

Yasushi Iwata

List of Publications by Year in descending order

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26
papers

402
citations

759233

12
h-index

752698

20
g-index

27
all docs

27
docs citations

27
times ranked

189
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen Content in a-SiC:H Films Prepared by Plasma Decomposition of Silane and Methane or Ethylene. Japanese Journal of Applied Physics, 1984, 23, 810-814.	1.5	88
2	Plume dynamics during film and nanoparticles deposition by pulsed laser ablation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 302, 182-189.	2.1	50
3	Hydrogen release during erd analysis of hydrogen in amorphous carbon films prepared by rf-sputtering. Nuclear Instruments & Methods in Physics Research B, 1988, 33, 792-794.	1.4	34
4	INS gas-filled recoil isotope separator. Nuclear Instruments & Methods in Physics Research B, 1987, 26, 309-313.	1.4	30
5	Photon emission from resonant coherently excited heavy ions. Nuclear Instruments & Methods in Physics Research B, 1988, 33, 354-357.	1.4	29
6	Resonant coherent excitation of Mg ¹¹⁺ : Electronic collisions of state specified short-lived excited states in a crystal channel. Radiation Effects and Defects in Solids, 1991, 117, 73-77.	1.2	24
7	K α X-ray emission from resonant coherently excited F ⁸⁺ ions channeled along a Au $\langle 110 \rangle$ axis and their exit charge-state distribution. Nuclear Instruments & Methods in Physics Research B, 1990, 48, 163-166.	1.4	19
8	Detection of Adsorbed Hydrogen on W(001) by Using $^1\text{H}(^{15}\text{N}, ^{13}\text{C})$ Reaction. Japanese Journal of Applied Physics, 1987, 26, L1026-L1028.	1.5	18
9	An ion-guide technique for on-line isotope separation coupled with a recoil-type beam separator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 269, 23-28.	1.6	17
10	Narrow size-distributed silicon cluster beam generated using a spatiotemporal confined cluster source. Chemical Physics Letters, 2002, 358, 36-42.	2.6	16
11	Detection of hydrogen adsorbed on tungsten surfaces using the $^1\text{H}(^{15}\text{N}, ^{13}\text{C})$ reaction. Nuclear Instruments & Methods in Physics Research B, 1988, 33, 574-577.	1.4	15
12	Determination of the infrared proportionality coefficient of the CH _n stretching mode for a-C:H and a-SiC:H films using ERD methods. Nuclear Instruments & Methods in Physics Research B, 1990, 45, 223-226.	1.4	12
13	Numerical study of unsteady compressible flow driven by supersonic jet injected into elliptical cell with small exit hole. Shock Waves, 2005, 14, 403-411.	1.9	9
14	Crystallographic Coalescence of Crystalline Silicon Clusters into Superlattice Structures. Crystal Growth and Design, 2015, 15, 2119-2128.	3.0	9
15	Determination of ⁸⁶ Zr and ⁸⁸ Mo atomic masses by the ($^7\text{Li}, ^8\text{He}$) reactions on ⁹⁰ Zr and ⁹² Mo. Physical Review C, 1990, 41, 1276-1278.	2.9	8
16	Cluster formation dynamics in a locally-confined gas layer mixed with the plume ablated by pulsed laser irradiation. Nuclear Instruments & Methods in Physics Research B, 1999, 153, 302-308.	1.4	7
17	Determination of ¹⁹³ Au and ¹⁹³ Hg atomic masses by the $^{197}\text{Au}(^7\text{Li}, ^8\text{He})^{193}\text{Au}$ reaction. Physical Review C, 1989, 39, 818-823.	2.9	5
18	Angular dependence of the Doppler broadening in the resonance of the $^1\text{H}(^{15}\text{N}, ^{13}\text{C})$ reaction. Nuclear Instruments & Methods in Physics Research B, 1991, 56-57, 469-472.	1.4	5

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19	MASS AND VELOCITY DISTRIBUTIONS OF AN IRON-CLUSTER BEAM GENERATED BY LASER VAPORIZATION. Surface Review and Letters, 1996, 03, 161-166.	1.1	4
20	Behavior of shock waves formed by unsteady supersonic jet injected into cell. Journal of Thermal Science, 2008, 17, 50-55.	1.9	2
21	MeV/u cluster generation. Nuclear Instruments & Methods in Physics Research B, 1994, 88, 10-15.	1.4	1
22	Hydrogen Coverage on W(001) Surface as a Dynamical System. Journal of the Physical Society of Japan, 1989, 58, 4329-4333.	1.6	0
23	Laser-assisted cluster source. AIP Conference Proceedings, 1996, , .	0.4	0
24	Twenty kilovolts massive ion beam system for well-defined microcluster studies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 427, 235-241.	1.6	0
25	Influence of hydrodynamic behavior of laser ablation plume on cluster formation. Energy Procedia, 2017, 131, 319-325.	1.8	0
26	EELS imaging analysis of surface plasmon polaritons confined in silicon cluster superlattice. , 2017, , .		0