

Sunil Pak

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Eddy current induced electromagnetic loads on shield blankets during plasma disruptions in ITER: A benchmark exercise. Fusion Engineering and Design, 2010, 85, 1747-1758.	1.9	36
2	Electromagnetic load calculation of the ITER machine using a single finite element model including narrow slits of the in-vessel components. Fusion Engineering and Design, 2013, 88, 3224-3237.	1.9	18
3	Nuclear engineering of diagnostic port plugs on ITER. Fusion Engineering and Design, 2012, 87, 667-674.	1.9	16
4	Process and overview of diagnostics integration in ITER ports. Fusion Engineering and Design, 2013, 88, 1306-1309.	1.9	12
5	Final design of the generic upper port plug structure for ITER diagnostic systems. Fusion Engineering and Design, 2016, 102, 21-27.	1.9	11
6	Evaluation of electromagnetic loads on various design options of the ITER diagnostic upper port plug during plasma disruptions. Fusion Engineering and Design, 2011, 86, 1877-1881.	1.9	7
7	Shutdown dose rate contribution from diagnostics in ITER upper port 18. Fusion Engineering and Design, 2016, 109-111, 736-741.	1.9	5
8	An efficient modeling of fine air-gaps in tokamak in-vessel components for electromagnetic analyses. Fusion Engineering and Design, 2012, 87, 47-53.	1.9	4
9	The remote handling compatibility analysis of the ITER generic upper port plug structure. Fusion Engineering and Design, 2014, 89, 1009-1013.	1.9	4
10	Dynamic Amplification Factor of the ITER Diagnostic Upper Port Plug. IEEE Transactions on Plasma Science, 2014, 42, 1977-1981.	1.3	4
11	Residual Stress Monitoring for ITER Diagnostic Windows. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	3
12	Numerical simulation on bake-out of the ITER diagnostic upper port plug. Fusion Engineering and Design, 2010, 85, 1627-1631.	1.9	2
13	Fracture mechanics analysis approach to assess structural integrity of the first confinement boundaries in ITER Generic Upper Port Plug structure. Fusion Engineering and Design, 2015, 98-99, 1492-1495.	1.9	2
14	Engineering issues on the diagnostic port integration in ITER upper port 18. Fusion Engineering and Design, 2016, 109-111, 824-829.	1.9	2
15	Electromagnetic analysis for the in-vessel transfer lines of neutron activation system. Fusion Engineering and Design, 2017, 124, 591-595.	1.9	2
16	The choice of dynamic amplification factors for the ITER generic port plugs during disruptions. Fusion Engineering and Design, 2015, 98-99, 1652-1655.	1.9	1
17	Preliminary Design for Diagnostic Port Integration at ITER Upper Port #18. IEEE Transactions on Plasma Science, 2018, 46, 1612-1615.	1.3	1
18	Neutronics analysis for ITER UP18 preliminary design. Fusion Engineering and Design, 2019, 141, 101-108.	1.9	1