

Isabel Catarino

List of Publications by Year in descending order

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34
papers

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citations

933264

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839398

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34
all docs

34
docs citations

34
times ranked

256
citing authors

#	ARTICLE	IF	CITATIONS
1	Eco-innovation in the cleaning process: An application of dry ice blasting in automotive painting industry. <i>Journal of Cleaner Production</i> , 2020, 272, 122987.	4.6	14
2	Numerical and Experimental Analysis of an Inductive Type Fault Current Limiter Using Short-Circuited 2G Tape. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, , 1-1.	1.1	4
3	Thermodynamic analysis for working fluids comparison in Rankine-type cycles exploiting the cryogenic exergy in Liquefied Natural Gas (LNG) regasification. <i>Applied Thermal Engineering</i> , 2017, 121, 887-896.	3.0	55
4	Structural Transitions in the MIL-53(Al) Metal-Organic Framework upon Cryogenic Hydrogen Adsorption. <i>Journal of Physical Chemistry C</i> , 2017, 121, 24252-24263.	1.5	17
5	Feasibility study of parallel conduction cooling of NbTi magnet and sample probe in a cryogen-free magnet system. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 171, 012127.	0.3	0
6	Liquid-gas cryogenic energy storage units operating at constant temperature. <i>Applied Thermal Engineering</i> , 2016, 95, 178-185.	3.0	3
7	Building a Thinner Gap in a Gas-Gap Heat Switch. <i>Physics Procedia</i> , 2015, 67, 1117-1122.	1.2	9
8	15 K liquid hydrogen thermal Energy Storage Unit for future ESA science missions. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 101, 012191.	0.3	1
9	Gas gap heat switch for a cryogen-free magnet system. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 101, 012144.	0.3	2
10	Materials for damping the PTC-induced thermal fluctuations of the cold-head. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 102, 012014.	0.3	2
11	40 K Liquid Neon Energy Storage Unit. <i>Physics Procedia</i> , 2015, 67, 1193-1198.	1.2	4
12	Narrow gas gap in cryogenic heat switch. <i>Applied Thermal Engineering</i> , 2014, 70, 115-121.	3.0	15
13	Sorption characterization and actuation of a gas-gap heat switch. <i>Sensors and Actuators A: Physical</i> , 2011, 171, 324-331.	2.0	9
14	Liquid nitrogen energy storage unit. <i>Cryogenics</i> , 2011, 51, 621-629.	0.9	9
15	³ He gas gap heat switch. <i>Cryogenics</i> , 2011, 51, 45-48.	0.9	20
16	Single-crystal study on the heavy-fermion antiferromagnet UZn ₁₂ . <i>Journal of Physics Condensed Matter</i> , 2011, 23, 045602.	0.7	1
17	6K solid state Energy Storage Unit. <i>Cryogenics</i> , 2010, 50, 102-110.	0.9	11
18	Energy storage unit: Solid state demonstrators at 20K and 6K. <i>Cryogenics</i> , 2010, 50, 522-528.	0.9	2

#	ARTICLE	IF	CITATIONS
19	CUSTOMIZABLE GAS-GAP HEAT SWITCH. AIP Conference Proceedings, 2010, , .	0.3	5
20	Gas gap thermal switches using neon or hydrogen and sorption pump. Vacuum, 2009, 83, 1270-1273.	1.6	18
21	20K Energy storage unit. Cryogenics, 2009, 49, 326-333.	0.9	10
22	Neon gas-gap heat switch. Cryogenics, 2008, 48, 17-25.	0.9	45
23	Magnetic field dependence of the non-Fermi-liquid state in ferromagnetic CePd _{1-x} Nix. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 207-208.	1.0	0
24	The CAMCAO infrared camera. , 2004, 5492, 1699.		5
25	Magnetic properties of UFe ₅ Sn single crystals. Journal of Magnetism and Magnetic Materials, 2003, 260, 473-479.	1.0	4
26	The effect of Th substitution for U in the heavy fermion U ₂ Pt ₂ In. Journal of Alloys and Compounds, 2001, 317-318, 419-422.	2.8	1
27	Magnetism of the series UFe _x Al _{12-x} . Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1120-1122.	1.0	3
28	Non-Fermi-liquid behaviour of the (U _{1-x} Th) ₂ Pt ₂ In solid solutions. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 92-94.	1.0	1
29	A simple calorimeter for fast adiabatic heat capacity measurements from 15 to 300 K based on closed cycle cryocooler. Cryogenics, 2000, 40, 425-430.	0.9	9
30	Evolution of magnetism in the UFe _x Al _{12-x} intermetallic series. Physica B: Condensed Matter, 2000, 284-288, 1339-1340.	1.3	7
31	Simple specific heat apparatus based on Gifford-Mac Mahon cryocooler. Physica B: Condensed Matter, 2000, 284-288, 2020-2021.	1.3	1
32	A Study of the Thermal Decomposition of Azidoacetone by Photoelectron and Matrix Isolation Spectroscopy. Journal of Physical Chemistry A, 1999, 103, 8239-8245.	1.1	43
33	Ab initio and density functional study of azidoacetone. Computational and Theoretical Chemistry, 1997, 397, 223-230.	1.5	5
34	Wien-filtered Cs ⁺ beam for SIMS: source description. Applied Surface Science, 1993, 70-71, 291-294.	3.1	3