Wei Li

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3986113/publications.pdf

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18	287	933447 10	940533 16
papers	citations	h-index	g-index

18	18	18	243
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Preliminary study of coupling CFD code FLUENT and system code RELAP5. Annals of Nuclear Energy, 2014, 73, 96-107.	1.8	42
2	Preliminary safety analysis of the PWR with accident-tolerant fuels during severe accident conditions. Annals of Nuclear Energy, 2015, 80, 1-13.	1.8	42
3	Multiphysics phase-field modeling of quasi-static cracking in urania ceramic nuclear fuel. Ceramics International, 2021, 47, 793-810.	4.8	27
4	U3Si2-SiC fuel performance analysis in BISON during normal operation. Annals of Nuclear Energy, 2019, 132, 34-45.	1.8	26
5	Analysis of the loss of pool cooling accident in a PWR spent fuel pool with MAAP5. Annals of Nuclear Energy, 2014, 72, 198-213.	1.8	25
6	ABAQUS analysis of the SiC cladding fuel rod behavior under PWR normal operation conditions. Journal of Nuclear Materials, 2019, 515, 14-27.	2.7	25
7	Numerical research on water hammer phenomenon of parallel pump-valve system by coupling FLUENT with RELAP5. Annals of Nuclear Energy, 2017, 109, 318-326.	1.8	23
8	Multidimensional multiphysics modeling of TRISO particle fuel with SiC/ZrC coating using modified fission gas release model. Annals of Nuclear Energy, 2020, 145, 107599.	1.8	16
9	Preliminary thermal-hydraulic and safety analysis of China DFLL-TBM system. Fusion Engineering and Design, 2013, 88, 286-294.	1.9	15
10	Application of Kriging and Variational Bayesian Monte Carlo method for improved prediction of doped UO2 fission gas release. Annals of Nuclear Energy, 2021, 153, 108046.	1.8	15
11	Analysis of accidental loss of pool coolant due to leakage in a PWR SFP. Annals of Nuclear Energy, 2015, 77, 65-73.	1.8	10
12	Implications of SiC irradiation creep and annealing to UN-SiC fuel rod behavior. Journal of Nuclear Materials, 2020, 542, 152479.	2.7	8
13	Analysis of PWR RPV lower head SBLOCA scenarios with the failure of high-pressure injection system using MAAP5. Progress in Nuclear Energy, 2014, 77, 48-64.	2.9	4
14	Innovative accident tolerant fuel concept enabled through direct manufacturing technology. Applied Energy, 2020, 264, 114742.	10.1	4
15	An investigation of numerical performance enhancement of RELAP5: Numerical stability, higher resolution and an alternative constitutive relation. Nuclear Engineering and Design, 2018, 328, 309-320.	1.7	3
16	Finite element analysis of the SiC/SiC composite clad deformation in the presence of spacer grids. Annals of Nuclear Energy, 2020, 137, 107114.	1.8	1
17	Modeling Axial Relocation of Fragmented Fuel During Loss of Coolant Conditions by Using ABAQUS. , 2020, , .		1
18	Investigation on pressure fluctuation during parallel channel switching in fire-fighting. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 2376-2385.	2.1	0