

Hisashi Hayashi

List of Publications by Year in descending order

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79
papers

1,518
citations

489802

18
h-index

388640

36
g-index

82
all docs

82
docs citations

82
times ranked

1224
citing authors

#	ARTICLE	IF	CITATIONS
1	Cs sorption of Mn ²⁺ /Fe based Prussian blue analogs with periodic precipitation banding in agarose gel. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 9374-9383.	1.3	7
2	Precipitation Patterns in Reaction-Diffusion-Reaction Systems of Prussian Blue and Cu ²⁺ /Fe-Based Prussian Blue Analogues. <i>Frontiers in Physics</i> , 2022, 10, .	1.0	2
3	A Reaction-Diffusion-Reaction System for Forming Periodic Precipitation Bands of Cu-Fe-Based Prussian Blue Analogues. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 5000.	1.3	4
4	A Reaction-Diffusion-Reaction System for Forming Periodic Precipitation Bands of Cu-Fe-Based Prussian Blue Analogues: A Recent Study. , 2021, , 18-36.		0
5	Highly Resolved Mn <i>K</i> β Emission: A Potential Probe in Laboratory for Analysis of Ligand Coordination around Mn Atoms in Gels and Solutions. <i>Analytical Sciences</i> , 2020, 36, 1197-1202.	0.8	0
6	In situ XRF analysis of Cs adsorption by the precipitation bands of Prussian blue analogues formed in agarose gels. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 979-985.	1.6	9
7	Low-Cost, High-Performance Sample Cell for X-Ray Spectroscopy of Solutions and Gels Made from Plastic Straw. <i>Analytical Sciences</i> , 2019, 35, 651-357.	0.8	8
8	An XAFS study of Cs adsorption by the precipitation bands of Mn ²⁺ /Fe-based Prussian blue analogues spontaneously formed in agarose gel. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 22553-22562.	1.3	11
9	Spontaneous precipitation pattern formation by crystallites of Mn ²⁺ /Fe-based Prussian blue analogues in agarose gel. <i>RSC Advances</i> , 2019, 9, 36240-36247.	1.7	10
10	Magnetic-Field-Induced Painting-Out of Precipitation Bands of Mn ²⁺ /Fe-Based Prussian Blue Analogues in Water-Glass Gels. <i>ACS Omega</i> , 2018, 3, 4494-4501.	1.6	15
11	X-ray spectroscopic analysis of stochastic, periodic precipitation in Co ²⁺ /Fe-Based Prussian blue analogues. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 957-966.	1.6	7
12	Gel-State Dependencies of Brown Patterns of Mn ²⁺ /Fe-Based Prussian Blue Analogues Studied by Combined X-ray Spectroscopies. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 807-819.	2.0	13
13	Lifetime-Broadening-Suppressed X-ray Absorption Spectrum of YbAlB_4 Deduced from Yb <i>d</i> β Resonant X-ray Emission Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 014711.	0.7	10
14	X-ray spectroscopic analysis of Liesegang patterns in Mn ²⁺ /Fe-based Prussian blue analogs. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 1658-1672.	1.6	19
15	An X-ray Spectroscopic Study of Co ²⁺ /Fe-Based Prussian Blue Analog Gels. <i>Bulletin of the Chemical Society of Japan</i> , 2016, 89, 1510-1517.	2.0	5
16	A combined X-ray spectroscopic study on the multicolored pattern formation in gels containing FeCl_3 and $\text{K}_3[\text{Fe}(\text{CN})_6]$. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 912-923.	1.6	10
17	Accurate Measurements of Dielectric and Optical Functions of Liquid Water and Liquid Benzene in the VUV Region (1 st 100 eV) Using Small-Angle Inelastic X-ray Scattering. <i>Journal of Physical Chemistry B</i> , 2015, 119, 5609-5623.	1.2	36
18	<i>In vivo</i> time-resolved X-ray fluorescence mapping measurements of <i>Egeria densa</i> immersed in Cr(VI) aqueous solution. <i>X-Ray Spectrometry</i> , 2014, 43, 292-297.	0.9	7

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19	Chemical effects of $L\tilde{3}4$ emission spectra. Journal of Electron Spectroscopy and Related Phenomena, 2014, 196, 58-60.	0.8	4
20	A new method for determining the valence of lanthanide compounds: $L\tilde{3}4$ emission spectroscopy. Journal of Analytical Atomic Spectrometry, 2013, 28, 373.	1.6	10
21	Chemical effects of high-resolution $Yb\langle i\rangle L\tilde{3}\langle /i\rangle\langle sub\rangle 4\langle /sub\rangle$ emission spectra: a possible probe for chemical analysis. X-Ray Spectrometry, 2013, 42, 450-455.	0.9	12
22	Resonant inelastic x-ray scattering of CeB6 at the Ce L1- and L3-edges. Journal of Chemical Physics, 2012, 136, 194501.	1.2	8
23	$K\tilde{2}$ Detected High-Resolution XANES of FeII and FeIII Models of the 2-His-1-Carboxylate Motif: Analysis of the Carboxylate Binding Mode. European Journal of Inorganic Chemistry, 2012, 2012, 1589-1597.	1.0	13
24	Oxidation state sensitivity of Eu $L\tilde{3}4$ emission and its applications to oxidation state selective EXAFS spectroscopy of EuPd2Si2. Journal of Analytical Atomic Spectrometry, 2011, 26, 1858.	1.6	15
25	SIMâ€RIXS: a program to simulate resonant inelastic Xâ€ray scattering. X-Ray Spectrometry, 2011, 40, 24-30.	0.9	15
26	Chemical Effects of $CeL\tilde{3}4$ Emission Spectra for Ce Compounds. Analytical Sciences, 2010, 26, 885-889.	0.8	17
27	Applications of Resonant Inelastic X-ray Scattering to Chemical-State Analysis. Bunseki Kagaku, 2010, 59, 425-435.	0.1	1
28	Generalized Oscillator Strength Distribution of Liquid Water. , 2010, , 87-104.		1
29	Chemical effects on valence \tilde{t}^L emissions of lanthanide compounds. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2009, 64, 753-755.	1.5	2
30	Interpretation of correlation length by small-angle X-ray scattering experiments on fluids near critical point. Chemical Physics Letters, 2009, 471, 249-252.	1.2	7
31	Probe for Spin- and Valence-Selective X-ray Absorption Fine Structure Spectroscopy: $EuL\tilde{3}4$ Emission. Analytical Chemistry, 2009, 81, 1522-1528.	3.2	18
32	Valence-selective XAFS spectroscopy using $EuL\tilde{3}4$ emission. Journal of Physics: Conference Series, 2009, 190, 012050.	0.3	4
33	Lifetimeâ€broadeningâ€suppressed XANES spectra of copper complexes. X-Ray Spectrometry, 2008, 37, 232-236.	0.9	2
34	Polarized SSXANES study of spin ordering in ferromagnetic and paramagnetic phases of $La1.2Sr1.65Ca0.15Mn2O7$. Journal of Magnetism and Magnetic Materials, 2008, 320, 1528-1534.	1.0	0
35	A cartography of $K\tilde{2}$ resonant inelastic X-ray scattering for lifetime-broadening-suppressed spin-selected XANES of $l\pm$ -Fe2O3. Journal of Electron Spectroscopy and Related Phenomena, 2008, 168, 34-39.	0.8	18
36	X-ray Spectrometry. Analytical Chemistry, 2008, 80, 4421-4454.	3.2	23

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37	Lifetime-Broadening-Suppressed Selective XAFS Spectroscopy. Analytical Sciences, 2008, 24, 15-23.	0.8	38
38	Selective XAFS Studies of Functional Materials by Resonant Inelastic X-Ray Scattering. AIP Conference Proceedings, 2007, , .	0.3	7
39	Spin-polarized Mn K-edge XANES analysis of Mn oxides. Journal of Magnetism and Magnetic Materials, 2007, 310, e953-e955.	1.0	1
40	Polarized lifetime-broadening-suppressed XANES study of $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. Radiation Physics and Chemistry, 2006, 75, 1586-1590.	1.4	5
41	Local spin ordering in the antiferromagnetic as well as paramagnetic LaMnO_3 phase revealed by polarized spin-selected $L_{2,3}$ absorption spectra. Physical Review B, 2006, 73, .	1.1	11
42	Selective XANES spectroscopy from RIXS contour maps. Journal of Physics and Chemistry of Solids, 2005, 66, 2168-2172.	1.9	13
43	LifetimeBroadeningRemoved XANES Spectroscopy by HighResolution Resonant Inelastic XRay Scattering. Physica Scripta, 2005, , 1094.	1.2	5
44	A MultiCrystal Spectrometer with a TwoDimensional PositionSensitive Detector for Xray Fluorescence Spectroscopy. Physica Scripta, 2005, , 1097.	1.2	0
45	Fine structure in the quadrupolar transition of the $\text{Ho} L_{3}$ pre-edge observed by lifetime-broadening-suppressed XANES spectroscopy. Physical Review B, 2005, 72, .	1.1	11
46	Quadrupole transition in the $\text{Dy} L_{3}$ edge observed by lifetime-broadening-suppressed XANES spectroscopy. Physical Review B, 2004, 70, .	1.1	24
47	Extended spin-polarized x-ray absorption near-edge spectra of MnO . Physical Review B, 2004, 70, .	1.1	15
48	A multi-crystal spectrometer with a two-dimensional position-sensitive detector and contour maps of resonant $K\beta$ emission in Mn compounds. Journal of Electron Spectroscopy and Related Phenomena, 2004, 136, 191-197.	0.8	48
49	Lifetime-broadening-suppressed polarized Cu K X-ray absorption near edge structure of $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$ measured by resonant inelastic X-ray scattering spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2004, 136, 199-204.	0.8	9
50	Resonant and near-resonant inelastic X-ray scattering spectroscopy and lifetime-broadening-removed XANES of CuO . Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 277-280.	0.8	4
51	$X_{\text{Cu}}^{\text{res}}(\omega)$. Journal of the Spectroscopical Society of Japan, 2004, 53, 283-294.	0.0	1
52	Lifetime-broadening removed X-ray absorption near edge structure by resonant inelastic X-ray scattering spectroscopy. Chemical Physics Letters, 2003, 371, 125-130.	1.2	39
53	Lifetime-broadening-suppressed/free XANES spectroscopy by high-resolution resonant inelastic x-ray scattering. Physical Review B, 2003, 68, .	1.1	52
54	Hidden electronic state of CuO revealed by resonant inelastic x-ray scattering. Physical Review B, 2002, 66, .	1.1	31

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55	CHEMICAL APPLICATIONS OF INELASTIC X-RAY SCATTERING. Advanced Series in Physical Chemistry, 2002, , 850-908.	1.5	11
56	Momentum dependence of $\tilde{\epsilon}''$ excitations of benzene rings in condensed phases. Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 933-937.	0.8	3
57	Plasmon dispersion in metallic lithium ammonia solutions. Journal of Electron Spectroscopy and Related Phenomena, 2001, 120, 113-119.	0.8	10
58	Inelastic X-ray scattering study on molecular liquids. Journal of Physics and Chemistry of Solids, 2000, 61, 407-409.	1.9	29
59	Bethe surfaces and X-ray incoherent scattering factor for H ₂ O studied by electron energy loss spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2000, 112, 107-114.	0.8	14
60	The complete optical spectrum of liquid water measured by inelastic x-ray scattering. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 6264-6266.	3.3	177
61	Inelastic X-ray scattering in molecular liquids and electron correlation effects. Journal of Synchrotron Radiation, 1998, 5, 1052-1054.	1.0	1
62	Optical spectra of liquid water in vacuum uv region by means of inelastic x-ray scattering spectroscopy. Journal of Chemical Physics, 1998, 108, 823-825.	1.2	68
63	Static structure factor and electron correlation effects studied by inelastic x-ray scattering spectroscopy. Journal of Chemical Physics, 1998, 108, 4545-4553.	1.2	38
64	Recent Developments of Inelastic X-ray Scattering Spectroscopy.. Nihon Kessho Gakkaishi, 1998, 40, 177-184.	0.0	0
65	Bethe Surface of Liquid Water Determined by Inelastic X-Ray Scattering Spectroscopy and Electron Correlation Effects. Bulletin of the Chemical Society of Japan, 1997, 70, 719-726.	2.0	75
66	Effects of Water Vapor upon Partial Oxidation of Methane over Highly-dispersed MoO ₃ /SiO ₂ . Chemistry Letters, 1997, 26, 31-32.	0.7	2
67	X-Ray Raman Spectra from Low-Z Elements. European Physical Journal Special Topics, 1997, 7, C2-347-C2-352.	0.2	1
68	Anisotropy of hexagonal boron nitride core absorption spectra by x-ray Raman spectroscopy. Applied Physics Letters, 1996, 69, 1370-1372.	1.5	45
69	Radiative Auger spectra of several K and Ca compounds. Journal of Physics Condensed Matter, 1996, 8, 37-46.	0.7	8
70	NO-induced morphology changes by XAFS study. Physica B: Condensed Matter, 1995, 208-209, 683-684.	1.3	11
71	X-Ray Resonant Raman Spectra of Several Copper Compounds. Journal of the Physical Society of Japan, 1994, 63, 1713-1720.	0.7	14
72	Small-Angle X-Ray Scattering Study on the Growth of Metal Silicate Polymers in Solution. Bulletin of the Chemical Society of Japan, 1993, 66, 1024-1027.	2.0	3

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73	SAXS Curve Shape Analysis of 2-Butoxyethanol Aqueous Solutions. Bulletin of the Chemical Society of Japan, 1992, 65, 600-602.	2.0	13
74	Mixing State of 1-Propanol Aqueous Solutions Studied by Small-Angle X-Ray Scattering: A New Parameter Reflecting the Shape of SAXS Curve. Bulletin of the Chemical Society of Japan, 1992, 65, 155-159.	2.0	36
75	Construction of a Point-Focusing Small-Angle X-Ray Scattering Diffractometer for the Study of Fluctuations in Solutions. Japanese Journal of Applied Physics, 1991, 30, 870-874.	0.8	5
76	Easy derivation of the formula relating the fluctuations of a binary system to the X-ray scattering intensity extrapolated to $s = 0$. Journal of Applied Crystallography, 1990, 23, 134-135.	1.9	21
77	Small-angle x-ray scattering study of fluctuations in 1-propanol-water and 2-propanol-water systems. The Journal of Physical Chemistry, 1990, 94, 8334-8338.	2.9	119
78	Temperature dependence of the concentration fluctuation, the Kirkwood-Buff parameters, and the correlation length of tert-butyl alcohol and water mixtures studied by small-angle x-ray scattering. The Journal of Physical Chemistry, 1989, 93, 6559-6565.	2.9	145
79	Construction of a Small-Angle X-Ray Scattering Diffractometer for the Study of Fluctuations in Solutions. Japanese Journal of Applied Physics, 1989, 28, 1501-1503.	0.8	4