

Kenichi Ozawa

List of Publications by Year in descending order

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127
papers

1,939
citations

279798

23
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345221

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127
all docs

127
docs citations

127
times ranked

2682
citing authors

#	ARTICLE	IF	CITATIONS
1	Elaboration of near- ϵ -valence band defect states leading deterioration of ambipolar operation in SnO thin-film transistors. Nano Select, 2022, 3, 1012-1020.	3.7	3
2	Beamline commissioning for microscopic measurements with ultraviolet and soft X-ray beam at the upgraded beamline BL-13B of the Photon Factory. Journal of Synchrotron Radiation, 2022, 29, 400-408.	2.4	6
3	Influence of Stacking Order of Phthalocyanine and Fullerene Layers on the Photoexcited Carrier Dynamics in Model Organic Solar Cell. Journal of Physical Chemistry C, 2021, 125, 13963-13970.	3.1	1
4	Two-dimensional Electron Gas at Thiol/ZnO Interface. E-Journal of Surface Science and Nanotechnology, 2020, 18, 41-47.	0.4	0
5	Development of a high-precision XYZ translator and estimation of beam profile of the vacuum ultraviolet and soft X-ray undulator beamline BL-13B at the Photon Factory. Journal of Synchrotron Radiation, 2020, 27, 923-933.	2.4	5
6	In-gap state generated by La-on-Sr substitutional defects within the bulk of SrTiO ₃ . Physical Chemistry Chemical Physics, 2019, 21, 14646-14653.	2.8	6
7	A Surface Science Approach to Unveiling the TiO ₂ ; Photocatalytic Mechanism: Correlation between Photocatalytic Activity and Carrier Lifetime. E-Journal of Surface Science and Nanotechnology, 2019, 17, 130-147.	0.4	10
8	Enhanced Photoresponsivity of Fullerene in the Presence of Phthalocyanine: A Time-Resolved X-ray Photoelectron Spectroscopy Study of Phthalocyanine/C ₆₀ /TiO ₂ (110). Journal of Physical Chemistry C, 2019, 123, 4388-4395.	3.1	10
9	Improved pumping speeds of oxygen-free palladium/titanium nonevaporable getter coatings and suppression of outgassing by baking under oxygen. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2019, 37, .	2.1	8
10	Hard X-ray photoelectron spectroscopy study of thermal effect on chemical state of sulfur in rubber compound. EXPRESS Polymer Letters, 2019, 13, 214-222.	2.1	0
11	Applications of Hard X-ray Photoelectron Spectroscopy (HAXPES) to Rubber Materials Developments. Nippon Gomu Kyokaishi, 2019, 92, 76-81.	0.0	0
12	Development of a New Nonevaporable Getter Coating Using Oxygen-Free Palladium/Titanium, Surface Analysis by Synchrotron Radiation X-ray Photoelectron Spectroscopy, Residual Gas Analysis, and Evaluation of Pumping Speeds. Vacuum and Surface Science, 2019, 62, 568-573.	0.1	0
13	Ultraviolet Photoelectron Spectroscopy. , 2018, , 783-790.		5
14	Correlation between Photocatalytic Activity and Carrier Lifetime: Acetic Acid on Single-Crystal Surfaces of Anatase and Rutile TiO ₂ . Journal of Physical Chemistry C, 2018, 122, 9562-9569.	3.1	27
15	Controlling the surface photovoltage on WSe ₂ by surface chemical modification. Applied Physics Letters, 2018, 112, .	3.3	7
16	Competition between Itineracy and Localization of Electrons Doped into the Near-Surface Region of Anatase TiO ₂ . Journal of Physical Chemistry C, 2018, 122, 19661-19669.	3.1	6
17	Electronic Structure of the VO Film Grown on Ag(100): Resonant Photoelectron Spectroscopy Study. E-Journal of Surface Science and Nanotechnology, 2018, 16, 236-241.	0.4	1
18	Disappearance of Localized Valence Band Maximum of Ternary Tin Oxide with Pyrochlore Structure, Sn ₂ Nb ₂ O ₇ . Journal of Physical Chemistry C, 2017, 121, 9480-9488.	3.1	27

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19	Electronic structure of Fe 2 P studied by soft X-ray photoelectron spectroscopy and X-ray absorption spectroscopy. Surface Science, 2017, 664, 50-55.	1.9	5
20	Angle-Resolved HAXPES Investigation on the Chemical Origin of Adhesion between Natural Rubber and Brass. Langmuir, 2017, 33, 9582-9589.	3.5	13
21	Femtosecond to picosecond transient effects in WSe 2 observed by pump-probe angle-resolved photoemission spectroscopy. Scientific Reports, 2017, 7, 15981.	3.3	11
22	Growth of ultrathin titanium oxide films on Ag(110). Japanese Journal of Applied Physics, 2017, 56, 085501.	1.5	1
23	What Determines the Lifetime of Photoexcited Carriers on TiO ₂ Surfaces?. Journal of Physical Chemistry C, 2016, 120, 29283-29289.	3.1	19
24	Growth of ultrathin vanadium oxide films on Ag(100). Japanese Journal of Applied Physics, 2016, 55, 075501.	1.5	1
25	Electron-Donor Dye Molecule on ZnO(101̄...0), (0001), and (0001̄...) Studied by Photoelectron Spectroscopy and X-ray Absorption Spectroscopy. Journal of Physical Chemistry C, 2016, 120, 8653-8662.	3.1	8
26	Tailoring Photovoltage Response at SrRuO ₃ /SrTiO ₃ Heterostructures. Advanced Materials Interfaces, 2016, 3, 1600527.	3.7	6
27	Evidence for chemical bond formation at rubber-brass interface: Photoelectron spectroscopy study of bonding interaction between copper sulfide and model molecules of natural rubber. Surface Science, 2016, 654, 14-19.	1.9	8
28	Phonon-dressed two-dimensional carriers on the ZnO surface. Physical Review B, 2016, 94, .	3.2	23
29	Surface Photovoltage: Tailoring Photovoltage Response at SrRuO ₃ /SrTiO ₃ Heterostructures (Adv.)	3.7	0
30	Capturing transiently charged states at the C 60/TiO ₂ (110) interface by time-resolved soft X-ray photoelectron spectroscopy. Organic Electronics, 2016, 31, 98-103.	2.6	14
31	Surface clean gold nanoflower obtained by complete removal of capping agents: an active catalyst for alcohol oxidation. RSC Advances, 2016, 6, 17222-17227.	3.6	26
32	Observation of Brass / Rubber Adhesion Interface Using X-ray High Resolution Photoelectron Spectroscopy.. Nippon Gomu Kyokaishi, 2015, 88, 291-296.	0.0	2
33	Anisotropic effective mass approximation model to calculate multiple subband structures at wide-gap semiconductor surfaces: Application to accumulation layers of SrTiO ₃ and ZnO. Surface Science, 2015, 641, 224-230.	1.9	15
34	Electron-hole recombination on ZnO(0001) single-crystal surface studied by time-resolved soft X-ray photoelectron spectroscopy. Applied Physics Letters, 2014, 105, 151602.	3.3	36
35	Catalytic properties of Pt-based intermetallic compounds in dehydrogenation of cyclohexane and n-butane. Applied Catalysis A: General, 2014, 469, 300-305.	4.3	45
36	Polarization-dependent ARPES measurement for valence band of anatase TiO ₂ . Solid State Communications, 2014, 188, 15-18.	1.9	5

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37	Photoelectron spectroscopy study of interaction of oxygen with the (111) surface of a Cu-Zn alloy. Surface Science, 2014, 623, 1-5.	1.9	5
38	Shockley surface state on $\hat{\pm}$ -brass(111) and its response to oxygen adsorption. Surface Science, 2014, 623, 6-12.	1.9	5
39	A study on the hydrogen activation properties of Ni-based intermetallics: a relationship between reactivity and the electronic state. Physical Chemistry Chemical Physics, 2014, 16, 19828.	2.8	31
40	In situ chemical state analysis of buried polymer/metal adhesive interface by hard X-ray photoelectron spectroscopy. Applied Surface Science, 2014, 320, 177-182.	6.1	16
41	Electron-Hole Recombination Time at TiO_2 Single-Crystal Surfaces: Influence of Surface Band Bending. Journal of Physical Chemistry Letters, 2014, 5, 1953-1957.	4.6	219
42	Angle-Resolved Photoemission Study of $\text{Ni}_2\text{P}(10\text{-}10)$: Change in the Surface Electronic Structure Induced by P Segregation. E-Journal of Surface Science and Nanotechnology, 2014, 12, 175-178.	0.4	2
43	High-resolution photoelectron spectroscopy study of degradation of rubber-to-brass adhesion by thermal aging. Applied Surface Science, 2013, 268, 117-123.	6.1	25
44	Preparation of alumina-supported intermetallic compounds. RSC Advances, 2013, 3, 23269.	3.6	21
45	Electronic structure of the hydrogen-adsorbed $\text{SrTiO}_3(001)$ surface studied by polarization-dependent photoemission spectroscopy. Physical Review B, 2013, 87, .	3.2	25
46	PtCu Intermetallic Compound Supported on Alumina Active for Preferential Oxidation of CO in Hydrogen. Journal of Physical Chemistry C, 2013, 117, 10483-10491.	3.1	73
47	High-resolution photoelectron spectroscopy analysis of sulfidation of brass at the rubber/brass interface. Applied Surface Science, 2013, 264, 297-304.	6.1	22
48	Performance of PF BL-13A, a vacuum ultraviolet and soft X-ray undulator beamline for studying organic thin films adsorbed on surfaces. Journal of Physics: Conference Series, 2013, 425, 152019.	0.4	65
49	Hydrogen-Induced Surface Metalization of $\text{SrTiO}_3(001)$ Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 247 Td (stretchy="fa	7.8	64
50	Oxidation of ultra-thin Ti films on Mo(100): Soft X-ray photoelectron spectroscopy study. Surface Science, 2012, 606, 414-419.	1.9	2
51	Electronic structure of epitaxial anatase TiO_2 films: Angle-resolved photoelectron spectroscopy study. Physical Review B, 2012, 85, .	3.2	19
52	Electronic Structure of the Ultra-Thin TiO_2 Film on Ag(100): Resonant Photoemission Spectroscopy Study. E-Journal of Surface Science and Nanotechnology, 2012, 10, 286-291.	0.4	2
53	Characterization of $\text{Ni}_2\text{P}(10\text{-}10)$: Soft X-Ray Photoelectron Spectroscopy Study. E-Journal of Surface Science and Nanotechnology, 2012, 10, 45-49.	0.4	5
54	Electron Donor Molecule on the Oxide Surface: Influence of Surface Termination of ZnO on Adsorption of Tetrathiafulvalene. Journal of Physical Chemistry C, 2011, 115, 21843-21851.	3.1	17

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55	Ca ²⁺ -exchanged ferrierite: Quasi one-dimensional zeolite for highly selective and stable formation of light alkenes in catalytic cracking of n-octane. <i>Applied Catalysis A: General</i> , 2011, 407, 127-133.	4.3	10
56	Synthesis of trans-stilbene through the hydrogenation of diphenylacetylene. <i>Catalysis Today</i> , 2011, 164, 143-147.	4.4	15
57	Comparison of the surface electronic structures of H-adsorbed ZnO surfaces: An angle-resolved photoelectron spectroscopy study. <i>Physical Review B</i> , 2011, 83, .	3.2	60
58	Preparation and catalytic properties of fine particles of Pt-Ge intermetallic compound formed inside the mesopores of MCM-41. <i>Journal of Molecular Catalysis A</i> , 2010, 319, 71-77.	4.8	20
59	Electronic structure of the surface: Angle-resolved photoemission study. <i>Solid State Communications</i> , 2010, 150, 1120-1123.	1.9	14
60	Angle-resolved photoelectron spectroscopy study of hydrogen adsorption on ZnO(100). <i>Journal of Molecular Catalysis A</i> , 2010, 319, 71-77.	1.8	10
61	Metallization of ZnO(100) surface by hydrogen adsorption: Angle-resolved photoelectron spectroscopy study. <i>Physical Review B</i> , 2010, 81, .	3.2	55
62	Valence and Core-Level Photoelectron Spectroscopy Study of the Electronic Structure of Ni ₂ P(0001). <i>E-Journal of Surface Science and Nanotechnology</i> , 2009, 7, 1-6.	0.4	14
63	Valence-band structure of the polar ZnO surfaces studied by angle-resolved photoelectron spectroscopy. <i>Physical Review B</i> , 2009, 79, .	3.2	18
64	Formation and characterization of the Cu ₂ O overlayer on Zn-terminated ZnO(0001). <i>Surface Science</i> , 2009, 603, 2163-2170.	1.9	31
65	A Theoretical Study of O/Ti Co-Adsorption on Ag(100). <i>E-Journal of Surface Science and Nanotechnology</i> , 2009, 7, 7-12.	0.4	0
66	The electronic structure and reactivity of the oxygen-modified Mo ₂ C(0001) surface. <i>Applied Surface Science</i> , 2008, 254, 7622-7625.	6.1	3
67	Electronic structure of the TiO thin film on Ag(100): Angle-resolved photoemission study. <i>Surface Science</i> , 2008, 602, 2295-2299.	1.9	11
68	Soft X-ray photoelectron spectroscopy study of Ni ₂ P(0001). <i>Solid State Communications</i> , 2008, 148, 135-138.	1.9	22
69	Oxidation of Cu on ZnO(0001)-Zn: Angle-Resolved Photoelectron Spectroscopy and Low-Energy Electron Diffraction Study. <i>E-Journal of Surface Science and Nanotechnology</i> , 2008, 6, 226-232.	0.4	8
70	Angle-Resolved Photoemission Spectroscopy Study of Metal/Oxide Interface-Valence Band Structure of Cu Adsorbed Polar ZnO Surfaces-. <i>Hyomen Kagaku</i> , 2008, 29, 407-412.	0.0	1
71	Electronic Structure of Cu on ZnO(100): Angle-Resolved Photoemission Spectroscopy Study. <i>Journal of Physical Chemistry C</i> , 2007, 111, 4256-4263.	3.1	24
72	Growth of ordered titanium oxide films on Ag(100). <i>Solid State Communications</i> , 2007, 142, 32-35.	1.9	10

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73	Oxygen adsorption on a Mo ₂ C(0001) surface: Angle-resolved photoemission study. Surface Science, 2007, 601, 201-208.	1.9	2
74	Angle-resolved photoemission study of Cu on ZnO(100); room temperature deposition and annealing effect. Surface Science, 2007, 601, 4053-4057.	1.9	5
75	Oxidation of copper clusters on : Effect of temperature and preadsorbed water. Surface Science, 2007, 601, 3125-3132.	1.9	9
76	Angle-resolved and resonant photoemission study of the ZrO-like film on ZrC(1 0 0). Surface Science, 2007, 601, 5077-5082.	1.9	7
77	GROWTH MODE AND ELECTRONIC STRUCTURE OF SILVER ON $\overline{100}$ ZnO. Surface Review and Letters, 2006, 13, 227-233.	1.1	0
78	Surface electronic structure of $\sqrt{3}\times\sqrt{3}$ -Mo ₂ C(0001). Surface Science, 2006, 600, 448-452.	1.9	12
79	VALENCE ELECTRONIC STRUCTURE OF OXYGEN-MODIFIED $\sqrt{3}\times\sqrt{3}$ -Mo ₂ C(0001) SURFACE: ANGLE-RESOLVED PHOTOEMISSION STUDY. Surface Review and Letters, 2006, 13, 185-190.	1.1	1
80	Formation of oxide layer on HfC(100) surface studied by photoemission spectroscopy. E-Journal of Surface Science and Nanotechnology, 2006, 4, 219-226.	0.4	8
81	Photoemission spectroscopy study of the oxidation of HfC(100). Applied Surface Science, 2005, 244, 174-177.	6.1	8
82	Electronic structure of the Ti suboxide layer formed on a TiC(100) surface: Angle-resolved photoemission study. Surface Science, 2005, 584, 237-244.	1.9	16
83	Angle-resolved photoemission study of the valence band structure of ZnO(). Journal of Physics Condensed Matter, 2005, 17, 1271-1278.	1.8	22
84	Angle-Resolved Photoemission Spectroscopy Study of Adsorption Process and Electronic Structure of Silver on ZnO(101̄,0). Journal of Physical Chemistry B, 2005, 109, 14619-14626.	2.6	10
85	Alkali-Metals on ZnO(10-10) Studied by Low-Energy Electron Diffraction and Photoelectron Spectroscopy. E-Journal of Surface Science and Nanotechnology, 2005, 3, 299-310.	0.4	6
86	Increase in charge-density-wave potential of 1T $\sqrt{3}\times\sqrt{3}$ -TaSxSe2 $\sqrt{3}\times\sqrt{3}$. Physical Review B, 2004, 69, .	3.2	6
87	Electronic structure of Mo ₂ C(0001) studied by resonant photoemission spectroscopy. Solid State Communications, 2004, 131, 245-249.	1.9	7
88	Electronic structure and reactivity of the TiO thin film formed on a TiC(100) surface. Thin Solid Films, 2004, 464-465, 76-79.	1.8	4
89	Photoelectron spectroscopy study of oxygen adsorption on Mo ₂ C(0001). Surface Science, 2004, 561, 101-109.	1.9	21
90	Valence band structure of the ZnO(100) surface studied by angle-resolved photoemission spectroscopy. Applied Surface Science, 2004, 237, 343-347.	6.1	9

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91	Room temperature adsorption of NH ₃ on Zn-terminated ZnO(0001). Applied Surface Science, 2004, 237, 352-357.	6.1	7
92	Oxidation process of Mo ₂ C(0001) studied by photoelectron spectroscopy. Applied Surface Science, 2004, 237, 499-503.	6.1	3
93	Photoelectron spectroscopy study of the K-covered ZnO(101̄,0) surface; annealing-induced changes in the electronic structure and the chemical composition. Surface Science, 2003, 547, 257-267.	1.9	8
94	Photoelectron spectroscopy study of K adsorption on ZnO(100). Surface Science, 2003, 524, 78-88.	1.9	24
95	Angle-resolved photoelectron spectroscopy study of the anion-derived dangling-bond band on ZnO(101̄,0). Physical Review B, 2003, 68, .	3.2	34
96	Ta _{5d} Band Symmetry of 1Tâ ⁺ Ta _{1.2} Se _{0.8} in the Commensurate Charge-Density-Wave Phase. Physical Review Letters, 2003, 91, 256404.	7.8	6
97	Photoelectron Spectroscopy Study of the Oxidation of TiC(100). Japanese Journal of Applied Physics, 2003, 42, 1725-1731.	1.5	29
98	PHOTOELECTRON SPECTROSCOPY STUDY OF AMMONIA ADSORPTION ON $\{m \text{ ZnO}\}(10\bar{1}0)$. Surface Review and Letters, 2002, 09, 717-722.	1.1	16
99	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
100	Surface electronic structure of HfC(). Surface Science, 2002, 498, 343-349.	1.9	7
101	Electronic structure of the Zr suboxide layer formed on a ZrC(100) surface. Surface Science, 2002, 511, 359-365.	1.9	18
102	Coadsorption of oxygen and cesium on ZrC(111). Surface Science, 2002, 511, 421-434.	1.9	11
103	Interaction of water and methanol with oxygen-modified ZrC() surfaces. Surface Science, 2002, 518, 225-233.	1.9	9
104	Hydrogen adsorption on a HfC(111) surface: angle-resolved photoemission study. Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 495-499.	1.7	2
105	The interaction of water with oxygen-modified ZrC(100) surfaces. Solid State Communications, 2001, 118, 23-26.	1.9	27
106	Photoelectron spectroscopy study of Mo ₂ C(0001). Solid State Communications, 2001, 121, 1-5.	1.9	26
107	Activation of ZrC(100) Surfaces by Suboxide-layer Formation.. Hyomen Kagaku, 2001, 22, 537-539.	0.0	0
108	Cs Adsorption on ZrC(111): Photoemission Spectroscopy Study. Japanese Journal of Applied Physics, 2000, 39, 4325-4330.	1.5	2

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109	Adsorption of Methanol on Oxygen-Modified ZrC(100) and (111) Surfaces. Japanese Journal of Applied Physics, 2000, 39, 4331-4334.	1.5	3
110	Photoelectron Spectroscopy Study of the Oxidation of ZrC(100). Japanese Journal of Applied Physics, 2000, 39, 5217-5222.	1.5	34
111	Potassium adsorption on the polar ZrC(111) surface: photoemission spectroscopy study. Surface Science, 2000, 446, 229-240.	1.9	8
112	Oxygen adsorption on a ZrC(111) surface: angle-resolved photoemission study. Surface Science, 2000, 450, 27-33.	1.9	22
113	Angle-resolved photoemission study of the surface electronic structure of HfC (111). Solid State Communications, 1999, 110, 35-38.	1.9	10
114	Na adsorption on the polar NbC(111) surface. Surface Science, 1999, 419, 226-235.	1.9	8
115	Adsorption of methanol on ZrC(100) and (111) surfaces. Surface Science, 1999, 433-435, 180-183.	1.9	20
116	Photoemission study of K adsorption on ZrC(111). Surface Science, 1999, 433-435, 700-704.	1.9	3
117	Interaction of oxygen with potassium-covered ZrC(111) surface: photoemission spectroscopy study. Surface Science, 1999, 438, 223-230.	1.9	6
118	O ₂ adsorption on clean and K-modified ZrC(111) surfaces. Journal of Electron Spectroscopy and Related Phenomena, 1998, 88-91, 801-804.	1.7	2
119	Adsorption of methanol on TiC(100) and (111) surfaces. Journal of Electron Spectroscopy and Related Phenomena, 1998, 88-91, 805-808.	1.7	11
120	Photoemission study of the oxidation of ZrC(111). Solid State Communications, 1998, 107, 145-148.	1.9	16
121	Potassium adsorption on the polar NbC(111) surface: angle-resolved photoemission study. Surface Science, 1997, 375, 250-256.	1.9	14
122	Na adsorption process on a ZrC(100) surface. Applied Surface Science, 1997, 121-122, 142-145.	6.1	7
123	Potassium adsorption on the polar NbC(111) surface: core-level photoemission study. Surface Science, 1996, 357-358, 350-354.	1.9	11
124	Cs adsorption on a polar NbC(111) surface: photoemission and auger electron spectroscopy studies. Surface Science, 1996, 364, L612-L616.	1.9	7
125	Interaction of hydrogen with TaC(111) and NbC(111) surfaces: Angle-resolved photoemission study. Physical Review B, 1995, 51, 4516-4522.	3.2	13
126	Adsorption of K on NbC(100): photoemission and thermal desorption study. Surface Science, 1995, 336, 93-100.	1.9	15

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127	Electronic structure of the nitride layers formed on a Si(111) surface: angle-resolved photoemission study. Surface Science, 1994, 317, 143-151.	1.9	7