

# Tatsuro Oda

## List of Publications by Year in descending order

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37  
papers

781  
citations

759233

12  
h-index

501196

28  
g-index

37  
all docs

37  
docs citations

37  
times ranked

566  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low-temperature growth of piezoelectric AlN film by rf reactive planar magnetron sputtering. Applied Physics Letters, 1980, 36, 643-645.	3.3	170
2	Design and performance of horizontal-type neutron reflectometer SOFIA at J-PARC/MLF. European Physical Journal Plus, 2011, 126, 1.	2.6	136
3	Novel neutron reflectometer SOFIA at J-PARC/MLF for in-situ soft-interface characterization. Polymer Journal, 2013, 45, 100-108.	2.7	134
4	Materials and Life Science Experimental Facility (MLF) at the Japan Proton Accelerator Research Complex II: Neutron Scattering Instruments. Quantum Beam Science, 2017, 1, 9.	1.2	69
5	The ion beam sputtering facility at KURRI: Coatings for advanced neutron optical devices. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 797, 265-270.	1.6	34
6	Potential-Dependent Structure of the Ionic Layer at the Electrode Interface of an Ionic Liquid Probed Using Neutron Reflectometry. Journal of Physical Chemistry C, 2019, 123, 9223-9230.	3.1	29
7	Current Status of BL06 Beam Line for VIN ROSE at J-PARC/MLF. Physics Procedia, 2013, 42, 136-141.	1.2	21
8	Supermirror neutron guide system for neutron resonance spin echo spectrometers at a pulsed neutron source. Journal of Nuclear Science and Technology, 2017, 54, 1223-1232.	1.3	19
9	Development of a large plano-elliptical neutron-focusing supermirror with metallic substrates. Optics Express, 2016, 24, 12478.	3.4	18
10	Development and application of a $^3\text{He}$ 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
11	New fabrication method for an ellipsoidal neutron focusing mirror with a metal substrate. Optics Express, 2014, 22, 24666.	3.4	17
12	Pulsed neutron time-dependent intensity modulation for quasi-elastic neutron scattering spectroscopy. Review of Scientific Instruments, 2016, 87, 105124.	1.3	17
13	Low Temperature Growth of Piezoelectric AlN Film for Surface and Bulk Wave Transducers by RF Reactive Planar Magnetron Sputtering. , 1980, , .		15
14	Tuning Neutron Resonance Spin-Echo Spectrometers with Pulsed Beams. Physical Review Applied, 2020, 14, .	3.8	12
15	Pulsed ultra-cold neutron production using a Doppler shifter at J-PARC. Progress of Theoretical and Experimental Physics, 2016, 2016, 013C02.	6.6	11
16	Towards a high-resolution TOF-MIEZE spectrometer with very cold neutrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 860, 35-41.	1.6	11
17	Current status of the neutron resonance spin echo spectrometer on BL06 $\alpha$ -VIN ROSE at MLF, J-PARC. Physica B: Condensed Matter, 2019, 564, 91-93.	2.7	10
18	Overscreening Induced by Ionic Adsorption at the Ionic Liquid/Electrode Interface Detected Using Neutron Reflectometry with a Rational Material Design. Bulletin of the Chemical Society of Japan, 2021, 94, 2914-2918.	3.2	6

#	ARTICLE	IF	CITATIONS
19	Development of highly-mechanically polished metal-substrate for neutron supermirrors. Journal of Physics: Conference Series, 2014, 528, 012011.	0.4	5
20	Production of ultra cold neutrons by a doppler shifter with pulsed neutrons at J-PARC. Journal of Physics: Conference Series, 2014, 528, 012030.	0.4	5
21	Development of Sample Environments for the SOFIA Reflectometer for Seconds-Order Time-Slicing Measurements. , 2015, , .		4
22	Focusing and imaging of cold neutrons with a permanent magnetic lens. Review of Scientific Instruments, 2020, 91, 013704.	1.3	4
23	Crystallization of magnetic skyrmions in MnSi investigated by neutron spin echo spectroscopy. Physical Review Research, 2020, 2, .	3.6	4
24	Numerical Simulation of a Beam Divergence Correction for NRSE Spectrometer using Polygonal 2D-focusing Supermirrors. Physics Procedia, 2013, 42, 121-124.	1.2	2
25	Neutron detection in the frame of spatial magnetic spin resonance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 552-555.	1.6	2
26	Double-focusing geometry for phase correction in neutron resonance spin-echo spectroscopy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1010, 165480.	1.6	2
27	Phase correction method in a wide detector plane for MIEZE spectroscopy with pulsed neutron beams. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1012, 165616.	1.6	2
28	Experimental test of $^3\text{He}$ neutron-spin filter in MIEZE spectrometer. Journal of Physics: Conference Series, 2019, 1316, 012013.	0.4	1
29	Observation of TOF-MIEZE Signals with Focusing Mirrors at BLO6, MLF, J-PARC. Journal of Surface Investigation, 2020, 14, S50-S55.	0.5	1
30	A Study of Focusing TOF-MIEZE Spectrometer with Small-angle Neutron Scattering. , 2021, , .		1
31	Numerical simulation of BLO6 neutron beamline for $\nu\text{IN ROSE}$ at J-PARC/MLF. Progress in Nuclear Science and Technology, 2014, 4, 214-217.	0.3	1
32	A Diode-like Neutron Mirror for a Cold Neutron Moderator for Use in Neutron Beam Facilities. Physics Procedia, 2014, 60, 294-299.	1.2	0
33	Neutron Spin Echo Spectrometers at J-PARC (BLO6 VIN ROSE). Hamon, 2016, 26, 104-108.	0.0	0
34	A Focusing Test of a Multiple Segmented Ellipsoidal Neutron-Focusing Mirror for a Compact-Focusing SANS Instrument. , 2018, , .		0
35	A study of TOF-MIEZE reflectometry for nanomagnetic dynamics. Journal of Physics: Conference Series, 2019, 1316, 012006.	0.4	0
36	MONOPOL - A traveling-wave magnetic neutron spin resonator for tailoring polarized neutron beams. Scientific Reports, 2020, 10, 5815.	3.3	0

#	ARTICLE	IF	CITATIONS
37	Observation of 400-kHz TOF-MIEZE Signals. , 2018, , .		0