

# Parth Kalaria

## List of Publications by Year in descending order

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16  
papers

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1163117

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16  
docs citations

16  
times ranked

158  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design considerations for future DEMO gyrotrons: A review on related gyrotron activities within EUROfusion. Fusion Engineering and Design, 2017, 123, 241-246.	1.9	37
2	Systematic cavity design approach for a multi-frequency gyrotron for DEMO and study of its RF behavior. Physics of Plasmas, 2016, 23, .	1.9	28
3	KIT coaxial gyrotron development: from ITER toward DEMO. International Journal of Microwave and Wireless Technologies, 2018, 10, 547-555.	1.9	24
4	Conceptual design of the EU DEMO EC-system: main developments and R&D achievements. Nuclear Fusion, 2017, 57, 116009.	3.5	21
5	EU DEMO EC system preliminary conceptual design. Fusion Engineering and Design, 2018, 136, 1173-1177.	1.9	18
6	Gyrotron development at KIT: FULGOR test facility and gyrotron concepts for DEMO. Fusion Engineering and Design, 2015, 96-97, 589-592.	1.9	14
7	Triode magnetron injection gun for the KIT 2 MW 170 GHz coaxial cavity gyrotron. Physics of Plasmas, 2020, 27, .	1.9	10
8	Multiphysics Modeling of Inert Cooling System for a 170-GHz, 2-MW Long-Pulse Coaxial-Cavity Gyrotron. IEEE Transactions on Electron Devices, 2019, 66, 4008-4015.	3.0	9
9	New trends of gyrotron development at KIT: An overview on recent investigations. Fusion Engineering and Design, 2019, 146, 341-344.	1.9	8
10	RF Behavior and Launcher Design for a Fast Frequency Step-tunable 236 GHz Gyrotron for DEMO. Frequenz, 2017, 71, .	0.9	4
11	Gyrotron-Forschung und -Entwicklung am KIT. Vakuum in Forschung Und Praxis, 2016, 28, 21-27.	0.1	3
12	A fast frequency step-tunable 236 GHz gyrotron design for DEMO. , 2016, , .		3
13	Developments of fusion gyrotrons for W7-X, ITER and EU DEMO: Ongoing activities and future plans of KIT. , 2017, , .		3
14	European research activities towards a future DEMO gyrotron. EPJ Web of Conferences, 2017, 149, 04007.	0.3	3
15	Current Status of the KIT Coaxial-Cavity Long-Pulse Gyrotron and its Key Components. EPJ Web of Conferences, 2018, 187, 01028.	0.3	3
16	Recent Trends in Fusion Gyrotron Development at KIT. EPJ Web of Conferences, 2017, 157, 03017.	0.3	1