

# Takenao Shinohara

## List of Publications by Year in descending order

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187  
papers

2,206  
citations

279487

23  
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315357

38  
g-index

189  
all docs

189  
docs citations

189  
times ranked

1481  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Ferromagnetism of Pd Fine Particles. <i>Physical Review Letters</i> , 2003, 91, 197201.	2.9	198
2	Hierarchic Structure of Shish-Kebab by Neutron Scattering in a Wide Q Range. <i>Macromolecules</i> , 2007, 40, 3650-3654.	2.2	102
3	Materials and Life Science Experimental Facility (MLF) at the Japan Proton Accelerator Research Complex II: Neutron Scattering Instruments. <i>Quantum Beam Science</i> , 2017, 1, 9.	0.6	69
4	Development of a neutron detector based on a position-sensitive photomultiplier. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 1836.	1.3	60
5	Final design of the Energy-Resolved Neutron Imaging System $\epsilon$ -RADEN at J-PARC. <i>Journal of Physics: Conference Series</i> , 2016, 746, 012007.	0.3	59
6	The energy-resolved neutron imaging system, RADEN. <i>Review of Scientific Instruments</i> , 2020, 91, 043302.	0.6	51
7	Quantitative magnetic field imaging by polarized pulsed neutrons at J-PARC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 651, 121-125.	0.7	50
8	The Design and $q$ Resolution of the Small and Wide Angle Neutron Scattering Instrument (TAIKAN) in J-PARC. , 2015, , .		44
9	Design of neutron beamline for fundamental physics at J-PARC BL05. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 600, 342-345.	0.7	43
10	Spatial resolution of a $\frac{1}{4}$ PIC based neutron imaging detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 726, 155-161.	0.7	39
11	Upgrade of Bragg Edge Analysis Techniques of the RITS Code for Crystalline Structural Information Imaging. <i>Physics Procedia</i> , 2013, 43, 186-195.	1.2	36
12	Time-of-Flight Three Dimensional Neutron Diffraction in Transmission Mode for Mapping Crystal Grain Structures. <i>Scientific Reports</i> , 2017, 7, 9561.	1.6	36
13	A new imaging method using pulsed neutron sources for visualizing structural and dynamical information. <i>Journal of Physics: Conference Series</i> , 2012, 340, 012010.	0.3	35
14	Neutron imaging detector based on the $\frac{1}{4}$ micro-pixel chamber. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013, 697, 23-31.	0.7	35
15	Non-Destructive Study of Bulk Crystallinity and Elemental Composition of Natural Gold Single Crystal Samples by Energy-Resolved Neutron Imaging. <i>Scientific Reports</i> , 2017, 7, 40759.	1.6	35
16	Neutron resonance transmission spectroscopy with high spatial and energy resolution at the J-PARC pulsed neutron source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 746, 47-58.	0.7	34
17	Far-field interference of a neutron white beam and the applications to noninvasive phase-contrast imaging. <i>Physical Review A</i> , 2017, 95, .	1.0	32
18	Three Dimensional Polarimetric Neutron Tomography of Magnetic Fields. <i>Scientific Reports</i> , 2018, 8, 2214.	1.6	30

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19	A focusing-geometry small-angle neutron scattering instrument with a magnetic neutron lens. Journal of Applied Crystallography, 2007, 40, s408-s413.	1.9	29
20	Differential cross sections of proton Compton scattering in the resonance region. Nuclear Physics B, 1980, 165, 189-208.	0.9	28
21	Design and performance analyses of the new time-of-flight smaller-angle neutron scattering instrument at J-PARC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 600, 111-113.	0.7	28
22	Time-of-flight neutron Bragg-edge transmission imaging of microstructures in bent steel plates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 675, 19-31.	2.6	27
23	Ferromagnetism induced by strains in Pd nanoparticles. Physical Review B, 2008, 78, .	1.1	23
24	Development of a compact on-beam SEOP neutron spin filter. Physica B: Condensed Matter, 2009, 404, 2667-2669.	1.3	23
25	Investigation of dissimilar metal welds by energy-resolved neutron imaging. Journal of Applied Crystallography, 2016, 49, 1130-1140.	1.9	23
26	Commissioning start of Energy-Resolved Neutron Imaging System, RADEN in J-PARC. Neutron News, 2015, 26, 11-14.	0.1	22
27	Evaluation of nuclide density by neutron resonance transmission at the NOBORU instrument in J-PARC/MLF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 773, 137-149.	0.7	22
28	Differential cross sections of proton Compton scattering in the energy range between 450 and 950 MeV. Nuclear Physics B, 1978, 141, 364-378.	0.9	21
29	Present Status of Research on Pulsed Neutron Imaging in Japan. Physics Procedia, 2013, 43, 92-99.	1.2	21
30	Investigation of microstructure in additive manufactured Inconel 625 by spatially resolved neutron transmission spectroscopy. Science and Technology of Advanced Materials, 2016, 17, 324-336.	2.8	21
31	Polarization measurements in neutron imaging. Journal Physics D: Applied Physics, 2019, 52, 123001.	1.3	21
32	Feasibility study on application of a magnetic neutron lens to SANS experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 529, 116-119.	0.7	20
33	X-ray magnetic circular dichroism study on ferromagnetic Pd nanoparticles. Journal Physics D: Applied Physics, 2008, 41, 134024.	1.3	20
34	Visibility Estimation for Neutron Resonance Absorption Radiography using a Pulsed Neutron Source. Physics Procedia, 2013, 43, 111-120.	1.2	20
35	Recent Progress in X-ray and Neutron Phase Imaging with Gratings. Quantum Beam Science, 2020, 4, 9.	0.6	20
36	In-Situ Observation of Phase Separation During Growth of Cs <sub>2</sub> LiLaBr <sub>6</sub> :Ce Crystals Using Energy-Resolved Neutron Imaging. Crystal Growth and Design, 2017, 17, 6372-6381.	1.4	19

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37	Bragg-edge elastic strain tomography for <i>in situ</i> systems from energy-resolved neutron transmission imaging. <i>Physical Review Materials</i> , 2017, 1, .	0.9	19
38	Design study of the imaging beam line at J-PARC MLF, ERNIS. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 651, 16-20.	0.7	18
39	Development and application of a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e550" altimg="si44.svg" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle \text{He}$ Neutron Spin Filter at J-PARC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 977, 164301.	0.7	18
40	Further Improvement of the RITS Code for Pulsed Neutron Bragg-edge Transmission Imaging. <i>Physics Procedia</i> , 2017, 88, 322-330.	1.2	17
41	Inverse pole figure mapping of bulk crystalline grains in a polycrystalline steel plate by pulsed neutron Bragg-dip transmission imaging. <i>Journal of Applied Crystallography</i> , 2017, 50, 1601-1610.	1.9	17
42	A compact SEOP <sup>3</sup> He neutron spin filter with AFP NMR. <i>Journal of Physics: Conference Series</i> , 2012, 340, 012006.	0.3	16
43	Tomographic Reconstruction of Two-Dimensional Residual Strain Fields from Bragg-Edge Neutron Imaging. <i>Physical Review Applied</i> , 2018, 10, .	1.5	16
44	Neutron computed tomography of phase separation structures in solidified Cu Co alloys and investigation of relationship between the structures and melt convection during solidification. <i>Scripta Materialia</i> , 2020, 175, 29-32.	2.6	16
45	Development of a multichannel parabolic guide for thermal neutron beam focusing. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 1243-1246.	1.3	15
46	First demonstration of neutron resonance absorption imaging using a high-speed video camera in J-PARC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 651, 126-130.	0.7	15
47	Recoil proton polarization of neutral pion photoproduction from protons in the energy range between 400 MeV and 1142 MeV. <i>Nuclear Physics B</i> , 1980, 168, 1-16.	0.9	13
48	Development of Multi-colored Neutron Talbot-Lau Interferometer with Absorption Grating Fabricated by Imprinting Method of Metallic Glass. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 044001.	0.7	13
49	Polarization analysis for magnetic field imaging at RADEN in J-PARC/MLF. <i>Journal of Physics: Conference Series</i> , 2017, 862, 012025.	0.3	13
50	Neutron diffraction study on full-shape Japanese sword. <i>Materialia</i> , 2019, 7, 100377.	1.3	13
51	Neutron optics and a superconducting magnetic lens for small-angle neutron scattering with focusing geometry. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004, 529, 5-9.	0.7	12
52	A demonstration study of focusing geometry SANS using a magnetic lens. <i>Physica B: Condensed Matter</i> , 2005, 356, 126-130.	1.3	12
53	Performance of a multi-anode photomultiplier employing a weak electrostatic focusing system (Hamamatsu R8900 series). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 564, 378-394.	0.7	12
54	Development of modulating permanent magnet sextupole lens for focusing of pulsed cold neutrons. <i>Physica B: Condensed Matter</i> , 2009, 404, 2646-2651.	1.3	12

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55	High aspect ratio grating by isochronal imprinting of less viscous workable Gd-based metallic glass for neutron phase imaging. <i>Intermetallics</i> , 2016, 78, 55-63.	1.8	12
56	Neutron Bragg-edge transmission imaging for microstructure and residual strain in induction hardened gears. <i>Scientific Reports</i> , 2021, 11, 4155.	1.6	12
57	Differential cross sections of neutral pion photoproduction from hydrogen in the energy region from 390 MeV to 975 MeV. <i>Nuclear Physics B</i> , 1980, 168, 222-242.	0.9	11
58	Application of a neutron-polarizing device based on a quadrupole magnet to a focusing SANS instrument with a magnetic neutron lens. <i>Measurement Science and Technology</i> , 2008, 19, 034011.	1.4	11
59	Small-angle polarized neutron scattering study of spherical Fe <sub>16</sub> N <sub>2</sub> nano-particles for magnetic recording tape. <i>Physica B: Condensed Matter</i> , 2009, 404, 2575-2577.	1.3	11
60	Wavelength resolved neutron transmission analysis to identify single crystal particles in historical metallurgy. <i>European Physical Journal Plus</i> , 2014, 129, 1.	1.2	11
61	Development and demonstration of in-situ SEOP <sup>3</sup> He spin filter system for neutron spin analyzer on the SHARAKU polarized neutron reflectometer at J-PARC. <i>Journal of Physics: Conference Series</i> , 2014, 528, 012020.	0.3	11
62	Development of the Tensor CT Algorithm for Strain Tomography Using Bragg-edge Neutron Transmission. <i>Physics Procedia</i> , 2015, 69, 349-357.	1.2	11
63	Experimental Evaluation of Neutron Absorption Grating Fabricated by Oblique Evaporation of Gadolinium for Phase Imaging. <i>Physics Procedia</i> , 2017, 88, 217-223.	1.2	11
64	A magnetic neutron lens based on an extended Halbach-type permanent sextupole magnet. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 1225-1228.	1.3	10
65	Pulsed neutron beam control using a magnetic multiplet lens. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 600, 100-102.	0.7	10
66	Recent Progress of Radiography and Tomography at the Energy-resolved Neutron Imaging System RADEN. <i>Physics Procedia</i> , 2017, 88, 162-166.	1.2	10
67	Pulsed neutron imaging for differentiation of ice and liquid water towards fuel cell vehicle applications. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 1062-1071.	1.3	10
68	Tomographic reconstruction of triaxial strain fields from Bragg-edge neutron imaging. <i>Physical Review Materials</i> , 2019, 3, .	0.9	10
69	Design of a neutron polarizer using polarizing super mirrors for the TOF-SANS instrument at the J-PARC. <i>Physica B: Condensed Matter</i> , 2009, 404, 2640-2642.	1.3	9
70	Magnetic Intraparticle Structure in Ferromagnetic Pd Nanoparticle. <i>Journal of the Physical Society of Japan</i> , 2009, 78, 044711.	0.7	9
71	Recent progress on practical materials study by Bragg edge imaging at J-PARC. <i>Physica B: Condensed Matter</i> , 2018, 551, 436-442.	1.3	9
72	Three dimensional polarimetric neutron tomography“beyond the phase-wrapping limit. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 205001.	1.3	9

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73	Size dependent magnetization of PdFe fine particles. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 94-95.	1.0	8
74	Highly polarized cold neutron beam obtained by using a quadrupole magnet. Physica B: Condensed Matter, 2007, 397, 188-191.	1.3	8
75	Measurement of the neutron beam polarization of BL05/NOP beamline at J-PARC. Physica B: Condensed Matter, 2011, 406, 2424-2428.	1.3	8
76	Phase Transition Mapping by Means of Neutron Imaging in SOFC Anode Supports during Reduction under Applied Stress. ECS Transactions, 2015, 68, 1103-1114.	0.3	8
77	X-ray phase imaging using a Gd-based absorption grating fabricated by imprinting technique. Japanese Journal of Applied Physics, 2016, 55, 048003.	0.8	8
78	Magnetic field imaging of a model electric motor using polarized pulsed neutrons at J-PARC/MLF. Journal of Physics: Conference Series, 2017, 862, 012008.	0.3	8
79	Efficient phase imaging using wavelength-resolved neutron Talbot-Lau interferometry with TOF method. Europhysics Letters, 2018, 123, 12002.	0.7	8
80	Nondestructive characterization of laser powder bed fusion parts with neutron Bragg edge imaging. Additive Manufacturing, 2021, 39, 101848.	1.7	8
81	Thermal neutron refraction by material prism. Physica B: Condensed Matter, 2006, 385-386, 1232-1235.	1.3	7
82	Development of portable polarized $^3\text{He}$ neutron spin filter and its application to magnetic field imaging at J-PARC. Journal of Physics: Conference Series, 2014, 528, 012016.	0.3	7
83	Evaluation of Magnetic Field Vector by Polarization Analysis Using Pulsed Neutrons at HUNS for Magnetic Field Imaging. Physics Procedia, 2015, 69, 427-435.	1.2	7
84	Reliability Estimation of Neutron Resonance Thermometry Using Tantalum and Tungsten. Physics Procedia, 2017, 88, 306-313.	1.2	7
85	Study of the magnetization distribution in a grain-oriented magnetic steel using pulsed polarized neutron imaging. Physica B: Condensed Matter, 2018, 551, 146-151.	1.3	7
86	In-situ observation and analysis of solid-state diffusion and liquid migration in a crystal growth system: A segregation-driven diffusion couple. Acta Materialia, 2020, 186, 434-442.	3.8	7
87	Improvement of Bragg-edge Neutron Transmission Imaging for Evaluating the Crystalline Phase Volume Fraction in Steel Composed of Ferrite and Austenite. ISIJ International, 2021, 61, 1584-1593.	0.6	7
88	Monitoring residual strain relaxation and preferred grain orientation of additively manufactured Inconel 625 by in-situ neutron imaging. Additive Manufacturing, 2021, 46, 102130.	1.7	7
89	Tracer diffusion coefficients measurements on LaPO <sub>4</sub> -dispersed LATP by means of neutron radiography. Solid State Ionics, 2022, 377, 115873.	1.3	7
90	Polarization of recoil neutrons from single-pion photoproduction off protons in the resonance region. Nuclear Physics B, 1981, 188, 11-28.	0.9	6

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91	Recoil proton polarization of proton compton scattering in the resonance region. Il Nuovo Cimento A, 1981, 63, 57-70.	0.2	6
92	Development of an optical device for thermal neutrons by amorphous perfluoropolymer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 529, 134-137.	0.7	6
93	External cavity design of high-power diode laser for polarized helium-3 neutron spin filters based on spin-exchange optical pumping. Physica B: Condensed Matter, 2011, 406, 2439-2442.	1.3	6
94	A Comparative Study of the Crystallite Size and the Dislocation Density of Bent Steel Plates using Bragg-edge Transmission Imaging, TOF Neutron Diffraction and EBSD. Physics Procedia, 2017, 88, 34-41.	1.2	6
95	Non-destructive mapping of water distribution through white-beam and energy-resolved neutron imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 927, 174-183.	0.7	6
96	A parametric neutron Bragg edge imaging study of additively manufactured samples treated by laser shock peening. Scientific Reports, 2021, 11, 14919.	1.6	6
97	Development of Ni/Ti supermirrors with large-m and a curved surface. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 529, 78-83.	0.7	5
98	Ferromagnetism of gas-evaporated Pd fine particles in mesoscopic size. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1181-E1182.	1.0	5
99	Development of a triplet magnetic lens system to focus a pulsed neutron beam. Journal of Physics: Conference Series, 2010, 251, 012078.	0.3	5
100	Characterization of glasses for $^3\text{He}$ neutron spin filter cells. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 634, S122-S125.	0.7	5
101	Feasibility demonstration of a new Fermi chopper with supermirror-coated slit package. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 737, 142-147.	0.7	5
102	Applications of a micro-pixel chamber ( $\hat{1}/4\text{PIC}$ ) based, time-resolved neutron imaging detector at pulsed neutron beams. Journal of Physics: Conference Series, 2014, 502, 012048.	0.3	5
103	Investigation of microstructure within metal welds by energy resolved neutron imaging. Journal of Physics: Conference Series, 2016, 746, 012040.	0.3	5
104	Magnetic Bragg dip and Bragg edge in neutron transmission spectra of typical spin superstructures. Scientific Reports, 2017, 7, 15516.	1.6	5
105	Gas Adsorption on the Surface of Ferromagnetic Pd Nanoparticles. E-Journal of Surface Science and Nanotechnology, 2006, 4, 439-442.	0.1	5
106	Bragg edge tomography characterization of additively manufactured 316L steel. Physical Review Materials, 2022, 6, .	0.9	5
107	Spin freezing process in a reentrant ferromagnet studied by neutron depolarization analysis. Physical Review B, 2004, 70, .	1.1	4
108	Development of a PMT and DAQ system for neutron detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 529, 417-420.	0.7	4

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109	Development of neutron Anger-camera detector based on flatpanel PMT. Physica B: Condensed Matter, 2006, 385-386, 1297-1299.	1.3	4
110	Development of polarized Xe gas target for neutron experiment at J-PARC. Journal of Physics: Conference Series, 2012, 340, 012037.	0.3	4
111	Counting-type neutron imaging detectors of the energy-resolved neutron imaging system RADEN at the J-PARC/MLF. , 2015, , .		4
112	Demonstration Study of Small-Angle Polarized Neutron Scattering Using Polarized $^3\text{He}$ Neutron Spin Filter. , 2015, , .		4
113	Development of a $^3\text{He}$ nuclear spin flip system on an in-situ SEOP $^3\text{He}$ spin filter and demonstration for a neutron reflectometer and magnetic imaging technique. Journal of Physics: Conference Series, 2016, 711, 012007.	0.3	4
114	Time-of-flight Neutron Transmission Imaging of Martensite Transformation in Bent Plates of a Fe-25Ni-0.4C Alloy. Physics Procedia, 2017, 88, 42-49.	1.2	4
115	Influence of carbon concentration and magnetic transition on the austenite lattice parameter of 30Mn-C steel. Materials Characterization, 2020, 163, 110243.	1.9	4
116	A multi-technique tomography-based approach for non-invasive characterization of additive manufacturing components in view of vacuum/UHV applications: preliminary results. Rendiconti Lincei, 2021, 32, 463-477.	1.0	4
117	Calibration and optimization of Bragg edge analysis in energy-resolved neutron imaging experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1009, 165493.	0.7	4
118	The First Application of a Gd <sub>3</sub> Al <sub>2</sub> Ga <sub>3</sub> O <sub>12</sub> :Ce Single-Crystal Scintillator to Neutron Radiography. Journal of Imaging, 2021, 7, 232.	1.7	4
119	Development of a compound focusing lens: improvement of signal-to-noise ratio. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 529, 112-115.	0.7	3
120	PHOTOMULTIPLIER DEVELOPMENT AND WAVELENGTH SHIFTER MANUFACTURING TO INCREASE THE DETECTION OF FAINT FLUORESCENCE SIGNALS. International Journal of Modern Physics A, 2005, 20, 6872-6874.	0.5	3
121	2D elemental analysis approach in focused neutron beam induced prompt gamma-ray analysis at JAEA. Journal of Radioanalytical and Nuclear Chemistry, 2008, 278, 647-651.	0.7	3
122	Highly polarized very cold neutrons through a permanent magnet quadrupole. Physica B: Condensed Matter, 2009, 404, 2643-2645.	1.3	3
123	Performance of a neutron imaging detector based on the $\text{BC}^2\text{PIC}$ micro-pixel gaseous chamber. , 2010, , .		3
124	Applications of $^3\text{He}$ neutron spin filters on the small-angle neutron scattering spectrometer SANS-J-II. Journal of Physics: Conference Series, 2011, 294, 012017.	0.3	3
125	Research on glass cells for $^3\text{He}$ neutron spin filters. Physica B: Condensed Matter, 2011, 406, 2443-2447.	1.3	3
126	Quantitative Measurement of Element Distributions using the Neutron-transmission Resonance-absorption Method. Physics Procedia, 2013, 43, 314-322.	1.2	3



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127	Development of the next-generation micro pixel chamber-based neutron imaging detector ( $\hat{1}/4$ NID) for energy-resolved neutron imaging at the J-PARC/MLF. , 2016, , .		3
128	Development of an in-situ SEOP $^3$ He Neutron Spin Filter for Magnetic Imaging Techniques. Physics Procedia, 2017, 88, 231-236.	1.2	3
129	Visualization of Solidification Process in Lead-bismuth Eutectic. Physics Procedia, 2017, 88, 58-63.	1.2	3
130	Measurement and simulation for a complementary imaging with the neutron and X-ray beams. EPJ Web of Conferences, 2017, 146, 03032.	0.1	3
131	Effect of upstream beam collimation on neutron phase imaging with a Talbot-Lau interferometer at the RADEN beam line in J-PARC. Physica B: Condensed Matter, 2018, 551, 512-516.	1.3	3
132	Bayesian non-parametric Bragg-edge fitting for neutron transmission strain imaging. Journal of Strain Analysis for Engineering Design, 2021, 56, 371-385.	1.0	3
133	Spatial Resolution Test Targets Made of Gadolinium and Gold for Conventional and Resonance Neutron Imaging. , 2018, , .		3
134	Development of Compact Laser Optics for an In-situ Spin-Exchange Optical Pumping $^3$ He Neutron Spin Filter. , 2015, , .		3
135	High-spatial-resolution measurement of magnetization distribution using polarized neutron imaging. Japanese Journal of Applied Physics, 2021, 60, 126003.	0.8	3
136	A large acceptance spectrometer using wire chambers. Nuclear Instruments & Methods, 1978, 150, 131-142.	1.2	2
137	XMCD Study of Dilutely Fe Doped Pd Fine Particles. Journal of the Physical Society of Japan, 2005, 74, 1044-1048.	0.7	2
138	Simulation study of a pulsed neutron focusing using a pulsed electromagnetic lens coupled with a permanent magnet. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 600, 129-131.	0.7	2
139	Structure of glasses for $^3$ He neutron spin filter cells. Journal of Physics: Conference Series, 2011, 294, 012004.	0.3	2
140	Performance of Optical Devices for Energy-Selective Neutron Imaging in NOBORU at J-PARC. , 2014, , .		2
141	Preliminary Experiment of Magnetic Imaging Using Polarized Pulsed Neutrons at HUNS. Physics Procedia, 2014, 60, 91-96.	1.2	2
142	Development Status of the NMR System for the Polarized $^3$ He Neutron Spin Filter (NSF) in the MLF at J-PARC. , 2015, , .		2
143	Development of a pulsed neutron three-dimensional imaging system using a highly sensitive image-intensifier at J-PARC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 769, 97-104.	0.7	2
144	Characteristics of the 2012 model lithium-6 time-analyzer neutron detector (LiTA12) system as a high efficiency detector for resonance absorption imaging. Physica B: Condensed Matter, 2018, 551, 496-500.	1.3	2

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145	Generation of $^4\text{He}$ $^2\text{He}$ . Journal of Low Temperature Physics, 2019, 196, 275-282.	0.6	2
146	Imaging Measurement of Neutron Attenuation by Small-Angle Neutron Scattering Using Soller Collimator. Journal of the Physical Society of Japan, 2018, 87, 094004.	0.7	2
147	Surface magnetism of Pd-Fe fine particles. IEEE Transactions on Magnetics, 2002, 38, 2634-2636.	1.2	1
148	Development of measurement system of neutron $\hat{I}^2$ decay. Physica B: Condensed Matter, 2006, 385-386, 1219-1221.	1.3	1
149	Development of thin film neutron focusing lenses. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 634, S94-S96.	0.7	1
150	Precision Magnetic Field Mapping for the $^3\text{He}$ Neutron Spin Filter. Physics Procedia, 2013, 42, 183-190.	1.2	1
151	Quantitative Evaluation of Nuclide Density Distribution in a Substance by Neutron Resonance Absorption Transmission Method. Physics Procedia, 2014, 60, 244-253.	1.2	1
152	Super-Resolution Processing for Pulsed Neutron Imaging System Using a High-Speed Camera. , 2015, , .		1
153	Pulsed-neutron imaging by a high-speed camera and center-of-gravity processing. Journal of Instrumentation, 2018, 13, C01038-C01038.	0.5	1
154	Evaluation of High-frame-rate Camera with Digital Accumulation System Combined with Neutron Color Image Intensifier for Energy Resolved Neutron Imaging. , 2018, , .		1
155	Development of a Polarization Analysis Method for Visualization of the Magnetic Field Distribution in a Small Electric Transformer Using Pulsed Polarized Neutron Imaging. , 2018, , .		1
156	Development of Energy-Resolved Neutron Imaging Detectors at RADEN. , 2018, , .		1
157	Visualization of phase distribution in lead-bismuth eutectic during one-dimensional solidification process. Journal of Visualization, 2019, 22, 889-895.	1.1	1
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