Takashi Uchihashi

List of Publications by Year
in descending order

54	1,098	393982	395343
papers	citations	19 h-index	33 g-index

54	54	54	1275
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Adatoms:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Si</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>111</mml:mn><mml:mo stretchy="false">)</mml:mo><mml:mtext mathvariant="normal">â^'</mml:mtext><mml:mo		

#	Article	IF	Citations
19	Highly Ordered Cobaltâ€“Phthalocyanine Chains on Fractional Atomic Steps: One-Dimensionality and Electron Hybridization. ACS Nano, 2013, 7, 1317-1323.	7.3	19
20	Disorder-induced suppression of superconductivity in theSi(111)â^'(7Ã—3)-In surface: Scanning tunneling microscopy study. Physical Review B, 2015, 92, .	1.1	16
21	Orbital Angular Momentum Induced Spin Polarization of 2D Metallic Bands. Physical Review Letters, 2020, 125, 176401.	2.9	16
22	Quantum oscillations in diamond field-effect transistors with a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>h</mml:mi></mml:math> -BN gate dielectric. Physical Review Materials, 2019, 3, .	0.9	16
23	Unsubstituted and Fluorinated Copper Phthalocyanine Overlayers on Si(111)-(â^š7 Ã— â^š3)-In Surface: Adsorption Geometry, Charge Polarization, and Effects on Superconductivity. Journal of Physical Chemistry C, 2019, 123, 8951-8958.	1.5	15
24	Nanostencil-Fabricated Electrodes for Electron Transport Measurements of Atomically Thin Nanowires in Ultrahigh Vacuum. Japanese Journal of Applied Physics, 2008, 47, 1797-1799.	0.8	11
25	Superconducting Phase Transition of the Si(111)-((sqrt{7} imes sqrt{3}))-In Surface: Solution of T_c Discrepancy. Journal of the Physical Society of Japan, 2014, 83, 065001.	0.7	11
26	Persistent superconductivity in atomic layer-magnetic molecule van der Waals heterostructures: a comparative study. Molecular Systems Design and Engineering, 2019, 4, 511-518.	1.7	10
27	Surface atomic-layer superconductors with Rashba/Zeeman-type spin-orbit coupling. AAPPS Bulletin, 2021, 31, 1.	2.7	9
28	Electronic states of Ag thin films with a laterally periodic insertion of stacking faults. Physical Review B, 2010, 81, .	1.1	8
29	Tuning the Fermi surface of In/Si(111)-(<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq1 1 0.784314 rgBT /O by CuPc adsorption. Surface Science, 2021, 705, 121777.	0.8	8
30	Substrate Dependent Low-Temperature Growth of Thin Ag Films: Study on Si(111)â€“In Surfaces. Japanese Journal of Applied Physics, 2007, 46, 5975-5980.	0.8	6
31	Strong electron confinement by stacking-fault-induced fractional steps on Ag(111) surfaces. Physical Review B, 2010, 82, .	1.1	6
32	One-dimensional surface states on a striped Ag thin film with stacking fault arrays. Physical Review B, 2011, 84, .	1.1	6
33	Enhanced spin contrast of epitaxial Mn films on Fe(100) by spin-polarized scanning tunneling microscopy. Applied Physics Letters, 2011, 98, 123106.	1.5	5
34	Engineering topological superconductors using surface atomic-layer/molecule hybrid materials. Nanotechnology, 2015, 26, 344004.	1.3	5
35	Superconductivity of metal-induced surface reconstructions on silicon. Japanese Journal of Applied Physics, 2016, 55, 1102A5.	0.8	5
36	Phase transition of the Si()4Ã—1â€“In surface reconstruction investigated by electron transport measurements. Surface Science, 2003, 532-535, 685-689.	0.8	4

#	Article	IF	Citations
37	Self-assembled honeycomb lattice in the monolayer of cyclic thiazyl diradical BDTDA (=â€‰4,4â€²-bis(1,2,3,5-dithiadiazolyl)) on Cu(111) with a zero-bias tunneling spectra anomaly. Scientific Reports, 2015, 5, 18359.	1.6	4
38	Anisotropic structural modulation of epitaxial Au(111) thin films on striped Ag substrates. Physical Review B, 2010, 81, .	1.1	3
39	Observation of lateral band-bending in the edge vicinity of atomically-thin Bi insulating film formed on Si(111) surface. Surface Science, 2016, 644, 41-45.	0.8	3
40	Spectroscopy of a Single Superconducting Fine Particle Using a Scanning Tunneling Microscope. Journal of the Physical Society of Japan, 1995, 64, 1059-1062.	0.7	2
41	Adatom-induced lateral inhomogeneity of quantum well states in metal multilayers. Physical Review B, 2010, 82, .	1.1	2
42	Locality and lateral modulations of quantum well states in Ag(100) thin films studied using a scanning tunneling microscope. Surface Science, 2015, 637-638, 58-62.	0.8	2
43	Controlling of the Dirac band states of Pb-deposited graphene by using work function difference. AIP Advances, 2020, 10, .	0.6	2
44	Modification of the surface-state occupancy on noble metal films with stacking fault arrays. Applied Physics Letters, 2012, 100, 141609.	1.5	1
45	Excitation spectrum of Josephson vortices on surface superconductor. Journal of Physics: Conference Series, 2014, 568, 022022.	0.3	1
46	Impact of Surface Conditions on the Superconductivity of Si(111)-(√7 ×) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	0.1	1
47	Scanning Tunneling Spectroscopies of Magnetic Atoms, Clusters, and Molecules. Nanoscience and Technology, 2018, , 25-53.	1.5	1
48	Propagating electrons along domain walls of Au(111) observed by interference of coherent electrons at low temperature. European Physical Journal D, 1996, 46, 2357-2358.	0.4	0
49	Atomic-scale characterization of metal micro-electrodes grown on clean semiconductor surfaces. Thin Solid Films, 2003, 438-439, 61-64.	0.8	0
50	Electron transport through indium atomic chain arrays self-assembled on a silicon surface. Physica E: Low-Dimensional Systems and Nanostructures, 2003, 18, 227-228.	1.3	0
51	Electron Transport in Superconducting Silicon Surface Reconstructions. Hyomen Kagaku, 2015, 36, 112-117.	0.0	0
52	The Einsteinâ€“de Haas Effect and Its Application to Spin-Driven Molecular Motors. Advances in Atom and Single Molecule Machines, 2015, , 95-107.	0.0	0
53	Control of the Kondo Effect with Quantum Well States of Magnetic Metal Multilayers. Hyomen Kagaku, 2009, 30, 319-324.	0.0	0
54	Spin-polarized Scanning Tunneling Microscopy ^|^mdash;Influence of the Tip on Measurements^|^mdash;. Journal of the Vacuum Society of Japan, 2014, 57, 324-331.	0.3	0