Kotaro Ono

List of Publications by Year
in descending order

36 papers	1,028 citations	12 h-index	32 g-index
37 all docs	37 docs citations	37 times ranked	788 citing authors

759233 414414

#	Article	IF	Citations
1	Dynamic behavior of helium bubbles at high temperature in Si studied by <i>in situ</i> TEM, STEM-EELS, and TDS. Journal of Applied Physics, 2019, 126, .	2.5	7
2	In-situ observation of the dynamic behavior of cascade defect clusters formed by irradiation with high-energy self-ions at 50â€¯K in Cu. Journal of Nuclear Materials, 2018, 511, 122-127.	2.7	1
3	Dynamic behaviour of nanometre-sized defect clusters emitted from an atomic displacement cascade in Au at 50ÂK. Philosophical Magazine, 2017, 97, 2196-2206.	1.6	1
4	Ellipsometric and electron spectroscopic study of degradation of optical properties in Mo mirror irradiated with deuterium and/or helium ions. Journal of Nuclear Materials, 2015, 463, 952-955.	2.7	2
5	Release of deuterium from irradiation damage in Feâ€“9Crâ€“2W ferritic alloy irradiated with deuterium ions. Journal of Nuclear Materials, 2014, 452, 46-50.	2.7	11
6	Effects of precipitated helium, deuterium or alloy elements on glissile motion of dislocation loops in Feâ€“9Crâ€“2W ferritic alloy. Journal of Nuclear Materials, 2014, 455, 162-166.	2.7	5
7	Temperature dependence of the reflectivity degradation in single and polycrystalline Mo mirrors under the irradiation with low-energy helium ions. Journal of Nuclear Materials, 2011, 415, S1214-S1217.	2.7	3
8	Degradation of optical properties in Mo mirrors under irradiation with low energy helium and deuterium ions. Journal of Nuclear Materials, 2011, 417, 834-837.	2.7	5
9	Microscopic damage of tungsten exposed to deuteriumâ€“helium mixture plasma in PISCES and its impacts on retention property. Journal of Nuclear Materials, 2011, 415, S657-S660.	2.7	132
10	Effects of tungsten on thermal desorption of helium from Feâ€“9Crâ€“2W ferritic alloy irradiated with low energy helium ions. Journal of Nuclear Materials, 2011, 417, 1026-1029.	2.7	10
11	Difference between helium retention properties in 316L and 304 stainless steels. Journal of Nuclear Materials, 2009, 386-388, 181-184.	2.7	6
12	Degradation of reflectivity in stainless steel mirrors under irradiation with low-energy helium ions. Journal of Nuclear Materials, 2009, 386-388, 1038-1040.	2.7	8
13	Dynamical interaction of helium bubbles with cascade damage in Feâ€“9Cr ferritic alloy. Journal of Nuclear Materials, 2009, 386-388, 177-180.	2.7	8
14	Dynamical response of helium bubble motion to irradiation with high-energy self-ions in aluminum at high temperature. Philosophical Magazine, 2009, 89, 513-524.	1.6	9
15	Effects of helium irradiation on degradation of optical properties of single and polycrystalline Mo mirrors for plasma diagnostics. Physica Scripta, 2009, T138, 014065.	2.5	10
16	Observation of the One-Dimensional Diffusion of Nanometer-Sized Dislocation Loops. Science, 2007, 318, 956-959.	12.6	303
17	Effects of cascade damages on the dynamical behavior of helium bubbles in Cu. Journal of Nuclear Materials, 2007, 367-370, 350-354.	2.7	16
18	Dynamical behavior of helium bubbles in gold during irradiation with high-energy self-ions. Nuclear Instruments & Methods in Physics Research B, 2006, 242, 455-457.	1.4	7

#	ARTICLE	IF	CITATIONS
19	TEMã€®å¨è¦³å¯Ÿã«ã‚ˆã‚‹ãƒ˜ãƒªã‚¦ãƒ ãƒãƒ–ãƒ«ã®å‹•çš„æŒ™å‹•ã®ç”Ÿç©¶. Materia Japan, 2006, 45, 106-113.	0.1	3
20	Change in the Burgers Vector of Perfect Dislocation Loops in Iron. Materia Japan, 2005, 44, 984-984.	0.1	0
21	Release of helium from irradiation damage in Feâ€“9Cr ferritic alloy. Journal of Nuclear Materials, 2004, 329-333, 933-937.	2.7	41
22	Dynamic Observation of the Growth Process of Planar Extended Defects in Germanium under Hydrogen-ion Irradiation. Materia Japan, 2004, 43, 995-995.	0.1	0
23	Comparison among the formation processes of extended defects in Si under irradiation with low-energy H+, He+ ions and high-energy electrons. Nuclear Instruments & Methods in Physics Research B, 2003, 206, 76-80.	1.4	2
24	Intermittent rapid motion of helium bubbles in Cu during irradiation with high energy self-ions. Nuclear Instruments & Methods in Physics Research B, 2003, 206, 114-117.	1.4	10
25	Elongation Fracture of Metals Containing Pre-introduced Secondary Defects. Radiation Effects and Defects in Solids, 2002, 157, 25-30.	1.2	7
26	Quantitative study of Brownian motion of helium bubbles in fcc metals. Journal of Electron Microscopy, 2002, 51, S245-S251.	0.9	29
27	Formation and migration of helium bubbles in Fe and Feâ€“9Cr ferritic alloy. Journal of Nuclear Materials, 2002, 307-311, 1507-1512.	2.7	63
28	Formation process of dislocation loops in iron under irradiations with low-energy helium, hydrogen ions or high-energy electrons. Journal of Nuclear Materials, 2002, 307-311, 272-277.	2.7	34
29	Thermal generation of vacancies from voids in aluminium. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 2001, 81, 2565-2575.	0.6	4
30	Evolution of point defect clusters in pure iron under low-energy He+ irradiation. Journal of Applied Physics, 2001, 89, 4752-4757.	2.5	50
31	Formation and migration of helium bubbles in Feâ€“16Crâ€“17Ni austenitic alloy at high temperature. Journal of Nuclear Materials, 2000, 283-287, 210-214.	2.7	23
32	Dynamical process of defect clustering in Ni under the irradiation with low energy helium ions. Journal of Nuclear Materials, 1999, 271-272, 214-219.	2.7	10
33	In-situ observation of Brownian motion of helium bubbles along grain boundaries in aluminium. Philosophical Magazine Letters, 1997, 75, 59-64.	1.2	27
34	In-Situ Observation of Brownian Motion and Diffusion of Helium Bubbles in Aluminum. Defect and Diffusion Forum, 1993, 95-98, 335-340.	0.4	4
35	Hydrogen detrapping from grain boundaries and dislocations in high purity iron. Acta Metallurgica Et Materialia, 1992, 40, 1357-1364.	1.8	154
36	In-situ observation of the migration and growth of helium bubbles in aluminum. Journal of Nuclear Materials, 1992, 191-194, 1269-1273.	2.7	23