

Kazutoshi Takahashi

List of Publications by Year in descending order

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all docs

78
docs citations

78
times ranked

1188
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of a single layer graphene by copper intercalation on a SiC(0001) surface. Applied Physics Letters, 2014, 104, .	3.3	41
2	Beamline for high-resolution angle-resolved photoemission at Saga Light Source. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 1093-1096.	1.7	38
3	Adsorption State and Molecular Orientation of Ammonia on ZnO(101̄,0) Studied by Photoelectron Spectroscopy and near-Edge X-ray Absorption Fine Structure Spectroscopy. Journal of Physical Chemistry B, 2002, 106, 9380-9386.	2.6	36
4	Chemical states of dodecanethiolate-passivated Au nanoparticles: synchrotron-radiation photoelectron spectroscopy. Solid State Communications, 2003, 126, 191-196.	1.9	34
5	Electronic states of NO ₂ -exposed H-terminated diamond/Al ₂ O ₃ heterointerface studied by synchrotron radiation photoemission and X-ray absorption spectroscopy. Applied Physics Letters, 2014, 104, .	3.3	23
6	Scanning-Tunneling Microscopy, Near-Edge X-ray-Absorption Fine Structure, and Density-Functional Theory Studies of N ₂ O Orientation on Pd(110). Japanese Journal of Applied Physics, 2006, 45, 2290-2294.	1.5	21
7	Time-resolved HAXPES using a microfocused XFEL beam: From vacuum space-charge effects to intrinsic charge-carrier recombination dynamics. Scientific Reports, 2016, 6, 35087.	3.3	21
8	An unexpected surfactant role of immiscible nitrogen in the structural development of silver nanoparticles: an experimental and numerical investigation. Nanoscale, 2020, 12, 1749-1758.	5.6	21
9	Bulk and surface electronic structures of the semimetal Bi studied by angle-resolved photoemission spectroscopy. Physical Review B, 1999, 59, 1786-1791.	3.2	20
10	Ultrafast Time Dependence of Surface Photo-Voltage Effect on p-Type GaAs(100) Surface. Journal of the Physical Society of Japan, 2008, 77, 014711.	1.6	20
11	Neutralization of an epitaxial graphene grown on a SiC(0001) by means of palladium intercalation. Applied Physics Letters, 2017, 110, .	3.3	19
12	Temperature-dependent angle-resolved photoemission study for quantum-well states in Ag nanofilms. Physical Review B, 1999, 60, 8748-8752.	3.2	18
13	Two-dimensional band dispersion and momentum-resolved lifetime of the image-potential state on graphite studied by angle-resolved multiphoton photoemission spectroscopy. Physical Review B, 2012, 85, .	3.2	17
14	Image potential states in monolayer, bilayer, and trilayer epitaxial graphene studied with time- and angle-resolved two-photon photoemission spectroscopy. Physical Review B, 2014, 89, .	3.2	17
15	Dynamics of Surface Photovoltage Effects on Clean and Negative Electron Affinity Surfaces of p-GaAs (100). Journal of the Physical Society of Japan, 2003, 72, 659-663.	1.6	16
16	Surface photovoltage effect and its time dependence in GaAs/GaAsP superlattice studied with combination of synchrotron and laser radiation. Journal of Applied Physics, 2004, 95, 551-556.	2.5	16
17	Ultrafast Decay of Surface Photo-Voltage Effect on n-type GaAs(100) Surface. Journal of the Physical Society of Japan, 2007, 76, 104710.	1.6	16
18	Photoelectron Spectroscopic Study of Electronic Structures of L-Cysteine. Journal of the Physical Society of Japan, 2010, 79, 034709.	1.6	16

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19	Growth and angle-resolved photoemission studies of bismuth epitaxial films. <i>Surface Science</i> , 1999, 433-435, 647-651.	1.9	15
20	Characterization of pseudomorphic $\text{In}^3\text{-Ga}_2\text{O}_3$ and $\text{In}^3\text{-Al}_2\text{O}_3$ films on MgAl_2O_4 substrates and the band-alignment at the coherent $\text{In}^3\text{-Ga}_2\text{O}_3/\text{Al}_2\text{O}_3$ heterojunction interface. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 060910.	1.5	15
21	Measurements of the band alignment at coherent $\text{In}^3\text{-Ga}_2\text{O}_3/\text{Al}_2\text{O}_3$ heterojunctions. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 080308.	1.5	14
22	Band alignment of ZnTe/GaAs heterointerface investigated by synchrotron radiation photoemission spectroscopy. <i>Applied Physics Letters</i> , 2013, 102, 092107.	3.3	13
23	SURFACE-PHOTOVOLTAGE EFFECT IN A GaAs/GaAsP SUPERLATTICE STUDIED WITH COMBINATION OF SYNCHROTRON RADIATION AND THE LASER. <i>Surface Review and Letters</i> , 2002, 09, 1297-1301.	1.1	11
24	Crystal and electronic structural changes during annealing in severely deformed Si containing metastable phases formed by high-pressure torsion. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	11
25	Development of the Experimental System for Time- and Angle-resolved Photoemission Spectroscopy. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	10
26	Surface electronic structure of Bi_2Te_3 studied by high-resolution photoelectron spectroscopy using synchrotron radiation. <i>Physical Review B</i> , 2012, 85, .	3.2	10
27	Photoelectron spectroscopic study on the electronic structures of the dental gold alloys and their interaction with L-cysteine. <i>Journal of Applied Physics</i> , 2011, 110, 103718.	2.5	9
28	Direct observation of the dispersion and relaxation of photoexcited electrons in InAs. <i>Physical Review B</i> , 2010, 81, .	3.2	8
29	Electronic structure of $\text{In}^3\text{-sexithiophene}$ ultrathin films grown on. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1114-1126.	2.8	8
30	Room temperature adsorption of NH_3 on Zn-terminated ZnO(0001). <i>Applied Surface Science</i> , 2004, 237, 352-357.	8.1	7
31	Adaptation of UVSOR-Type Plane-Grating Monochromator in Saga. <i>AIP Conference Proceedings</i> , 2010, , .	0.4	7
32	Sexithiophene ultrathin films on passivated Si(001) surfaces: Growth and electronic structure. <i>Organic Electronics</i> , 2015, 25, 170-177.	2.6	7
33	Synthesis of platinum silicide at platinum/silicon oxide interface by photon irradiation. <i>Acta Materialia</i> , 2018, 154, 284-294.	7.9	7
34	Three-dimensional band structure and surface electron accumulation of rs-CdxZn1-xO studied by angle-resolved photoemission spectroscopy. <i>Scientific Reports</i> , 2019, 9, 8026.	3.3	7
35	Beam-line systems for pump-probe photoelectron spectroscopy using SR and laser. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001, 467-468, 1441-1443.	1.6	6
36	Dynamics of photo-excited carriers on GaAs(100) surface studied by ultrafast time-resolved photoemission. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009, 6, 307-310.	0.8	6

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37	Photoemission study on the valence band of a \hat{I}^2 -FeSi ₂ thin film using synchrotron radiation. Dalton Transactions, 2011, 40, 6023.	3.3	6
38	Electronic structures of the L-cysteine film on dental alloys. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 327-330.	1.7	6
39	Observation of nitrogen species at Al ₂ O ₃ /NO ₂ /H-diamond interfaces by synchrotron radiation x-ray photoemission spectroscopy. Journal of Applied Physics, 2020, 128, .	2.5	6
40	A study of an electron affinity of cesium telluride thin film. Journal of Physics: Conference Series, 2011, 298, 012014.	0.4	5
41	Occupied and unoccupied electronic structures of an L-cysteine film studied by core-absorption and resonant photoelectron spectroscopies. AIP Advances, 2016, 6, 045306.	1.3	4
42	Band Alignment of Al ₂ O ₃ Layer Deposited NO and SO ₂ Exposed (001) H \hat{a} €Diamond Heterointerfaces Studied by Synchrotron Radiation X \hat{a} €Ray Photoelectron Spectroscopy. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800237.	1.8	4
43	Circular dichroism in angle-resolved photoemission mapping of surface state on Bi(111). AIP Conference Proceedings, 2019, , .	0.4	4
44	Photoelectron Spectroscopic Study on Photo-Induced Phase Transition of Spin-Crossover Complex. Phase Transitions, 2002, 75, 847-853.	1.3	3
45	Valence electronic states of p-type \hat{I}^2 -FeSi ₂ single crystal studied by high-resolution and resonant photoelectron spectroscopy. Applied Physics Letters, 2011, 99, 022107.	3.3	3
46	Surface photo-voltage effect on Cr/GaAs(100) studied by photoemission spectroscopy with the combination of synchrotron radiation and laser. Journal of Applied Physics, 2011, 110, 113711.	2.5	3
47	Photoelectron spectroscopic study on the interaction of L-cysteine with the silver-based dental alloy. Journal of Applied Physics, 2012, 112, 023715.	2.5	3
48	Impurity \hat{a} €Induced First \hat{a} €Order Phase Transitions in Highly Crystalline V ₂ O ₃ Nanocrystals. Advanced Materials Interfaces, 2015, 2, 1500132.	3.7	3
49	Photo-induced valence change of the sulfur atom in an L-cysteine thin film grown on a silver metal substrate in a saliva-emulated aqueous solution. Applied Physics Letters, 2015, 106, 173702.	3.3	3
50	Thickness dependent band structure of \hat{I}^{\pm} -bismuthene grown on epitaxial graphene. Journal of Physics Condensed Matter, 2022, 34, 235502.	1.8	3
51	Soft X-Ray Beam line for Industry Application in Saga. AIP Conference Proceedings, 2007, , .	0.4	2
52	Photoemission Spectroscopic Study of Cesium Telluride Thin Film Photocathode. , 2009, , .		2
53	Performance of Saga-University Beamline with Planer Undulator. , 2010, , .		2
54	Adsorption and reaction of titanium on an oxidized Si(001) surface. Journal of Electron Spectroscopy and Related Phenomena, 2013, 189, 56-60.	1.7	2

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55	Upgrade of Saga-university beamline in SAGA-LS. Journal of Physics: Conference Series, 2013, 425, 072007.	0.4	2
56	Controlling of the Dirac band states of Pb-deposited graphene by using work function difference. AIP Advances, 2020, 10, .	1.3	2
57	Promotion in solid phase reaction of Pt/SiOx bilayer film by electron-orbital-selective-excitation. RSC Advances, 2021, 11, 894-898.	3.6	2
58	Photoelectron spectroscopic study on electronic structure of butterfly-templated ZnO. Physica Status Solidi C: Current Topics in Solid State Physics, 2010, 7, 1574-1576.	0.8	1
59	The observation of unoccupied quantum-well states in Bi thin film grown on Si(111) by two-photon photoemission spectroscopy. Applied Physics Letters, 2011, 99, 243101.	3.3	1
60	Excited electronic state on Si(001) surface at initial stage of oxidation studied by two-photon photoemission spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 304-308.	1.7	1
61	Electronic structure of Si(111) surface at initial stage of oxidation studied by two-photon photoemission spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 304-308.	1.2	1
62	Unoccupied band dispersion of Si(111)- Ag surface studied by time- and angle-resolved two-photon photoemission spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2012, 185, 547-551.	1.7	1
63	Electronic States on Bi_2Te_3 Studied by Angle-Resolved Photoelectron Spectroscopy Using Synchrotron Radiation. E-Journal of Surface Science and Nanotechnology, 2012, 10, 117-120.	0.4	1
64	Time-resolved two-photon photoemission study of silicon surface at initial stage of oxidation. Applied Surface Science, 2013, 267, 154-158.	6.1	1
65	Electronic structure of the L-cysteine films on dental alloys studied by ultraviolet photoelectron spectroscopy. Journal of Physics: Conference Series, 2013, 417, 012057.	0.4	1
66	Cu Intercalation under a Zero Layer Graphene Grown on a SiC(0001) Surface. Journal of the Vacuum Society of Japan, 2014, 57, 266-271.	0.3	1
67	Photoemission Spectroscopy Study on Hydrogen Termination Effect on SiO ₂ /Si Structure Fabricated Using H ⁺ -Implanted Si Substrate. Journal of the Electrochemical Society, 2020, 167, 127505.	2.9	1
68	PHOTOINDUCED PHASE TRANSITION OF A SPIN-CROSSOVER COMPLEX STUDIED WITH THE COMBINATION OF SR AND LASER. Surface Review and Letters, 2002, 09, 319-323.	1.1	0
69	New Spectroscopy for Photo-Induced Phenomena Using Combination of Synchrotron Radiation and Laser. Phase Transitions, 2002, 75, 911-918.	1.3	0
70	Electronic Coupling of Quantum-Well States in Double Ag Nanofilm Structures. Journal of the Physical Society of Japan, 2003, 72, 879-883.	1.6	0
71	Design of Grazing Incident Monochromator for Saga Synchrotron Light. AIP Conference Proceedings, 2004, , .	0.4	0
72	Photoelectron spectroscopic study of Fe films on NEA surface. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 483-486.	1.7	0

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73	Electronic structures in unoccupied states of Bi thin film studied with two-photon photoemission spectroscopy. Applied Surface Science, 2013, 267, 66-69.	6.1	0
74	Anomalous photoelectric emission from Ag on zinc-phthalocyanine film. Applied Physics Letters, 2014, 104, 193304.	3.3	0
75	Adsorption and reaction of silver on an oxidized Si(001) surface. Journal of Electron Spectroscopy and Related Phenomena, 2015, 203, 35-39.	1.7	0
76	Photoelectron Spectroscopic Study on Decay Processes of Core-Excited States of NaNO ₂ . Journal of the Physical Society of Japan, 2015, 84, 054707.	1.6	0
77	Optical Absorption and Electric Resistivity of an L-Cysteine Film. Journal of the Physical Society of Japan, 2016, 85, 124713.	1.6	0
78	The effect of water exposure on FePc thin films grown on bismuth-covered Si(111) surfaces. Surface Science, 2022, 716, 121953.	1.9	0