

Kazunori Morishita

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/440182/publications.pdf>

Version: 2024-02-01

25
papers

162
citations

1478505

6
h-index

1125743

13
g-index

25
all docs

25
docs citations

25
times ranked

163
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of Photoelectric Conversion Transistor Consisting of High-power LED and Si Solar Cell. , 2022, , .		0
2	Pressurized thermal shock analysis of a reactor pressure vessel for optimizing the maintenance strategy: Effect of asymmetric reactor cooling. Nuclear Engineering and Design, 2021, 373, 111021.	1.7	2
3	Statistical arguments towards the development of an advanced embrittlement correlation method for reactor pressure vessel materials. Journal of Nuclear Science and Technology, 2020, 57, 312-322.	1.3	0
4	An Investigation of the Structural Integrity of a Reactor Pressure Vessel Using Three-Dimensional Computational Fluid Dynamics and Finite Element Method Based Probabilistic Pressurized Thermal Shock Analysis for Optimizing Maintenance Strategy. Journal of Pressure Vessel Technology, Transactions of the ASME, 2018, 140, .	0.6	3
5	Monte-Carlo simulation of defect-cluster nucleation in metals during irradiation. Nuclear Instruments & Methods in Physics Research B, 2017, 393, 110-113.	1.4	1
6	Evaluation of the energetics of copper-vacancy clusters in Fe. Nuclear Instruments & Methods in Physics Research B, 2017, 393, 101-104.	1.4	0
7	Optimizing Maintenance Strategy of a Reactor Pressure Vessel Using 3D-CFD and FEM Based Probabilistic Pressurized Thermal Shock Analysis. , 2017, , .		0
8	Development of methodology to optimize management of failed fuels in light water reactors. Journal of Nuclear Science and Technology, 2015, 52, 709-716.	1.3	2
9	Stress dependence of oxygen diffusion in ZrO ₂ film. Nuclear Instruments & Methods in Physics Research B, 2013, 303, 42-45.	1.4	4
10	Theoretical Evaluation of Oxidation Rate of Zr. Materials Research Society Symposia Proceedings, 2013, 1535, 6101.	0.1	0
11	Composition dependence of formation energy of self-interstitial atom clusters in $\hat{\gamma}$ -SiC: Molecular dynamics and molecular statics calculations. Journal of Nuclear Materials, 2011, 417, 1119-1122.	2.7	7
12	Formation of vacancy clusters in tungsten crystals under hydrogen-rich condition. Journal of Nuclear Materials, 2011, 417, 1115-1118.	2.7	40
13	Nucleation and growth of self-interstitial atom clusters in $\hat{\gamma}$ -SiC during irradiation: Kinetic Monte-Carlo modeling. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 1698-1701.	1.4	13
14	Interstitial Diffusion of C Interacting with Ambient H in Tungsten Crystals. Plasma and Fusion Research, 2011, 6, 2405062-2405062.	0.7	2
15	Defect Properties in $\hat{\gamma}$ -SiC Under Irradiation - Formation Energy of Interstitial Clusters. Fusion Science and Technology, 2009, 56, 328-330.	1.1	4
16	Modeling of He-bubble migration in bcc Fe. Nuclear Instruments & Methods in Physics Research B, 2007, 255, 52-56.	1.4	13
17	Atomistic evaluation of the point defect capture efficiency of He-V clusters in $\hat{\gamma}$ -Fe. Nuclear Instruments & Methods in Physics Research B, 2007, 255, 41-46.	1.4	5
18	Mechanism map for nucleation and growth of helium bubbles in metals. Journal of Nuclear Materials, 2006, 353, 52-65.	2.7	38

#	ARTICLE	IF	CITATIONS
19	Effects of Helium on Radiation Damage in Fusion Materials 2. Formation Mechanism of Helium Bubbles in Metals during Irradiation. Journal of Plasma and Fusion Research, 2005, 81, 13-18.	0.4	2
20	Theory and Modeling of Radiation Damage Processes in Materials. Journal of Plasma and Fusion Research, 2004, 80, 228-234.	0.4	1
21	How can we bridge the multiple timescale models of radiation damage processes?. Journal of Plasma and Fusion Research, 2004, 80, 318-324.	0.4	0
22	How can we bridge the multiple lengthscale models of radiation damage processes?. Journal of Plasma and Fusion Research, 2004, 80, 492-499.	0.4	0
23	Thermal Stability of Helium-Vacancy Clusters and Bubble Formation - Multiscale Modeling Approach for Fusion Materials Development. Fusion Science and Technology, 2003, 44, 441-445.	1.1	23
24	Materials Research in Japanese Universities. Fusion Science and Technology, 2002, 42, 62-74.	1.1	1
25	Monte Carlo simulation of point-defect behavior in cascade. Nuclear Instruments & Methods in Physics Research B, 1999, 153, 130-135.	1.4	1