

# Takashi Uchihashi

## List of Publications by Year in descending order

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54  
papers

1,098  
citations

393982

19  
h-index

395343

33  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1275  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-mobility p-channel wide-bandgap transistors based on hydrogen-terminated diamond/hexagonal boron nitride heterostructures. <i>Nature Electronics</i> , 2022, 5, 37-44.	13.1	70
2	Tuning the Fermi surface of In/Si(111)-(1 $\times$ 1) Tj ETQq0 0 0 rgBT /Overlock by CuPc adsorption. <i>Surface Science</i> , 2021, 705, 121777.	0.8	8
3	Atomic-layer Rashba-type superconductor protected by dynamic spin-momentum locking. <i>Nature Communications</i> , 2021, 12, 1462.	5.8	20
4	Surface atomic-layer superconductors with Rashba/Zeeman-type spin-orbit coupling. <i>AAPPS Bulletin</i> , 2021, 31, 1.	2.7	9
5	Orbital Angular Momentum Induced Spin Polarization of 2D Metallic Bands. <i>Physical Review Letters</i> , 2020, 125, 176401.	2.9	16
6	Controlling of the Dirac band states of Pb-deposited graphene by using work function difference. <i>AIP Advances</i> , 2020, 10, .	0.6	2
7	Charge-carrier mobility in hydrogen-terminated diamond field-effect transistors. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	33
8	Persistent superconductivity in atomic layer-magnetic molecule van der Waals heterostructures: a comparative study. <i>Molecular Systems Design and Engineering</i> , 2019, 4, 511-518.	1.7	10
9	Unsubstituted and Fluorinated Copper Phthalocyanine Overlayers on Si(111)-(7 $\times$ 7)-In Surface: Adsorption Geometry, Charge Polarization, and Effects on Superconductivity. <i>Journal of Physical Chemistry C</i> , 2019, 123, 8951-8958.	1.5	15
10	Structure determination of the Si atomic-layer superconductor. <i>Physical Review B</i> , 2019, 99, .	1.1	20
11	Quantum oscillations in diamond field-effect transistors with a h-BN gate dielectric. <i>Physical Review Materials</i> , 2019, 3, .	0.9	16
12	Scanning Tunneling Spectroscopies of Magnetic Atoms, Clusters, and Molecules. <i>Nanoscience and Technology</i> , 2018, , 25-53.	1.5	1
13	High-mobility diamond field effect transistor with a monocrystalline h-BN gate dielectric. <i>APL Materials</i> , 2018, 6, .	2.2	59
14	Controlled Modification of Superconductivity in Epitaxial Atomic Layer Organic Molecule Heterostructures. <i>Nano Letters</i> , 2017, 17, 2287-2293.	4.5	34
15	Two-dimensional superconductors with atomic-scale thickness. <i>Superconductor Science and Technology</i> , 2017, 30, 013002.	1.8	103
16	Superconductivity of metal-induced surface reconstructions on silicon. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 1102A5.	0.8	5
17	Observation of lateral band-bending in the edge vicinity of atomically-thin Bi insulating film formed on Si(111) surface. <i>Surface Science</i> , 2016, 644, 41-45.	0.8	3
18	Disorder-induced suppression of superconductivity in the Si(111)-(7 $\times$ 7)-In surface: Scanning tunneling microscopy study. <i>Physical Review B</i> , 2015, 92, .	1.1	16

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19	Self-assembled honeycomb lattice in the monolayer of cyclic thiazyl diradical BDTDA (=4,4-bis(1,2,3,5-dithiadiazolyl)) on Cu(111) with a zero-bias tunneling spectra anomaly. Scientific Reports, 2015, 5, 18359.	1.6	4
20	Impact of Surface Conditions on the Superconductivity of Si(111)-( $\sqrt{7} \times \sqrt{7}$ ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70.	0.1	1
21	Electron Transport in Superconducting Silicon Surface Reconstructions. Hyomen Kagaku, 2015, 36, 112-117.	0.0	0
22	Engineering topological superconductors using surface atomic-layer/molecule hybrid materials. Nanotechnology, 2015, 26, 344004.	1.3	5
23	Current-Driven Supramolecular Motor with In Situ Surface Chiral Directionality Switching. Nano Letters, 2015, 15, 4793-4798.	4.5	54
24	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
25	The Einstein-de Haas Effect and Its Application to Spin-Driven Molecular Motors. Advances in Atom and Single Molecule Machines, 2015, , 95-107.	0.0	0
26	Excitation spectrum of Josephson vortices on surface superconductor. Journal of Physics: Conference Series, 2014, 568, 022022.	0.3	1
27	Imaging Josephson Vortices on the Surface Superconductor $\langle \text{mml:math display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Si} \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 111 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 412 Td (stretchy="false"} \rangle$		

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37	Electronic states of Ag thin films with a laterally periodic insertion of stacking faults. <i>Physical Review B</i> , 2010, 81, .	1.1	8
38	Strong electron confinement by stacking-fault-induced fractional steps on Ag(111) surfaces. <i>Physical Review B</i> , 2010, 82, .	1.1	6
39	Anisotropic structural modulation of epitaxial Au(111) thin films on striped Ag substrates. <i>Physical Review B</i> , 2010, 81, .	1.1	3
40	Control of the Kondo Effect with Quantum Well States of Magnetic Metal Multilayers. <i>Hyomen Kagaku</i> , 2009, 30, 319-324.	0.0	0
41	Nanostencil-Fabricated Electrodes for Electron Transport Measurements of Atomically Thin Nanowires in Ultrahigh Vacuum. <i>Japanese Journal of Applied Physics</i> , 2008, 47, 1797-1799.	0.8	11
42	Quantum modulation of the Kondo resonance of Co adatoms on Cu/Co/Cu(100): Low-temperature scanning tunneling spectroscopy study. <i>Physical Review B</i> , 2008, 78, .	1.1	35
43	Self-Alignment of Co Adatoms on In Atomic Wires by Quasi-One-Dimensional Electron-Gas-Mediated Interactions. <i>Physical Review Letters</i> , 2008, 101, 146104.	2.9	29
44	Substrate Dependent Low-Temperature Growth of Thin Ag Films: Study on Si(111)-In Surfaces. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 5975-5980.	0.8	6
45	One-Dimensional Surface Reconstruction as an Atomic-Scale Template for the Growth of Periodically Striped Ag Films. <i>Physical Review Letters</i> , 2006, 96, 136104.	2.9	22
46	Quasi-One-Dimensional Quantized States in an Epitaxial Ag Film on a One-Dimensional Surface Superstructure. <i>Physical Review Letters</i> , 2006, 96, 256801.	2.9	31
47	Atomic-scale characterization of metal micro-electrodes grown on clean semiconductor surfaces. <i>Thin Solid Films</i> , 2003, 438-439, 61-64.	0.8	0
48	Tunneling electron induced luminescence from monolayered Cu-TBP porphyrin molecules adsorbed on Cu(100). <i>Thin Solid Films</i> , 2003, 438-439, 262-267.	0.8	19
49	Phase transition of the Si(111)-In surface reconstruction investigated by electron transport measurements. <i>Surface Science</i> , 2003, 532-535, 685-689.	0.8	4
50	Electron transport through indium atomic chain arrays self-assembled on a silicon surface. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 18, 227-228.	1.3	0
51	Electron conduction through quasi-one-dimensional indium wires on silicon. <i>Applied Physics Letters</i> , 2002, 80, 4169-4171.	1.5	60
52	Fabrication and lateral electronic transport measurements of gold nanowires. <i>Applied Physics Letters</i> , 2001, 78, 85-87.	1.5	31
53	Propagating electrons along domain walls of Au(111) observed by interference of coherent electrons at low temperature. <i>European Physical Journal D</i> , 1996, 46, 2357-2358.	0.4	0
54	Spectroscopy of a Single Superconducting Fine Particle Using a Scanning Tunneling Microscope. <i>Journal of the Physical Society of Japan</i> , 1995, 64, 1059-1062.	0.7	2