Yasumasa Takagi

List of Publications by Year
in descending order

70	1,327	279798 23	377865 34
papers	citations	h-index	g-index

71	71	71	1876
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Materials Science Research by Ambient Pressure X-ray Photoelectron Spectroscopy Systems at Synchrotron Radiation Facilities in Japan: Applications in Energy, Catalysis, and Sensors. Synchrotron Radiation News, 2022, 35, 19-25.	0.8	1
2	Sulfur poisoning of Pt and PtCo anode and cathode catalysts in polymer electrolyte fuel cells studied by operando near ambient pressure hard X-ray photoelectron spectroscopy. Physical Chemistry Chemical Physics, 2021, 23, 3866-3873.	2.8	15
3	Quick Operando Ambient Pressure Hard X-ray Photoelectron Spectroscopy for Reaction Kinetic Measurements of Polymer Electrolyte Fuel Cells. Journal of Physical Chemistry C, 2020, 124, 17520-17527.	3.1	12
4	Interplay between electronic correlation and atomic disorder in a low carrier density <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>4</mml:mn><mml:mi>d</mml:mi><mml:mrow></mml:r transition-metal oxide. Physical Review B, 2020, 102, .	3.2	6
5	Status of Synchrotron Radiation X-ray-based Multi-analytical Beamline BL36XU for Fuel Cell Electrocatalysis Research at SPring-8. Synchrotron Radiation News, 2020, 33, 26-28.	0.8	1
6	Charge correlation in V2OPO4 probed by hard x-ray photoemission spectroscopy. Physical Review B, 2020, 101, .	3.2	0
7	Emergence of Oxygen Reduction Activity in Zirconium Oxide-Based Compounds in Acidic Media: Creation of Active Sites for the Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2019, 123, 18150-18159.	3.1	23
8	Persistent superconductivity in atomic layer-magnetic molecule van der Waals heterostructures: a comparative study. Molecular Systems Design and Engineering, 2019, 4, 511-518.	3.4	10
9	SPringâ€8 BL36XU: Synchrotron Radiation Xâ€Rayâ€Based Multiâ€Analytical Beamline for Polymer Electrolyte Fuel Cells under Operating Conditions. Chemical Record, 2019, 19, 1444-1456.	5.8	25
10	Nature of Carrier Doping in Tâ€²-La_{1.8â^'}_xEu_{0.2}Sr_xCuO₄ Studied by X-Ray Photoemission and Absorption Spectroscopy. Journal of the Physical Society of Japan, 2019, 88, 115004.	1.6	5
11	Operando Observation of Sulfur Species Poisoning Polymer Electrolyte Fuel Cell Studied by Near Ambient Pressure Hard X-ray Photoelectron Spectroscopy. Journal of Physical Chemistry C, 2019, 123, 603-611.	3.1	21
12	Dynamic Interface Formation in Magnetic Thin Film Heterostructures. Advanced Functional Materials, 2019, 29, 1804594.	14.9	3
13	Development of Ambient Pressure Hard X-ray Photoelectron Spectroscopy at SPring-8. Journal of Surface Analysis (Online), 2019, 26, 158-159.	0.1	0
14	Operando Observation of a Polymer Electrolyte Fuel Cell Electrode by Ambient Pressure Hard X-ray Photoelectron Spectroscopy. Vacuum and Surface Science, 2019, 62, 33-38.	0.1	0
15	Ambient Pressure Hard X-ray Photoelectron Spectroscopy for Functional Material Systems as Fuel Cells under Working Conditions. Accounts of Chemical Research, 2018, 51, 719-727.	15.6	40
16	Origin of magnetic properties in carbon implanted ZnO nanowires. Scientific Reports, 2018, 8, 7758.	3.3	40
17	In situ study of oxidation states of platinum nanoparticles on a polymer electrolyte fuel cell electrode by near ambient pressure hard X-ray photoelectron spectroscopy. Physical Chemistry Chemical Physics, 2017, 19, 6013-6021.	2.8	42
18	Large-Gap Magnetic Topological Heterostructure Formed by Subsurface Incorporation of a Ferromagnetic Layer. Nano Letters, 2017, 17, 3493-3500.	9.1	129

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19	Controlled Modification of Superconductivity in Epitaxial Atomic Layerâ€“Organic Molecule Heterostructures. Nano Letters, 2017, 17, 2287-2293.	9.1	34
20	Non-contact electric potential measurements of electrode components in an operating polymer electrolyte fuel cell by near ambient pressure XPS. Physical Chemistry Chemical Physics, 2017, 19, 30798-30803.	2.8	14
21	X-ray photoelectron spectroscopy under real ambient pressure conditions. Applied Physics Express, 2017, 10, 076603.	2.4	38
22	Thickness-dependent electronic and magnetic properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mi>Î³</mml:mi><mml:mo>â€²</mml:mo></mm mathvariant="normal">N</mml:mi></mml:mrow></mml:math> atomic layers on Cu(001). Physical Review B, 2017, 95, .	3.2	22
23	SPring-8 BL36XU: Catalytic Reaction Dynamics for Fuel Cells. Journal of Physics: Conference Series, 2016, 712, 012142.	0.4	22
24	In situ Investigation of a Polymer Electrolyte Fuel Cell Electrode Using Ambient Pressure Hard X-ray Photoelectron Spectroscopy. Hyomen Kagaku, 2016, 37, 14-18.	0.0	0
25	Investigating Orbital Magnetic Moments in Spinel-Type MnV₂O₄ Using X-ray Magnetic Circular Dichroism. Journal of the Physical Society of Japan, 2015, 84, 104703.	1.6	14
26	Visualizing chemical states and defects induced magnetism of graphene oxide by spatially-resolved-X-ray microscopy and spectroscopy. Scientific Reports, 2015, 5, 15439.	3.3	31
27	Direct Synthesis of Vanadium Phthalocyanine and Its Electronic and Magnetic States in Monolayers and Multilayers on Ag(111). Journal of Physical Chemistry C, 2015, 119, 9805-9815.	3.1	36
28	In situ study of an oxidation reaction on a Pt/C electrode by ambient pressure hard X-ray photoelectron spectroscopy. Applied Physics Letters, 2014, 105, .	3.3	44
29	Perpendicular magnetic anisotropy at the interface between ultrathin Fe film and MgO studied by angular-dependent x-ray magnetic circular dichroism. Applied Physics Letters, 2014, 105, .	3.3	77
30	Oscillations of the Orbital Magnetic Moment due to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>-Band Quantum Well States. Physical Review Letters, 2014, 113, 067203.	7.8	27
31	Magnetic Interactions of Vanadyl Phthalocyanine with Ferromagnetic Iron, Cobalt, and Nickel Surfaces. Journal of Physical Chemistry C, 2014, 118, 17633-17637.	3.1	17
32	Molecular Orientation and Electronic States of Vanadyl Phthalocyanine on Si(111) and Ag(111) Surfaces. Journal of Physical Chemistry C, 2013, 117, 22843-22851.	3.1	30
33	Passivating effect of Si(111)-()Ag and Si₃N₄/Si(111)-(8Ã—8) buffer layers. Journal of Physics: Conference Series, 2013, 430, 012129.	0.4	5
34	Growth process and magnetic properties of iron nanoparticles deposited on Si<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>N<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		

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37	Ferromagnetic interlayer coupling in C60â€“Co compound/Ni bilayer structure. Chemical Physics Letters, 2011, 511, 68-72.	2.6	5
38	Polarization dependent soft X-ray emission spectroscopy of cobalt nano-islands on a nitrogen-adsorbed Cu(001) surface. Journal of Electron Spectroscopy and Related Phenomena, 2010, 181, 225-228.	1.7	1
39	Magnetic circular dichroism study of ultrathin Ni films by threshold photoemission and angle resolved photoemission spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2010, 181, 164-167.	1.7	3
40	Spin reorientation transitions of Ni/Pd(111) films induced by Fe deposition. Physical Review B, 2010, 81, .	3.2	6
41	Structure and magnetic properties of iron nitride thin films on Cu(001). Physical Review B, 2010, 81, .	3.2	42
42	Two-photon photoemission magnetic circular dichroism and its energy dependence. Physical Review B, 2009, 79, .	3.2	9
43	X-ray absorption spectroscopy and magnetic circular dichroism in codeposited C60â€“Co films with giant tunnel magnetoresistance. Chemical Physics Letters, 2009, 470, 244-248.	2.6	19
44	Multiple Electronic Excitation Using Scanning Tunneling Microscopy on Ge(001). Journal of the Physical Society of Japan, 2009, 78, 063601.	1.6	0
45	Surface restructuring process on a Ag/Ge(001) surface studied by photoelectron spectroscopy. Applied Surface Science, 2008, 254, 7638-7641.	6.1	1
46	Nanoscale elemental identification by synchrotronâ€radiationâ€based scanning tunneling microscopy. Surface and Interface Analysis, 2008, 40, 1033-1036.	1.8	12
47	Soft X-ray emission spectroscopy of Co nanoislands on a nitrogen-adsorbed Cu(001) surface. Surface Science, 2008, 602, L65-L68.	1.9	2
48	Magnetic circular dichroism for surface and thin film magnetism: Measurement techniques and surface chemical applications. International Reviews in Physical Chemistry, 2008, 27, 449-505.	2.3	27
49	Roughening Surface of Layered Manganite La0.5Sr1.5MnO4by Scanning Tunneling Microscopy. Japanese Journal of Applied Physics, 2008, 47, 6456-6458.	1.5	1
50	Enhancements of Spin and Orbital Magnetic Moments of Submonolayer Co on Cu(001) Studied by X-ray Magnetic Circular Dichroism Using Superconducting Magnet and Liquid He Cryostat. Japanese Journal of Applied Physics, 2008, 47, 2132.	1.5	33
51	Magnetic properties of self-assembled Co nanorods grown onCu(110)â˜(2Ã—3)N. Physical Review B, 2008, 78, .	3.2	9
52	Electron correlation effects in Co nanoscale islands on a nitrogen-covered Cu(001) surface. Physical Review B, 2008, 77, .	3.2	4
53	Superstructure manipulation on a clean Ge(001) surface by carrier injection using an STM. Physical Review B, 2007, 75, .	3.2	23
54	An Atomic Seesaw Switch Formed by Tilted Asymmetric Sn-Ge Dimers on a Ge (001) Surface. Science, 2007, 315, 1696-1698.	12.6	29

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55	Strain-induced change in electronic structure of Cu(100). Physical Review B, 2007, 75, .	3.2	34
56	Study for noise reduction in synchrotron radiation based scanning tunneling microscopy by developing insulator-coat tip. Surface Science, 2007, 601, 5294-5299.	1.9	18
57	Development of a scanning tunneling microscope forin situexperiments with a synchrotron radiation hard-X-ray microbeam. Journal of Synchrotron Radiation, 2006, 13, 216-220.	2.4	45
58	Scanning Tunneling Microscopy Combined with Hard X-ray Microbeam of High Brilliance from Synchrotron Radiation Source. Japanese Journal of Applied Physics, 2006, 45, 1913-1916.	1.5	8
59	Nonlocal Manipulation of Dimer Motion at Ge(001) Clean Surface via Hot Carriers in Surface States. Journal of the Physical Society of Japan, 2005, 74, 3143-3146.	1.6	7
60	Electronic structures of Ag/Ge(001) surfaces. Surface Science, 2005, 591, 108-116.	1.9	4
61	Role of a topological defect in the local structure transformation on clean Ge(001) surface by STM. Surface Science, 2005, 593, 133-138.	1.9	5
62	Electronic states of the clean Ge(001) surface near Fermi energy. Physical Review B, 2005, 72, .	3.2	50
63	Control of the Surface Superstructures on the Ge(001) Clean Surface. Hyomen Kagaku, 2005, 26, 315-321.	0.0	0
64	Atomic-Scale Control of Surface Reconstruction on Ge(001) by Scanning Tunneling Microscopy at 80 K. Japanese Journal of Applied Physics, 2004, 43, L386-L389.	1.5	4
65	Rewritable nanopattern on a Ge(001) surface utilizing p(2Ã—2)-to-c(4Ã—2) transition of surface reconstruction induced by a scanning tunneling microscope. Applied Physics Letters, 2004, 84, 1925-1927.	3.3	20
66	Reversible local-modification of surface structure on clean Ge(001) by scanning tunneling microscopy below 80 K. Surface Science, 2004, 559, 1-15.	1.9	31
67	Local and Reversible Change of the Reconstruction on Ge(001) Surface betweenc(4Ã—2) andp(2Ã—2) by Scanning Tunneling Microscopy. Journal of the Physical Society of Japan, 2003, 72, 2425-2428.	1.6	34
68	Formation of iron silicide nanodots on Si(111)â€“Ag. Surface Science, 2002, 514, 167-171.	1.9	9
69	STM and RHEED studies on low-temperature growth of GaAs(). Surface Science, 2002, 514, 350-355.	1.9	3
70	Structural analysis of GaAs(001)-c(4Ã—4) with LEED IV technique. Surface Science, 2001, 493, 227-231.	1.9	25