

Naoya Miyauchi

List of Publications by Year in descending order

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papers

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840776

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all docs

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docs citations

27
times ranked

609
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Surface Damage of Pd Using Cross-Sectional Electron Backscatter Diffraction Analysis. Materials Transactions, 2021, 62, 41-47.	1.2	2
2	Model of local hydrogen permeability in stainless steel with two coexisting structures. Scientific Reports, 2021, 11, 8553.	3.3	15
3	2-step reaction kinetics for hydrogen absorption into bulk material via dissociative adsorption on the surface. Scientific Reports, 2021, 11, 18836.	3.3	4
4	Multimodal Data Analysis for Evaluating Hydrogen Diffusion in Steel. Vacuum and Surface Science, 2021, 64, 472-475.	0.1	1
5	Proposal of Diffusion Model Obtained from Time-resolved Hydrogen Permeation Measurement with Operando Hydrogen Microscopes. Vacuum and Surface Science, 2021, 64, 568-574.	0.1	0
6	Fusion data analysis of imaging data of hydrogen-permeated steel obtained by complementary methods. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2020, 38, 034007.	1.2	6
7	Visualization of local hydrogen diffusion in stainless steel using time resolved electron stimulated desorption. Applied Surface Science, 2020, 527, 146710.	6.1	11
8	Visualization and characterization of localized outgassing position on surface-treated specimens: Chromium oxide layer on stainless steel. Applied Surface Science, 2019, 492, 280-284.	6.1	9
9	Observation of Metal Surface by Operando Hydrogen Microscope. Vacuum and Surface Science, 2019, 62, 27-32.	0.1	5
10	Observation of Metal Surface by Operando Hydrogen Microscope. Vacuum and Surface Science, 2019, 62, 635-640.	0.1	3
11	2D mapping of hydrogen permeation from a stainless steel membrane. Scripta Materialia, 2018, 144, 69-73.	5.2	17
12	Low Outgas Surface Treatment of Stainless Steel 316L Using Segregated Chromium Oxide Layer. Vacuum and Surface Science, 2018, 61, 675-680.	0.1	6
13	Electron-Stimulated Desorption. , 2018, , 143-147.		0
14	Nanosecond pump-probe device for time-resolved serial femtosecond crystallography developed at SACLA. Journal of Synchrotron Radiation, 2017, 24, 1086-1091.	2.4	28
15	Development of a highly-sensitive Penning ionization electron spectrometer using the magnetic bottle effect. AIP Conference Proceedings, 2016, , .	0.4	0
16	Microcrystal delivery by pulsed liquid droplet for serial femtosecond crystallography. Acta Crystallographica Section D: Structural Biology, 2016, 72, 520-523.	2.3	41
17	Electron Stimulated Desorption Measurement of Permeated Hydrogen through Stainless Steel Membrane. Journal of the Vacuum Society of Japan, 2015, 58, 387-391.	0.3	6
18	Recoil frame photoelectron angular distributions in core O 1s ionization of H ₂ CO. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 194004.	1.5	4

#	ARTICLE	IF	CITATIONS
19	C 1s photoelectron angular distributions from fixed-in-space CO molecules in the high-energy continuum ≈ 50 eV. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 194007.	1.5	13
20	Recoil frame photoelectron angular distributions of BF ₃ : A sensitive probe of the shape resonance in the F 1s continuum. Journal of Chemical Physics, 2012, 136, 074305.	3.0	11
21	Three-photon double ionization of Ar studied by photoelectron spectroscopy using an extreme ultraviolet free-electron laser: manifestation of resonance states of an intermediate Ar ⁺ ion. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 071001.	1.5	20
22	FORMATION OF COMPACT AMORPHOUS H ₂ O ICE BY CODEPOSITION OF HYDROGEN ATOMS WITH OXYGEN MOLECULES ON GRAIN SURFACES. Astrophysical Journal, 2009, 701, 464-470.	4.5	115
23	1. Formation of interstellar ice by low temperature surface atomic reactions. Cryobiology, 2009, 59, 370.	0.7	1
24	Nonenergetic reactions between atomic hydrogen and molecules on interstellar grain surfaces. Journal of Physics: Conference Series, 2009, 194, 012044.	0.4	2
25	Formation of hydrogen peroxide and water from the reaction of cold hydrogen atoms with solid oxygen at 10K. Chemical Physics Letters, 2008, 456, 27-30.	2.6	158
26	Structural effects of ice grain surfaces on the hydrogenation of CO at low temperatures. Chemical Physics Letters, 2008, 456, 36-40.	2.6	24
27	Kinetic Energy Measurements of Fragment Ions with a Time-of-Flight Mass Spectrometer.. Journal of the Mass Spectrometry Society of Japan, 2003, 51, 72-76.	0.1	1