Takayuki Oku

List of Publications by Year
in descending order

26	228	1163117 8	1058476 14
papers	citations	h-index	g-index

26	26	26	306
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Design and q Resolution of the Small and Wide Angle Neutron Scattering Instrument (TAIKAN) in J-PARC. , 2015, , .		44
2	Spatial resolution of a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0030.gif" overflow="scroll"><mml:mi>Î¼</mml:mi><mml:mi>PIC</mml:mi><mml:mi mathvariant="normal">-</mml:mi><mml:mi>based</mml:mi></mml:math> neutron imaging detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 726, 155-161.	1.6	39
3	High-Speed Neutron Imaging Using a Current-Biased Delay-Line Detector of Kinetic Inductance. Physical Review Applied, 2018, 10, .	3.8	22
4	Development and application of a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e550" altimg="si44.svg"><mml:msup><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msup></mml:math>He Neutron Spin Filter at J-PARC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 977, 164301.	1.6	18
5	Materials and Life Science Experimental Facility at the Japan Proton Accelerator Research Complex III: Neutron Devices and Computational and Sample Environments. Quantum Beam Science, 2017, 1, 10.	1.2	16
6	Neutron flux spectrum revealed by Nb-based current-biased kinetic inductance detector with a 10B conversion layer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 842, 71-75.	1.6	13
7	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math> rays from neutron-induced compound states of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>La</mml:mi><mml:mprescripts /><mml:none /><mml:mn>140</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 101, .	2.9	11
8	Design of a neutron polarizer using polarizing super mirrors for the TOF-SANS instrument at the J-PARC. Physica B: Condensed Matter, 2009, 404, 2640-2642.	2.7	9
9	Magnetic Intraparticle Structure in Ferromagnetic Pd Nanoparticle. Journal of the Physical Society of Japan, 2009, 78, 044711.	1.6	9
10	Polarization analysis for small-angle neutron scattering with a ³He spin filter at a pulsed neutron source. Journal of Applied Crystallography, 2021, 54, 548-556.	4.5	8
11	Basic Concepts of Polarisation Analysis for Neutron Chopper Spectrometer POLANO at J-PARC. Journal of the Physical Society of Japan, 2013, 82, SA036.	1.6	7
12	Sample environment at the J-PARC MLF. Journal of Neutron Research, 2017, 19, 15-22.	1.1	7
13	First Experiment of Spin Contrast Variation Small-Angle Neutron Scattering on the iMATERIA Instrument at J-PARC. Quantum Beam Science, 2020, 4, 33.	1.2	6
14	Practical Applications of Permanent Magnet Multipoles. IEEE Transactions on Applied Superconductivity, 2010, 20, 842-845.	1.7	4
15	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.	1.5	3
16	Performance of a neutron imaging detector based on the μPIC micro-pixel gaseous chamber. , 2010, , .		3
17	Research on glass cells for 3He neutron spin filters. Physica B: Condensed Matter, 2011, 406, 2443-2447.	2.7	3
18	Development of Compact Laser Optics for an In-situ Spin-Exchange Optical Pumping 3He Neutron Spin Filter. , 2015, , .		3

#	Article	IF	Citations
19	High Spatial Resolution Neutron Transmission Imaging Using a Superconducting Two-Dimensional Detector. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.7	2
20	<tex>$rm Nb_3rm Sn$</tex>Sextupole Magnet for Neutron Beam Focusing. IEEE Transactions on Applied Superconductivity, 2006, 16, 362-365.	1.7	1
21	Development of an in Situ 3He NSF Using SEOP Technique with an Evaluation System for the Pulsed Neutron Source. Journal of Surface Investigation, 2020, 14, S165-S168.	0.5	0
22	Development of a neutron-polarizing device based on a quadrupole magnet and its application to a focusing SANS instrument. Hamon, 2009, 19, 140-145.	0.0	0
23	Development of a Time-resolved Neutron Imaging Detector Based on the Î¼PIC Micro-Pixel Chamber. Hamon, 2013, 23, 218-222.	0.0	0
24	Time-Dependent Flux from Pulsed Neutrons Revealed by Superconducting Nb Current-Biased Kinetic Inductance Detector with10B Converter Operated at 4â€…K. , 2015, , .		0
25	Measurement of Angular Distributions in ¹³⁹La((ext{n},gamma)) Reaction for T Violation Search. , 2018, , .		0
26	Development of a Neutron Spin Filter for a T Violation Search in Compound Nuclei. , 2018, , .		0