

Kazutoshi Takahashi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The effect of water exposure on FePc thin films grown on bismuth-covered Si(111) surfaces. <i>Surface Science</i> , 2022, 716, 121953.	1.9	0
2	Thickness dependent band structure of $\hat{\pm}$ -bismuthene grown on epitaxial graphene. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 235502.	1.8	3
3	Promotion in solid phase reaction of Pt/SiOx bilayer film by electron-orbital-selective-excitation. <i>RSC Advances</i> , 2021, 11, 894-898.	3.6	2
4	An unexpected surfactant role of immiscible nitrogen in the structural development of silver nanoparticles: an experimental and numerical investigation. <i>Nanoscale</i> , 2020, 12, 1749-1758.	5.6	21
5	Observation of nitrogen species at Al ₂ O ₃ /NO ₂ /H-diamond interfaces by synchrotron radiation x-ray photoemission spectroscopy. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	6
6	Controlling of the Dirac band states of Pb-deposited graphene by using work function difference. <i>AIP Advances</i> , 2020, 10, .	1.3	2
7	Photoemission Spectroscopy Study on Hydrogen Termination Effect on SiO ₂ /Si Structure Fabricated Using H ⁺ -Implanted Si Substrate. <i>Journal of the Electrochemical Society</i> , 2020, 167, 127505.	2.9	1
8	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
9	Characterization of pseudomorphic $\hat{\pm}$ -Ga ₂ O ₃ and $\hat{\pm}$ -Al ₂ O ₃ films on MgAl ₂ O ₄ substrates and the band-alignment at the coherent $\hat{\pm}$ -Ga ₂ O ₃ /Al ₂ O ₃ heterojunction interface. <i>Japanese Journal of Applied Physics</i> , 2019, 58, 060910.	1.5	15
10	Circular dichroism in angle-resolved photoemission mapping of surface state on Bi(111). <i>AIP Conference Proceedings</i> , 2019, . .	0.4	4
11	Electronic structure of $\hat{\pm}$ -sexithiophene ultrathin films grown on. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 1114-1126.	2.8	8
12	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
13	Synthesis of platinum silicide at platinum/silicon oxide interface by photon irradiation. <i>Acta Materialia</i> , 2018, 154, 284-294.	7.9	7
14	Band Alignment of Al ₂ O ₃ Layer Deposited NO and SO ₂ Exposed (001) H ⁺ -Diamond Heterointerfaces Studied by Synchrotron Radiation X-Ray Photoelectron Spectroscopy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800237.	1.8	4
15	Measurements of the band alignment at coherent $\hat{\pm}$ -Ga ₂ O ₃ /Al ₂ O ₃ heterojunctions. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 080308.	1.5	14
16	Neutralization of an epitaxial graphene grown on a SiC(0001) by means of palladium intercalation. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	19
17	Occupied and unoccupied electronic structures of an L-cysteine film studied by core-absorption and resonant photoelectron spectroscopies. <i>AIP Advances</i> , 2016, 6, 045306.	1.3	4
18	Optical Absorption and Electric Resistivity of an L-Cysteine Film. <i>Journal of the Physical Society of Japan</i> , 2016, 85, 124713.	1.6	0

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19	Time-resolved HAXPES using a microfocused XFEL beam: From vacuum space-charge effects to intrinsic charge-carrier recombination dynamics. <i>Scientific Reports</i> , 2016, 6, 35087.	3.3	21
20	Adsorption and reaction of silver on an oxidized Si(001) surface. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2015, 203, 35-39.	1.7	0
21	Impurity-Induced First-Order Phase Transitions in Highly Crystalline $V_{2}O_{3}$ Nanocrystals. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500132.	3.7	3
22	Sexithiophene ultrathin films on passivated Si(0 0 1) surfaces: Growth and electronic structure. <i>Organic Electronics</i> , 2015, 25, 170-177.	2.6	7
23	Photoelectron Spectroscopic Study on Decay Processes of Core-Excited States of $NaNO_{2}$. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 054707.	1.6	0
24	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. <i>Applied Physics Letters</i> , 2015, 106, 173702.	3.3	3
25	Fabrication of a single layer graphene by copper intercalation on a SiC(0001) surface. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	41
26	Electronic states of NO_{2} -exposed H-terminated diamond/ $Al_{2}O_{3}$ heterointerface studied by synchrotron radiation photoemission and X-ray absorption spectroscopy. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	23
27	Anomalous photoelectric emission from Ag on zinc-phthalocyanine film. <i>Applied Physics Letters</i> , 2014, 104, 193304.	3.3	0
28	Image potential states in monolayer, bilayer, and trilayer epitaxial graphene studied with time- and angle-resolved two-photon photoemission spectroscopy. <i>Physical Review B</i> , 2014, 89, .	3.2	17
29	Cu Intercalation under a Zero Layer Graphene Grown on a SiC(0001) Surface. <i>Journal of the Vacuum Society of Japan</i> , 2014, 57, 266-271.	0.3	1
30	Band alignment of ZnTe/GaAs heterointerface investigated by synchrotron radiation photoemission spectroscopy. <i>Applied Physics Letters</i> , 2013, 102, 092107.	3.3	13
31	Adsorption and reaction of titanium on an oxidized Si(001) surface. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2013, 189, 56-60.	1.7	2
32	Time-resolved two-photon photoemission study of silicon surface at initial stage of oxidation. <i>Applied Surface Science</i> , 2013, 267, 154-158.	6.1	1
33	Electronic structures in unoccupied states of Bi thin film studied with two-photon photoemission spectroscopy. <i>Applied Surface Science</i> , 2013, 267, 66-69.	6.1	0
34	Upgrade of Saga-university beamline in SAGA-LS. <i>Journal of Physics: Conference Series</i> , 2013, 425, 072007.	0.4	2
35	Electronic structure of the L-cysteine films on dental alloys studied by ultraviolet photoelectron spectroscopy. <i>Journal of Physics: Conference Series</i> , 2013, 417, 012057.	0.4	1
36	Two-dimensional band dispersion and momentum-resolved lifetime of the image-potential state on graphite studied by angle-resolved multiphoton photoemission spectroscopy. <i>Physical Review B</i> , 2012, 85, .	3.2	17

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37	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
38	Surface electronic structure of Bi ₂ Te ₃ studied by high-resolution photoelectron spectroscopy using synchrotron radiation. Physical Review B, 2012, 85, 045411.	3.2	10
39	Unoccupied band dispersion of Si(111)-s3A—a s3-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
40	Electronic States on Bi ₂ Te ₃ Studied by Angle-Resolved Photoelectron Spectroscopy Using Synchrotron Radiation. E-Journal of Surface Science and Nanotechnology, 2012, 10, 117-120.	0.4	1
41	Photoemission study on the valence band of a $\hat{1}^2$ -FeSi ₂ thin film using synchrotron radiation. Dalton Transactions, 2011, 40, 6023.	3.3	6
42	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
43	A study of an electron affinity of cesium telluride thin film. Journal of Physics: Conference Series, 2011, 298, 012014.	0.4	5
44	Electronic structures of the L-cysteine film on dental alloys. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 327-330.	1.7	6
45	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, 308-313.	1.7	1
46	Valence electronic structure of Si _{1-x} Ge _x studied by photoemission spectroscopy. Journal of Applied Physics, 2011, 110, 113711.	1.2	1
47	Valence electronic states of p-type $\hat{1}^2$ -FeSi ₂ single crystal studied by high-resolution and resonant photoelectron spectroscopy. Applied Physics Letters, 2011, 99, 022107.	3.3	3
48	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
49	Photoelectron spectroscopic study on the electronic structures of the dental gold alloys and their interaction with L-cysteine. Journal of Applied Physics, 2011, 110, 103718.	2.5	9
50	Performance of Saga-University Beamline with Planer Undulator. , 2010, , .		2
51	Photoelectron Spectroscopic Study of Electronic Structures of L-Cysteine. Journal of the Physical Society of Japan, 2010, 79, 034709.	1.6	16
52	Adaptation of UVSOR-Type Plane-Grating Monochromator in Saga. AIP Conference Proceedings, 2010, , .	0.4	7
53	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
54	Direct observation of the dispersion and relaxation of photoexcited electrons in InAs. Physical Review B, 2010, 81, .	3.2	8

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55	Photoemission Spectroscopic Study of Cesium Telluride Thin Film Photocathode. , 2009, , .		2
56	Dynamics of photo-excited carriers on GaAs(100) surface studied by ultrafast time-resolved photoemission. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 307-310.	0.8	6
57	Ultrafast Time Dependence of Surface Photo-Voltage Effect on <i>p</i> -Type GaAs(100) Surface. Journal of the Physical Society of Japan, 2008, 77, 014711.	1.6	20
58	Soft X-Ray Beam line for Industry Application in Saga. AIP Conference Proceedings, 2007, , .	0.4	2
59	Development of the Experimental System for Time- and Angle-resolved Photoemission Spectroscopy. AIP Conference Proceedings, 2007, , .	0.4	10
60	Ultrafast Decay of Surface Photo-Voltage Effect on <i>n</i> -type GaAs(100) Surface. Journal of the Physical Society of Japan, 2007, 76, 104710.	1.6	16
61	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
62	Photoelectron spectroscopic study of Fe films on NEA surface. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 483-486.	1.7	0
63	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
64	Design of Grazing Incident Monochromator for Saga Synchrotron Light. AIP Conference Proceedings, 2004, , .	0.4	0
65	Room temperature adsorption of NH ₃ on Zn-terminated ZnO(0001). Applied Surface Science, 2004, 237, 352-357.	0.1	7
66	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
67	Chemical states of dodecanethiolate-passivated Au nanoparticles: synchrotron-radiation photoelectron spectroscopy. Solid State Communications, 2003, 126, 191-196.	1.9	34
68	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
69	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
70	SURFACE-PHOTOVOLTAGE EFFECT IN A GaAs/GaAsP SUPERLATTICE STUDIED WITH COMBINATION OF SYNCHROTRON RADIATION AND THE LASER. Surface Review and Letters, 2002, 09, 1297-1301.	1.1	11
71	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
72	New Spectroscopy for Photo-Induced Phenomena Using Combination of Synchrotron Radiation and Laser. Phase Transitions, 2002, 75, 911-918.	1.3	0

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73	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
74	Photoelectron Spectroscopic Study on Photo-Induced Phase Transition of Spin-Crossover Complex. Phase Transitions, 2002, 75, 847-853.	1.3	3
75	Beam-line systems for pump-probe photoelectron spectroscopy using SR and laser. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 1441-1443.	1.6	6
76	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
77	Temperature-dependent angle-resolved photoemission study for quantum-well states in Ag nanofilms. Physical Review B, 1999, 60, 8748-8752.	3.2	18
78	Growth and angle-resolved photoemission studies of bismuth epitaxial films. Surface Science, 1999, 433-435, 647-651.	1.9	15