

Ayumi Harasawa

List of Publications by Year in descending order

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32

papers

793

citations

623734

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docs citations

33

times ranked

1284

citing authors

#	ARTICLE	IF	CITATIONS
1	New soft X-ray beamline BL07LSU at SPring-8. <i>Journal of Synchrotron Radiation</i> , 2014, 21, 352-365.	2.4	110
2	Spin texture in type-II Weyl semimetal xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:math>WTe</mml:math><mml:mn>2</mml:mn><mml:math>2</mml:math><mml:math>2</mml:math></mml:math> <i>Physical Review B</i> , 2016, 94, .		
3	Evidence for a higher-order topological insulator in a three-dimensional material built from van der Waals stacking of bismuth-halide chains. <i>Nature Materials</i> , 2021, 20, 473-479.	27.5	98
4	High-resolution three-dimensional spin- and angle-resolved photoelectron spectrometer using vacuum ultraviolet laser light. <i>Review of Scientific Instruments</i> , 2016, 87, 053111.	1.3	69
5	Visualization of the strain-induced topological phase transition in a quasi-one-dimensional superconductor TaSe ₃ . <i>Nature Materials</i> , 2021, 20, 1093-1099.	27.5	57
6	Large out-of-plane spin polarization in a spin-splitting one-dimensional metallic surface state on Si(557)-Au. <i>Physical Review B</i> , 2010, 82, .	3.2	55
7	Observation and control of the weak topological insulator state in ZrTe ₅ . <i>Nature Communications</i> , 2021, 12, 406.	12.8	43
8	Spin-dependent quantum interference in photoemission process from spin-orbit coupled states. <i>Nature Communications</i> , 2017, 8, 14588.	12.8	34
9	Antiferromagnetic Domain Structure Imaging of Cleaved NiO(100) Surface Using Nonmagnetic Linear Dichroism at O K Edge: Essential Effect of Antiferromagnetic Crystal Distortion. <i>Journal of the Physical Society of Japan</i> , 2004, 73, 2932-2935.	1.6	31
10	Development and trial measurement of synchrotron-radiation-light-illuminated scanning tunneling microscope. <i>Review of Scientific Instruments</i> , 2004, 75, 2149-2153.	1.3	27
11	Rashba spin splitting of xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:math>L</mml:math>-gap surface states on Ag(111) and Cu(111). <i>Physical Review B</i> , 2018, 98, .	3.2	24
12	Spectroscopy Studies of Temperature-Induced Valence Transition on EuNi ₂ (Si _{1-x} Gex) ₂ around Eu 3d ^{4f} , 4d ^{4f} and Ni 2p ^{3d} Excitation Regions. <i>Journal of the Physical Society of Japan</i> , 2002, 71, 148-155.	1.6	23
13	Electronic Structure of CeB ₆ Studied by 3dXPS and High-Resolution 4d-4f Resonant Photoemission. <i>Journal of the Physical Society of Japan</i> , 1995, 64, 302-307.	1.6	19
14	Nonvortical Rashba Spin Structure on a Surface with C1h Symmetry. <i>Physical Review Letters</i> , 2016, 117, 016803.	7.8	15
15	Giant Rashba splitting of quasi-one-dimensional surface states on Bi/InAs(110)- xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:math>(</mml:math><mml:math>2</mml:math><mml:math>2</mml:math></mml:math>)</mml:math> Physical Review B, 2018, 98, .		
16	Plasmon Loss in Al 2p Core-level Photoelectron Spectroscopy.. <i>Hyomen Kagaku</i> , 2001, 22, 497-503.	0.0	13
17	Electronic Structures of CeNi ₂ Al ₅ and CeNiAl ₄ Studied by Photoelectron Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2000, 69, 3095-3099.	1.6	11
18	Enhanced spin relaxation in an ultrathin metal film by the Rashba-type surface. <i>Physical Review B</i> , 2011, 83, .	3.2	11

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19	Origins of Thermal Spin Depolarization in Half-Metallic Ferromagnet CrO ₂ Studied by Angle-Resolved Photoemission Spectroscopy. <i>Physical Review Letters</i> , 2018, 121, 257201.	7.8	8
20	Intermolecular band dispersion in a self-assembled phthalocyanine derivative film: The case of tetrakis(thiadiazole)porhyrazine. <i>Physical Review B</i> , 2010, 82, .	3.2	7
21	Experimental Methods for Spin- and Angle-Resolved Photoemission Spectroscopy Combined with Polarization-Variable Laser. <i>Journal of Visualized Experiments</i> , 2018, .	0.3	5
22	Temperature-Induced Valence Transition of EuNi ₂ (Si _{0.25} Ge _{0.75}) ₂ Studied by Eu 4d-4f Resonant Photoemission and Optical Conductivity. <i>Journal of the Physical Society of Japan</i> , 2002, 71, 255-257.	1.6	3
23	Enhancement of electron correlation in Co thin clusters grown on GaAs(001). <i>Physical Review B</i> , 2006, 73, .	3.2	2
24	Weak Electron Correlation Effects Observed in Angle-Resolved Photoemission Spectra of MnSi(100). <i>Journal of the Physical Society of Japan</i> , 2008, 77, 024709.	1.6	2
25	Topological Surface State of Bi ₂ Se ₃ Modified by Adsorption of Organic Donor Molecule Tetrathianaphthacene. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000524.	3.7	2
26	Giant Rashba system on a semiconductor substrate with tunable Fermi level: Bi/GaSb(110)-(2Å-1). <i>Physical Review Materials</i> , 2019, 3, .	2.4	2
27	Development of a Scanning Tunneling Microscope Combined with a Synchrotron Radiation Light Source. <i>Hyomen Kagaku</i> , 2005, 26, 752-756.	0.0	2
28	Selective observation of surface and bulk bands in polar WTe ₂ by laser-based spin- and angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2022, 105, .		
29	Scaling law for Rashba-type spin splitting in quantum-well films. <i>Physical Review B</i> , 2021, 104, .	3.2	1
30	Two-Dimensional Surface Adatom of Gas Phase and Core-Level Photoemission Spectroscopy. <i>Hyomen Kagaku</i> , 2003, 24, 556-562.	0.0	0
31	Surface States of LaB ₆ (001) Studied by Inverse Photoemission. <i>E-Journal of Surface Science and Nanotechnology</i> , 2005, 3, 367-369.	0.4	0
32	Visualization of optical polarization transfer to photoelectron spin vector emitted from a spin-orbit coupled surface state. <i>Physical Review B</i> , 2022, 105, .	3.2	0