2014</b> , 70, 115-121	5.8	12
15	Liquid nitrogen energy storage unit. <i>Cryogenics</i> , <b>2011</b> , 51, 621-629	1.8	9
14	20 K Energy storage unit. <i>Cryogenics</i> , <b>2009</b> , 49, 326-333	1.8	9
13	6K solid state Energy Storage Unit. <i>Cryogenics</i> , <b>2010</b> , 50, 102-110	1.8	9
12	A simple calorimeter for fast adiabatic heat capacity measurements from 15 to 300 K based on closed cycle cryocooler. <i>Cryogenics</i> , <b>2000</b> , 40, 425-430	1.8	8
11	Building a Thinner Gap in a Gas-Gap Heat Switch. <i>Physics Procedia</i> , <b>2015</b> , 67, 1117-1122		6
10	Sorption characterization and actuation of a gas-gap heat switch. <i>Sensors and Actuators A: Physical</i> , <b>2011</b> , 171, 324-331	3.9	5
9	40 K Liquid Neon Energy Storage Unit. <i>Physics Procedia</i> , <b>2015</b> , 67, 1193-1198		4
8	CUSTOMIZABLE GAS-GAP HEAT SWITCH <b>2010</b> ,		4
7	Magnetic properties of UFe <sub>5</sub> Sn single crystals. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2003</b> , 260, 473-479	2.8	3
6	Liquid gas cryogenic energy storage units operating at constant temperature. <i>Applied Thermal Engineering</i> , <b>2016</b> , 95, 178-185	5.8	2
5	Materials for damping the PTC-induced thermal fluctuations of the cold-head. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 102, 012014	0.4	2
4	Energy storage unit: Solid state demonstrators at 20K and 6K. <i>Cryogenics</i> , <b>2010</b> , 50, 522-528	1.8	2
3	15 K liquid hydrogen thermal Energy Storage Unit for future ESA science missions. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 101, 012191	0.4	1

2	Gas gap heat switch for a cryogen-free magnet system. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2015</b> , 101, 012144	0.4	1
1	Simple specific heat apparatus based on Gifford-Mac Mahon cryocooler. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 284-288, 2020-2021	2.8	1