

# Masamichi Yamada

## List of Publications by Year in descending order

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papers

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docs citations

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times ranked

353  
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Oxidized GaAs (001) Surfaces Using Temperature Programed Desorption and X-Ray Photoelectron Spectroscopy. Japanese Journal of Applied Physics, 1992, 31, L721-L724.	1.5	65
2	Direct Observation of Species Liberated from GaAs Native Oxides during Atomic Hydrogen Cleaning. Japanese Journal of Applied Physics, 1994, 33, L671-L674.	1.5	52
3	Effect of Atomic Hydrogen on GaAs (001) Surface Oxide Studied by Temperature-Programmed Desorption. Japanese Journal of Applied Physics, 1992, 31, L1157-L1160.	1.5	51
4	Anomalous behaviors observed in the isothermal desorption of GaAs surface oxides. Surface Science, 1995, 339, L914-L918.	1.9	44
5	Anisotropic two-dimensional metallic state of $\text{Ge}(001)$ . An angle-resolved photoelectron spectroscopy. Physical Review B, 2009, 80, .	3.2	40
6	Photostimulated desorption of NO chemisorbed on Pt(100) at 193 nm. Journal of Chemical Physics, 1989, 91, 590-597.	3.0	34
7	Analysis of GaAs MOMBE Reactions by Mass Spectrometry. Japanese Journal of Applied Physics, 1989, 28, L1486-L1488.	1.5	31
8	Role of Ga <sub>2</sub> O in the removal of GaAs surface oxides induced by atomic hydrogen. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1994, 12, 1858-1863.	2.1	28
9	Interaction of atomic hydrogen with GaAs (001) surface oxide: volatile Ga-oxide formation. Applied Surface Science, 1993, 70-71, 531-535.	6.1	22
10	Rewritable nanopattern on a Ge(001) surface utilizing p(2 $\times$ 2)-to-c(4 $\times$ 2) transition of surface reconstruction induced by a scanning tunneling microscope. Applied Physics Letters, 2004, 84, 1925-1927.	3.3	20
11	GaOH: Unstable Species Liberated from GaAs Surface Oxides during Atomic Hydrogen Cleaning. Japanese Journal of Applied Physics, 1996, 35, L651-L653.	1.5	18
12	Anisotropic splitting and spin polarization of metallic bands due to spin-orbit interaction at the Ge(111) surface. Physical Review B, 2011, 84, .	3.2	17
13	Surface Cleaning of Si-Doped/Undoped GaAs Substrates. Japanese Journal of Applied Physics, 1995, 34, L1180-L1183.	1.5	14
14	Oxidation states of submonolayer copper islands on a Pd(111) surface exposed to oxygen. Surface Science, 1999, 441, 199-205.	1.9	13
15	Local Vibrational Excitation through Extended Electronic States at a Germanium Surface. Physical Review Letters, 2009, 103, 266102.	7.8	12
16	Boundaries between square-shaped, nitrogen-adsorbed islands on Cu(001): Two relief mechanisms of the stress induced by atomic adsorbates. Surface Science, 2010, 604, 1961-1971.	1.9	12
17	Effects of Electron Beam Irradiation and Subsequent $\text{Cl}_2$ Exposure on Photo-Oxidized c(2 $\times$ 2) GaAs Surface. Japanese Journal of Applied Physics, 1994, 33, L1378-L1381.	1.5	10
18	Three-Ni-atom cluster formed by sulfur adsorption on Ni(111). Surface Science, 2008, 602, 1659-1668.	1.9	10

#	ARTICLE	IF	CITATIONS
19	Characterization of GaAs-(001) Surface Photo-Oxide Formed by Visible-Light Irradiation. Japanese Journal of Applied Physics, 1993, 32, 5661-5665.	1.5	8
20	Real-Time Observations on the Cleaning Process of Patterned GaAs Substrates. Japanese Journal of Applied Physics, 1995, 34, L397-L400.	1.5	7
21	Desorption of InOH from indium oxides under exposure to atomic hydrogen. Chemical Physics Letters, 1997, 280, 535-538.	2.6	7
22	Thickness Measurement of Surface Layer by the Angular Dependent X-Ray Photoelectron Spectroscopy. Bulletin of the Chemical Society of Japan, 1980, 53, 2159-2162.	3.2	5
23	Electronic structures of Ag/Ge(001) surfaces. Surface Science, 2005, 591, 108-116.	1.9	4
24	Electron correlation effects in Co nanoscale islands on a nitrogen-covered Cu(001) surface. Physical Review B, 2008, 77, .	3.2	4
25	Scattering potentials at Si-Ge and Sn-Ge impurity dimers on Ge(001) studied by scanning tunneling microscopy and ab initio calculations. Physical Review B, 2008, 78, .	3.2	3
26	Hexagonal iron nitride monolayer on Cu(001): Zigzag-line-in-trough alignment. Surface Science, 2020, 700, 121679.	1.9	3
27	Chlorine adsorption on electron beam irradiated GaAs photo-oxides: mechanism of in situ EB lithography. Applied Surface Science, 1994, 82-83, 310-315.	6.1	2
28	Flip motion of heterogeneous buckled dimers on Ge(001) by electron injection from STM tip. Surface Science, 2009, 603, 781-787.	1.9	2
29	STM observation of the chemical reaction of atomic hydrogen on the N-adsorbed Cu(001) surface. Surface Science, 2017, 655, 1-6.	1.9	2
30	Local (111)-like reconstruction on highly-compressed Cu(001) regions. Surface Science, 2022, 721, 122063.	1.9	2
31	Surface restructuring process on a Ag/Ge(001) surface studied by photoelectron spectroscopy. Applied Surface Science, 2008, 254, 7638-7641.	6.1	1
32	Ribbon-Like Nanopattern Formed on Nitrogen-Adsorbed Vicinal Cu(001). E-Journal of Surface Science and Nanotechnology, 2016, 14, 43-47.	0.4	1
33	Nanostructures made by mixing Rh atoms on N-adsorbed Cu(001) surface. Surface Science, 2011, 605, 1818-1825.	1.9	0