

# Luciana Barucca

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6319542/publications.pdf>

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17  
papers

682  
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840776

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888059

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all docs

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docs citations

17  
times ranked

746  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tokamak cooling systems and power conversion system options. Fusion Engineering and Design, 2022, 178, 113093.	1.9	26
2	Maturation of critical technologies for the DEMO balance of plant systems. Fusion Engineering and Design, 2022, 179, 113096.	1.9	24
3	Pre-conceptual design of EU DEMO balance of plant systems: Objectives and challenges. Fusion Engineering and Design, 2021, 169, 112504.	1.9	25
4	Pre-conceptual design of EU-DEMO divertor primary heat transfer systems. Fusion Engineering and Design, 2021, 169, 112463.	1.9	7
5	Key EU DEMO plant and building layout criteria. Fusion Engineering and Design, 2021, 171, 112567.	1.9	3
6	Analysis of the effects of primary heat transfer system isolation valves in case of in-vessel loss-of-coolant accidents in the EU DEMO. Fusion Engineering and Design, 2020, 159, 111926.	1.9	9
7	The EU DEMO Plant Electrical System: Issues and perspective. Fusion Engineering and Design, 2020, 156, 111728.	1.9	5
8	Preliminary CAD implementation of EU-DEMO primary heat transfer systems for HCPB breeding blanket option. Fusion Engineering and Design, 2019, 146, 2062-2065.	1.9	7
9	Overview of the DEMO staged design approach in Europe. Nuclear Fusion, 2019, 59, 066013.	3.5	156
10	EU DEMO safety and balance of plant design and operating requirements. Issues and possible solutions. Fusion Engineering and Design, 2019, 146, 2184-2188.	1.9	14
11	Safety important classification of EU DEMO components. Fusion Engineering and Design, 2019, 146, 631-636.	1.9	7
12	Progress in the design development of EU DEMO helium-cooled pebble bed primary heat transfer system. Fusion Engineering and Design, 2019, 146, 2416-2420.	1.9	13
13	DEMO design activity in Europe: Progress and updates. Fusion Engineering and Design, 2018, 136, 729-741.	1.9	224
14	Preliminary design of EU DEMO helium-cooled breeding blanket primary heat transfer system. Fusion Engineering and Design, 2018, 136, 1567-1571.	1.9	18
15	Status of EU DEMO heat transport and power conversion systems. Fusion Engineering and Design, 2018, 136, 1557-1566.	1.9	50
16	Study of EU DEMO WCLL breeding blanket and primary heat transfer system integration. Fusion Engineering and Design, 2018, 136, 828-833.	1.9	44
17	Progress in EU Breeding Blanket design and integration. Fusion Engineering and Design, 2018, 136, 782-792.	1.9	50