

Monika L Lewandowska

List of Publications by Year in Descending Order

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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.

51
papers

537
citations

13
h-index

21
g-index

52
ext. papers

586
ext. citations

2.3
avg, IF

4.12
L-index

#	Paper	IF	Citations
51	Parametric study and optimization of the cryo-magnetic system for EU DEMO at the pre-conceptual design phase. <i>Cryogenics</i> , 2022 , 103475	1.8	0
50	Friction factor of a forced-flow cooled HTS subsize-conductor for fusion magnets. <i>Cryogenics</i> , 2022 , 103474	1.8	0
49	Design and optimization of the secondary circuit for the WCLL BB option of the EU-DEMO power plant. <i>Fusion Engineering and Design</i> , 2021 , 169, 112642	1.7	1
48	Thermal-hydraulic analysis of the DEMO CS coil designed by CEA. <i>Fusion Engineering and Design</i> , 2021 , 171, 112557	1.7	2
47	Design and analysis of the secondary circuit of the DEMO fusion power plant for the HCPB BB option without the energy storage system and with the auxiliary boiler. <i>Fusion Engineering and Design</i> , 2020 , 160, 112003	1.7	5
46	Hydraulic characterization of conductor prototypes for fusion magnets. <i>Cryogenics</i> , 2020 , 105, 103013	1.8	4
45	Steady-state transverse heat transfer in a single channel CICC. <i>Cryogenics</i> , 2020 , 110, 103124	1.8	0
44	Quench analysis of the DEMO CS1 coil. <i>Cryogenics</i> , 2020 , 112, 103194	1.8	3
43	Thermal-hydraulic analysis of the upgraded EU-DEMO CS1 coil 2019 ,		3
42	Design and analysis of the improved configuration of the secondary circuit for the EU-DEMO power plant. <i>Fusion Engineering and Design</i> , 2019 , 146, 1035-1038	1.7	4
41	Thermal-Hydraulic Analysis of the DEMO CS Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	13
40	Progress in the design of the superconducting magnets for the EU DEMO. <i>Fusion Engineering and Design</i> , 2018 , 136, 1597-1604	1.7	54
39	Thermal-hydraulic analysis of an HTS DEMO TF coil. <i>Cryogenics</i> , 2018 , 96, 125-132	1.8	15
38	Design and analysis of a new configuration of secondary circuit of the EU-DEMO fusion power plant using GateCycle. <i>Fusion Engineering and Design</i> , 2018 , 136, 1149-1152	1.7	8
37	Experimental Study of Steady-State Transverse Heat Transfer in a Single Channel CICC. <i>IEEE Transactions on Applied Superconductivity</i> , 2018 , 28, 1-5	1.8	3
36	Thermal-hydraulic and quench analysis of the DEMO toroidal field winding pack WP1. <i>Fusion Engineering and Design</i> , 2017 , 124, 110-113	1.7	13
35	Analysis of the secondary circuit of the DEMO fusion power plant using GateCycle. <i>Fusion Engineering and Design</i> , 2017 , 124, 1237-1240	1.7	15

34	Experimental stand for thermal-hydraulic tests of forced flow conductors using water at room temperature. <i>Fusion Engineering and Design</i> , 2017 , 124, 1191-1194	1.7	5
33	Thermal-hydraulic analysis of different design concepts of the LTS TF coil winding pack for EU-DEMO 2017 ,		2
32	Helium flow and temperature distribution in the CS1 module of the DEMO CS coil 2017 ,		3
31	Thermal-hydraulic analysis of LTS cables for the DEMO TF coil using simplified models. <i>Nukleonika</i> , 2017 , 62, 23-28	1	5
30	Thermo-hydraulic analyses associated with a CEA design proposal for a DEMO TF conductor. <i>Cryogenics</i> , 2016 , 80, 317-324	1.8	23
29	Transverse heat transfer coefficient in the dual channel ITER TF CICC. Part III: Direct method of assessment. <i>Cryogenics</i> , 2016 , 73, 91-100	1.8	7
28	. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	38
27	Thermal-hydraulic analysis of the improved LTS conductor design concepts for the DEMO TF coil. <i>Przegląd Elektrotechniczny</i> , 2016 , 1, 181-184	1.4	5
26	. <i>IEEE Transactions on Applied Superconductivity</i> , 2016 , 26, 1-5	1.8	17
25	Transverse heat transfer coefficient in the dual channel ITER TF CICC. Part II. Analysis of transient temperature responses observed during a heat slug propagation experiment. <i>Cryogenics</i> , 2015 , 65, 38-48	1.8	1
24	Upgrade of SULTAN/EDIPO for HTS Cable Test. <i>Physics Procedia</i> , 2015 , 67, 762-767		4
23	Comparative analysis of crystal-field parameters for rare-earth ions at monoclinic sites in AB(WO ₄) ₂ crystals: II. Pr ³⁺ and Nd ³⁺ ions in KRE(WO ₄) ₂ (RE = Y or Gd), Pr ³⁺ ions in M+ Bi(XO ₄) ₂ (M+ = Li or Na and X = W or Mo), and Nd ³⁺ ions in NaBi(WO ₄) ₂ and AgNd(WO ₄) ₂ . <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 045501	1.8	2
22	Thermal-Hydraulic Analysis of LTS Cables for the DEMO TF Coil. <i>IEEE Transactions on Applied Superconductivity</i> , 2014 , 24, 1-5	1.8	18
21	Minimum quench energies of uncooled low temperature superconductors with temperature dependent thermophysical parameters. <i>Applied Mathematical Modelling</i> , 2014 , 38, 4733-4746	4.5	1
20	Parametric Study for the Cooling of HTS Current Leads Using a Liquid Nitrogen Bath. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 4800304-4800304	1.8	3
19	Analytical model-based energy and exergy analysis of a gas microturbine at part-load operation. <i>Applied Thermal Engineering</i> , 2013 , 57, 125-132	5.8	24
18	Trends in orthorhombic crystal field parameters for trivalent rare-earth ions in high-T _c superconductors REBaCuO: correct interpretation based on standardization. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 103, 282-6	4.4	1
17	Parametric study for the cooling of high temperature superconductor (HTS) current leads. <i>Cryogenics</i> , 2013 , 53, 31-36	1.8	11

16	Alternative crystal field parameters for rare-earth ions obtained from various techniques: IV. Comparative analysis of crystal field parameters obtained from inelastic neutron scattering and related studies of RE ions (RE=Er ³⁺ , Ho ³⁺ , Nd ³⁺ , Pr ³⁺) in REBa ₂ Cu ₃ O ₇ high-T _c superconductors. <i>Journal of Alloys and Compounds</i> , 2012 , 540, 279-289	5.7	7
15	Thermo-hydraulic analysis of the cool-down of the EDIPO test facility. <i>Cryogenics</i> , 2011 , 51, 485-493	1.8	1
14	Modified friction factor correlation for CICC based on a porous media analogy. <i>Cryogenics</i> , 2011 , 51, 541-545	1.8	26
13	Transverse heat transfer coefficient in the dual channel ITER TF CICCs. <i>Cryogenics</i> , 2011 , 51, 598-608	1.8	6
12	Alternative crystal-field parameters for rare-earth ions obtained from various techniques: III. Low symmetry aspects inherent in monoclinic parameters obtained by Mössbauer spectroscopy for Tm ³⁺ ions in Tm ₂ BaXO ₅ (X = Co, Cu, Ni). <i>Journal of Alloys and Compounds</i> , 2010 , 497, 32-37	5.7	9
11	Helium flow and temperatures in a heated sample of a final ITER TF cable-in-conduit conductor. <i>Journal of Physics: Conference Series</i> , 2010 , 234, 032022	0.3	3
10	Comment on Numerical Deficiencies in the Paper by Al-Odat and Al-Hussien (Int. J. Thermophys. 29, 1523 (2008)). <i>International Journal of Thermophysics</i> , 2010 , 31, 1212-1219	2.1	1
9	Helium Flow and Temperature Distribution in a Heated Dual-Channel CICC Sample for ITER. <i>IEEE Transactions on Applied Superconductivity</i> , 2009 , 19, 1488-1491	1.8	7
8	Alternative crystal-field parameters for rare-earth ions obtained from various techniques: II. Reanalysis of spectroscopic data for Eu ³⁺ and Er ³⁺ ions in RE ₂ BaXO ₅ (X=Co, Cu, Ni, Zn) high temperature superconductors and related systems. <i>Journal of Alloys and Compounds</i> , 2009 , 467, 106-111	5.7	12
7	Alternative crystal field parameters for rare-earth ions obtained from various techniques. <i>Journal of Alloys and Compounds</i> , 2009 , 467, 98-105	5.7	21
6	An analytical solution of the hyperbolic heat conduction equation for the case of a finite medium symmetrically heated on both sides. <i>International Communications in Heat and Mass Transfer</i> , 2006 , 33, 61-69	5.8	66
5	Thermal waves propagation due to localised heat inputs – the Laplace transforms method analysis. <i>Heat and Mass Transfer</i> , 2002 , 38, 459-466	2.2	3
4	Analytical method for determining critical energies of uncooled superconductors based on the hyperbolic model of heat conduction. <i>Cryogenics</i> , 2001 , 41, 267-273	1.8	8
3	Hyperbolic heat conduction in the semi-infinite body with a time-dependent laser heat source. <i>Heat and Mass Transfer</i> , 2001 , 37, 333-342	2.2	35
2	Hyperbolic heat conduction in the semi-infinite body with the heat source which capacity linearly depends on temperature. <i>Heat and Mass Transfer</i> , 1998 , 33, 389-393	2.2	14
1	Mass and charge release by the evaporation of particles from compound nuclei around mass 60. <i>Zeitschrift für Physik A</i> , 1992 , 342, 61-66		5