

Roser Vallcorba

List of Publications by Year in descending order

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19
papers

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citations

1040056

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17
g-index

19
all docs

19
docs citations

19
times ranked

168
citing authors

#	ARTICLE	IF	CITATIONS
1	Progress in the design of the superconducting magnets for the EU DEMO. Fusion Engineering and Design, 2018, 136, 1597-1604.	1.9	67
2	Overview of Progress on the EU DEMO Reactor Magnet System Design. IEEE Transactions on Applied Superconductivity, 2016, 26, 1-5.	1.7	46
3	Advance in the conceptual design of the European DEMO magnet system. Superconductor Science and Technology, 2020, 33, 044013.	3.5	38
4	The DEMO magnet system – Status and future challenges. Fusion Engineering and Design, 2022, 174, 112971.	1.9	37
5	Thermo-hydraulic analyses associated with a CEA design proposal for a DEMO TF conductor. Cryogenics, 2016, 80, 317-324.	1.7	24
6	Towards a multi-physic platform for fusion magnet design – Application to DEMO TF coil. Fusion Engineering and Design, 2017, 124, 104-109.	1.9	16
7	Thermohydraulic Analyses on CEA Concept of TF and CS Coils for EU-DEMO. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	13
8	Parametric Optimization of the CEA TF Magnet Design of the EU DEMO Updated Configuration. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	12
9	OLYMPE, a multi-physic platform for fusion magnet design: Development status and first applications. Cryogenics, 2020, 108, 103086.	1.7	9
10	Progresses at CEA on EU demo reactor cryomagnetic system design activities and associated R&D. Nuclear Fusion, 2019, 59, 086033.	3.5	8
11	CEA Broad Studies on EU DEMO CS and PF Magnet Systems. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-6.	1.7	8
12	Status of CEA Magnet Design Tools and Applications to EU DEMO PF and CS Magnets. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	5
13	Updates on Magnet Design For EU-DEMO Reactor: Optimization Studies on TF and CS Systems. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-6.	1.7	5
14	Quench Simulation of a DEMO TF Coil Using a Quasi-3D Coupling Tool. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	4
15	Numerical Modeling of the Quench Propagation Phase in the JT-60SA TF Coils. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-5.	1.7	2
16	Updates on CEA Design and Experimental Activities on EU DEMO TF System. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	2
17	Adaptation of the nuclear safety code CATHARE3 to supercritical helium flow. Cryogenics, 2021, 113, 103135.	1.7	1
18	Thermal Hydraulic Analysis of JT-60SA TFCO2 Complementary Quench Tests in CTF. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.7	1

#	ARTICLE	IF	CITATIONS
19	JT-60SA TF Coils Tests: Critical Properties Analyses and First Extrapolations to Tokamak Operation. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.7	0