

Kazunori Morishita

List of Publications by Year in descending order

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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	Formation of vacancy clusters in tungsten crystals under hydrogen-rich condition. Journal of Nuclear Materials, 2011, 417, 1115-1118.	2.7	40
2	Mechanism map for nucleation and growth of helium bubbles in metals. Journal of Nuclear Materials, 2006, 353, 52-65.	2.7	38
3	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
4	Modeling of He-bubble migration in bcc Fe. Nuclear Instruments & Methods in Physics Research B, 2007, 255, 52-56.	1.4	13
5	Nucleation and growth of self-interstitial atom clusters in $\hat{\text{I}}^2\text{-SiC}$ during irradiation: Kinetic Monte-Carlo modeling. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 1698-1701.	1.4	13
6	Composition dependence of formation energy of self-interstitial atom clusters in $\hat{\text{I}}^2\text{-SiC}$: Molecular dynamics and molecular statics calculations. Journal of Nuclear Materials, 2011, 417, 1119-1122.	2.7	7
7	Atomistic evaluation of the point defect capture efficiency of He-V clusters in $\hat{\text{I}}^{\pm}\text{-Fe}$. Nuclear Instruments & Methods in Physics Research B, 2007, 255, 41-46.	1.4	5
8	Defect Properties in $\hat{\text{I}}^2\text{-SiC}$ Under Irradiation - Formation Energy of Interstitial Clusters. Fusion Science and Technology, 2009, 56, 328-330.	1.1	4
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	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
11	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
12	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
13	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
14	Interstitial Diffusion of C Interacting with Ambient H in Tungsten Crystals. Plasma and Fusion Research, 2011, 6, 2405062-2405062.	0.7	2
15	Monte Carlo simulation of point-defect behavior in cascade. Nuclear Instruments & Methods in Physics Research B, 1999, 153, 130-135.	1.4	1
16	Materials Research in Japanese Universities. Fusion Science and Technology, 2002, 42, 62-74.	1.1	1
17	Theory and Modeling of Radiation Damage Processes in Materials. Journal of Plasma and Fusion Research, 2004, 80, 228-234.	0.4	1
18	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

#	ARTICLE	IF	CITATIONS
19	Theoretical Evaluation of Oxidation Rate of Zr. Materials Research Society Symposia Proceedings, 2013, 1535, 6101.	0.1	0
20	Evaluation of the energetics of copper-vacancy clusters in Fe. Nuclear Instruments & Methods in Physics Research B, 2017, 393, 101-104.	1.4	0
21	Optimizing Maintenance Strategy of a Reactor Pressure Vessel Using 3D-CFD and FEM Based Probabilistic Pressurized Thermal Shock Analysis. , 2017, , .		0
22	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
23	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
24	How can we bridge the multiple lengthscales models of radiation damage processes?. Journal of Plasma and Fusion Research, 2004, 80, 492-499.	0.4	0
25	Development of Photoelectric Conversion Transistor Consisting of High-power LED and Si Solar Cell. , 2022, , .		0