

# Anton S Tremsin

## List of Publications by Year in descending order

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258  
papers

5,052  
citations

117453

34  
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168136

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259  
all docs

259  
docs citations

259  
times ranked

3352  
citing authors

#	ARTICLE	IF	CITATIONS
1	Momentum-resolved resonant inelastic soft X-ray scattering (qRIXS) endstation at the ALS. Journal of Electron Spectroscopy and Related Phenomena, 2022, 257, 146897.	0.8	8
2	Non-destructive characterization of the spatial variation of $\hat{\Gamma}^3/\hat{\Gamma}^3\hat{\Delta}^2$ lattice misfit in a single-crystal Ni-based superalloy by energy-resolved neutron imaging. Journal of Applied Crystallography, 2022, 55, .	1.9	1
3	Bragg edge tomography characterization of additively manufactured 316L steel. Physical Review Materials, 2022, 6, .	0.9	5
4	Microstructure and water absorption of ancient concrete from Pompeii: An integrated synchrotron microtomography and neutron radiography characterization. Cement and Concrete Research, 2021, 139, 106282.	4.6	24
5	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
6	Spectral neutron tomography. Materials Today Advances, 2021, 9, 100132.	2.5	11
7	Nondestructive characterization of laser powder bed fusion parts with neutron Bragg edge imaging. Additive Manufacturing, 2021, 39, 101848.	1.7	8
8	Switchable X-Ray Orbital Angular Momentum from an Artificial Spin Ice. Physical Review Letters, 2021, 126, 117201.	2.9	16
9	Photon-counting MCP/Timepix detectors for soft X-ray imaging and spectroscopic applications. Journal of Synchrotron Radiation, 2021, 28, 1069-1080.	1.0	5
10	A parametric neutron Bragg edge imaging study of additively manufactured samples treated by laser shock peening. Scientific Reports, 2021, 11, 14919.	1.6	6
11	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
12	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
13	New perspectives for neutron imaging through advanced event-mode data acquisition. Scientific Reports, 2021, 11, 21360.	1.6	29
14	Study of Phase Changes in Lithium-Ion Battery Electrolytes via Spectroscopic Neutron Imaging. ECS Meeting Abstracts, 2021, MA2021-02, 128-128.	0.0	0
15	Overview of spatial and timing resolution of event counting detectors with Microchannel Plates. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 949, 162768.	0.7	26
16	Unique capabilities and applications of Microchannel Plate (MCP) detectors with Medipix/Timepix readout. Radiation Measurements, 2020, 130, 106228.	0.7	47
17	Advanced Postirradiation Characterization of Nuclear Fuels Using Pulsed Neutrons. Jom, 2020, 72, 187-196.	0.9	5
18	Analysis of chemical stress and the propensity for cracking during the vertical Bridgman growth of BaBrCl:Eu. Journal of Crystal Growth, 2020, 546, 125794.	0.7	4

#	ARTICLE	IF	CITATIONS
19	Frame overlap Bragg edge imaging. <i>Scientific Reports</i> , 2020, 10, 14867.	1.6	9
20	Disparate Exciton-Phonon Couplings for Zone-Center and Boundary Phonons in Solid-State Graphite. <i>Physical Review Letters</i> , 2020, 125, 116401.	2.9	7
21	4D Bragg Edge Tomography of Directional Ice Templated Graphite Electrodes. <i>Journal of Imaging</i> , 2020, 6, 136.	1.7	8
22	Samurai™s Swords, a Non-Invasive Investigation by Neutron Techniques. <i>Materials Science Forum</i> , 2020, 983, 15-23.	0.3	1
23	In-situ observation and analysis of solid-state diffusion and liquid migration in a crystal growth system: A segregation-driven diffusion couple. <i>Acta Materialia</i> , 2020, 186, 434-442.	3.8	7
24	Separation of Uptake of Water and Ions in Porous Materials Using Energy Resolved Neutron Imaging. <i>Jom</i> , 2020, 72, 3288-3295.	0.9	4
25	Computational modeling and neutron imaging to understand interface shape and solute segregation during the vertical gradient freeze growth of BaBrCl:Eu. <i>Journal of Crystal Growth</i> , 2020, 536, 125572.	0.7	5
26	Time-resolved RIXS experiment with pulse-by-pulse parallel readout data collection using X-ray free electron laser. <i>Scientific Reports</i> , 2020, 10, 22226.	1.6	6
27	Cross-sectional imaging of quenched region in a steel rod using energy-resolved neutron tomography. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 944, 162532.	0.7	9
28	Distinction between super-cooled water and ice with high duty cycle time-of-flight neutron imaging. <i>Review of Scientific Instruments</i> , 2019, 90, .	0.6	20
29	Characterization and application of Bragg-edge transmission imaging for strain measurement and crystallographic analysis on the IMAT beamline. <i>Journal of Applied Crystallography</i> , 2019, 52, 351-368.	1.9	20
30	Energy-resolved neutron imaging options at a small angle neutron scattering instrument at the Australian Center for Neutron Scattering. <i>Review of Scientific Instruments</i> , 2019, 90, 035114.	0.6	9
31	Three dimensional polarimetric neutron tomography“beyond the phase-wrapping limit. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 205001.	1.3	9
32	Non-destructive mapping of water distribution through white-beam and energy-resolved neutron imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 927, 174-183.	0.7	6
33	On the possibility to investigate irradiated fuel pins non-destructively by digital neutron radiography with a neutron-sensitive microchannel plate detector with Timepix readout. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 927, 109-118.	0.7	8
34	Natural solid-state ion conduction induces metal isotope fractionation. <i>Geology</i> , 2019, 47, 617-621.	2.0	11
35	Tomographic reconstruction of triaxial strain fields from Bragg-edge neutron imaging. <i>Physical Review Materials</i> , 2019, 3, .	0.9	10
36	Determination of very low concentrations of hydrogen in zirconium alloys by neutron imaging. <i>Journal of Nuclear Materials</i> , 2018, 503, 98-109.	1.3	29

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37	Mapping residual strain induced by cold working and by laser shock peening using neutron transmission spectroscopy. <i>Materials and Design</i> , 2018, 143, 56-64.	3.3	21
38	Three Dimensional Polarimetric Neutron Tomography of Magnetic Fields. <i>Scientific Reports</i> , 2018, 8, 2214.	1.6	30
39	Towards high-resolution neutron imaging on IMAT. <i>Journal of Instrumentation</i> , 2018, 13, C01039-C01039.	0.5	6
40	Investigation of image distortion due to MCP electronic readout misalignment and correction via customized GUI application. <i>Journal of Instrumentation</i> , 2018, 13, C04028-C04028.	0.5	3
41	Energy-resolved neutron tomography of an unconventional cultured pearl at a pulsed spallation source using a microchannel plate camera. <i>Microchemical Journal</i> , 2018, 137, 473-479.	2.3	11
42	Investigation of residual stress distribution and texture evolution in AA7050 stationary shoulder friction stir welded joints. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 712, 531-538.	2.6	33
43	Energy-Resolved Neutron Imaging for Reconstruction of Strain Introduced by Cold Working. <i>Journal of Imaging</i> , 2018, 4, 48.	1.7	6
44	Non-destructive Characterization of Internal Structure of Crowned Teeth by Neutron Imaging. , 2018, , .		0
45	Dynamic volume magnetic domain wall imaging in grain oriented electrical steel at power frequencies with accumulative high-frame rate neutron dark-field imaging. <i>Scientific Reports</i> , 2018, 8, 15754.	1.6	18
46	Optimization of spatial resolution and detection efficiency for photon/electron/neutron/ion counting detectors with Microchannel Plates and Quad Timepix readout. <i>Journal of Instrumentation</i> , 2018, 13, C11005-C11005.	0.5	6
47	Tomographic Reconstruction of Two-Dimensional Residual Strain Fields from Bragg-Edge Neutron Imaging. <i>Physical Review Applied</i> , 2018, 10, .	1.5	16
48	Single-photon imaging detector with $\sim(10)$ ps timing and sub- $10^{-4}$ m position resolutions. <i>Journal of Instrumentation</i> , 2018, 13, C12005-C12005.	0.5	8
49	Digital neutron and gamma-ray radiography in high radiation environments with an MCP/Timepix detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 902, 110-116.	0.7	8
50	Neutron Imaging at LANSCE – From Cold to Ultrafast. <i>Journal of Imaging</i> , 2018, 4, 45.	1.7	31
51	Time-of-Flight Neutron Imaging on IMAT@ISIS: A New User Facility for Materials Science. <i>Journal of Imaging</i> , 2018, 4, 47.	1.7	50
52	Crystal structure evolution of BaBrCl and BaBrCl:5%Eu up to 1073 K by neutron diffraction. <i>Journal of Applied Crystallography</i> , 2018, 51, 498-504.	1.9	8
53	Microchannel plate detectors for future NASA UV observatories. , 2018, , .		4
54	Microchannel Plate Imaging Detectors for High Dynamic Range Applications. <i>IEEE Transactions on Nuclear Science</i> , 2017, 64, 1774-1780.	1.2	25

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55	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
56	Characterization of a neutron sensitive MCP/Timepix detector for quantitative image analysis at a pulsed neutron source. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 861, 55-63.	0.7	8
57	Real-time Crystal Growth Visualization and Quantification by Energy-Resolved Neutron Imaging. <i>Scientific Reports</i> , 2017, 7, 46275.	1.6	22
58	In-Situ Observation of Phase Separation During Growth of Cs <sub>2</sub> LiLaBr <sub>6</sub> :Ce Crystals Using Energy-Resolved Neutron Imaging. <i>Crystal Growth and Design</i> , 2017, 17, 6372-6381.	1.4	19
59	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
60	Ion-ion coincidence imaging at high event rate using an in-vacuum pixel detector. <i>Journal of Chemical Physics</i> , 2017, 147, 013919.	1.2	15
61	Non-contact measurement of partial gas pressure and distribution of elemental composition using energy-resolved neutron imaging. <i>AIP Advances</i> , 2017, 7, .	0.6	19
62	High resolution imaging and analysis of residual elastic strain in an additively manufactured turbine blade. <i>International Journal of Nanotechnology</i> , 2017, 14, 166.	0.1	3
63	Characterization of Crystallographic Structures Using Bragg-Edge Neutron Imaging at the Spallation Neutron Source. <i>Journal of Imaging</i> , 2017, 3, 65.	1.7	31
64	On the analysis of time-of-flight spin-echo modulated dark-field imaging data. <i>Journal of Physics: Conference Series</i> , 2017, 862, 012026.	0.3	4
65	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
66	Investigation of microstructure within metal welds by energy resolved neutron imaging. <i>Journal of Physics: Conference Series</i> , 2016, 746, 012040.	0.3	5
67	Wavelength-independent constant period spin-echo modulated small angle neutron scattering. <i>Review of Scientific Instruments</i> , 2016, 87, 063907.	0.6	4
68	Investigation of microstructure in additive manufactured Inconel 625 by spatially resolved neutron transmission spectroscopy. <i>Science and Technology of Advanced Materials</i> , 2016, 17, 324-336.	2.8	21
69	<i>In situ</i> diagnostics of the crystal-growth process through neutron imaging: application to scintillators. <i>Journal of Applied Crystallography</i> , 2016, 49, 743-755.	1.9	16
70	Towards efficient time-resolved X-ray absorption studies of electron dynamics at photocatalytic interfaces. <i>Faraday Discussions</i> , 2016, 194, 659-682.	1.6	16
71	Materials analysis opportunities on the new neutron imaging facility IMAT@ISIS. <i>Journal of Instrumentation</i> , 2016, 11, C03014-C03014.	0.5	31
72	<i>In situ</i> time-of-flight neutron imaging of NiO-YSZ anode support reduction under influence of stress. <i>Journal of Applied Crystallography</i> , 2016, 49, 1674-1681.	1.9	21

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73	Design and Characterisation of Metallic Glassy Alloys of High Neutron Shielding Capability. Scientific Reports, 2016, 6, 36998.	1.6	15
74	Investigation of dissimilar metal welds by energy-resolved neutron imaging. Journal of Applied Crystallography, 2016, 49, 1130-1140.	1.9	23
75	Bragg-edge neutron transmission strain tomography for in situ loadings. Nuclear Instruments & Methods in Physics Research B, 2016, 383, 52-58.	0.6	29
76	Energy-dispersive neutron imaging and diffraction of magnetically driven twins in a Ni <sub>2</sub> MnGa single crystal magnetic shape memory alloy. Journal of Physics: Conference Series, 2016, 746, 012056.	0.3	5
77	Non-destructive Examination of Loads in Regular and Self-locking Spirallock® Threads through Energy-resolved Neutron Imaging. Strain, 2016, 52, 548-558.	1.4	34
78	Development of a flight qualified 100 x 100 mm MCP UV detector using advanced cross strip anodes and associated ASIC electronics. , 2016, , .		5
79	Neutron Strain Tomography using the Radon Transform. Materials Today: Proceedings, 2015, 2, S414-S423.	0.9	26
80	Time-resolved neutron imaging at ANTARES cold neutron beamline. Journal of Instrumentation, 2015, 10, P07008-P07008.	0.5	10
81	Relation between Vickers Hardness and Bragg-Edge Broadening in Quenched Steel Rods Observed by Pulsed Neutron Transmission Imaging. Materials Transactions, 2015, 56, 1147-1152.	0.4	44
82	Flexible sample environment for high resolution neutron imaging at high temperatures in controlled atmosphere. Review of Scientific Instruments, 2015, 86, 125109.	0.6	13
83	High dynamic range photon counting imagers using nano-engineered microchannel plates. , 2015, , .		5
84	Quantitative Neutron Dark-field Imaging through Spin-Echo Interferometry. Scientific Reports, 2015, 5, 16576.	1.6	30
85	Spatially resolved remote measurement of temperature by neutron resonance absorption. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 803, 15-23.	0.7	23
86	Status of the Neutron Imaging and Diffraction Instrument IMAT. Physics Procedia, 2015, 69, 71-78.	1.2	36
87	The CG-1D Neutron Imaging Beamline at the Oak Ridge National Laboratory High Flux Isotope Reactor. Physics Procedia, 2015, 69, 104-108.	1.2	46
88	Improving detection efficiency in a cryogenic environment - implications for DESIREE. Journal of Physics: Conference Series, 2015, 635, 022039.	0.3	0
89	Rapid imbibition of water in fractures within unsaturated sedimentary rock. Advances in Water Resources, 2015, 77, 82-89.	1.7	59
90	Site specific control of crystallographic grain orientation through electron beam additive manufacturing. Materials Science and Technology, 2015, 31, 931-938.	0.8	424

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91	Quantification of Cement Hydration through Neutron Radiography with Scatter Rejection. IEEE Transactions on Nuclear Science, 2015, 62, 1288-1294.	1.2	8
92	Application of atomic layer deposited microchannel plates to imaging photodetectors with high time resolution. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 787, 110-113.	0.7	14
93	Optimization of high count rate event counting detector with Microchannel Plates and quad Timepix readout. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 787, 20-25.	0.7	73
94	Imaging of dynamic magnetic fields with spin-polarized neutron beams. New Journal of Physics, 2015, 17, 043047.	1.2	18
95	Effect of stress on NiO reduction in solid oxide fuel cells: a new application of energy-resolved neutron imaging. Journal of Applied Crystallography, 2015, 48, 401-408.	1.9	18
96	Bright Flash Neutron Radiography at the McClellan Nuclear Research Reactor. Physics Procedia, 2015, 69, 299-303.	1.2	1
97	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
98	High resolution neutron imaging capabilities at BOA beamline at Paul Scherrer Institut. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 486-493.	0.7	32
99	Toward Ultrafast In Situ X-ray Studies of Interfacial Photoelectrochemistry. Springer Proceedings in Physics, 2015, , 325-328.	0.1	2
100	Large area event counting detectors with high spatial and temporal resolution. Journal of Instrumentation, 2014, 9, C04002-C04002.	0.5	7
101	Capturing interfacial photoelectrochemical dynamics with picosecond time-resolved X-ray photoelectron spectroscopy. Faraday Discussions, 2014, 171, 219-241.	1.6	28
102	Neutron resonance transmission spectroscopy with high spatial and energy resolution at the J-PARC pulsed neutron source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 746, 47-58.	0.7	34
103	Development of atomic layer deposition-activated microchannel plates for single particle detection at cryogenic temperatures. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, 020605.	0.9	6
104	Wavelength resolved neutron transmission analysis to identify single crystal particles in historical metallurgy. European Physical Journal Plus, 2014, 129, 1.	1.2	11
105	Bright flash neutron radiography capability of the research reactor at the McClellan Nuclear Research Center. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 748, 46-53.	0.7	5
106	Optical MCP image tube with a quad Timepix readout: initial performance characterization. Journal of Instrumentation, 2014, 9, C05055-C05055.	0.5	19
107	Optimization of Timepix count rate capabilities for the applications with a periodic input signal. Journal of Instrumentation, 2014, 9, C05026-C05026.	0.5	34
108	Neutron Resonance Imaging of a Au-In-Cd Alloy for the JSNS. Physics Procedia, 2013, 43, 337-342.	1.2	8

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109	High Resolution Photon Counting With MCP-Timepix Quad Parallel Readout Operating at $> 1\text{-}\mu\text{m}$ KHz} Frame Rates. IEEE Transactions on Nuclear Science, 2013, 60, 578-585.	1.2	65
110	Opaque gallium nitride photocathodes in UV imaging detectors with microchannel plates. Proceedings of SPIE, 2013, , .	0.8	12
111	Energy resolved neutron radiography at LANSCE pulsed neutron facility. Neutron News, 2013, 24, 28-32.	0.1	10
112	Non-destructive studies of fuel pellets by neutron resonance absorption radiography and thermal neutron radiography. Journal of Nuclear Materials, 2013, 440, 633-646.	1.3	46
113	Large Area Microchannel Plate Imaging Event Counting Detectors With Sub-Nanosecond Timing. IEEE Transactions on Nuclear Science, 2013, 60, 923-931.	1.2	20
114	Performance characteristics of atomic layer functionalized microchannel plates. Proceedings of SPIE, 2013, , .	0.8	23
115	Development of new photon-counting detectors for single-molecule fluorescence microscopy. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120035.	1.8	100
116	Quantification of cement hydration through neutron radiography with scatter rejection. , 2013, , .		0
117	Phasor imaging with a widefield photon-counting detector. Journal of Biomedical Optics, 2012, 17, 016008.	1.4	38
118	High resolution neutron counting detectors with microchannel plates and their applications in neutron radiography, diffraction and resonance absorption imaging. Neutron News, 2012, 23, 35-38.	0.1	32
119	Modern and Historical Engineering Components Investigated by Neutron Diffraction on ENGIN-X. Journal of Solid Mechanics and Materials Engineering, 2012, 6, 408-418.	0.5	4
120	Refraction contrast imaging and edge effects in neutron radiography. Journal of Instrumentation, 2012, 7, C02047-C02047.	0.5	7
121	High Resolution Neutron Resonance Absorption Imaging at a Pulsed Neutron Beamline. IEEE Transactions on Nuclear Science, 2012, 59, 3272-3277.	1.2	26
122	Neutron radiography with sub- $15\frac{1}{4}\mu\text{m}$ resolution through event centroiding. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 688, 32-40.	0.7	49
123	High-Resolution Strain Mapping Through Time-of-Flight Neutron Transmission Diffraction with a Microchannel Plate Neutron Counting Detector. Strain, 2012, 48, 296-305.	1.4	73
124	Atomic layer deposited borosilicate glass microchannel plates for large area event counting detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 695, 168-171.	0.7	28
125	20 cm Sealed Tube Photon Counting Detectors with Novel Microchannel Plates for Imaging and Timing Applications. Physics Procedia, 2012, 37, 803-810.	1.2	13
126	Phasor Analysis with a New Widefield Photon-Counting Flim Detector. Biophysical Journal, 2012, 102, 202a.	0.2	1



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127	TOF-SEMSANSâ€”Time-of-flight spin-echo modulated small-angle neutron scattering. Journal of Applied Physics, 2012, 112, .	1.1	24
128	Time-of-flight neutron imaging for spatially resolved strain investigations based on Bragg edge transmission at a reactor source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 680, 27-34.	0.7	28
129	Texture imaging of zirconium based components by total neutron cross-section experiments. Journal of Nuclear Materials, 2012, 425, 218-227.	1.3	57
130	High-Resolution Neutron Counting Sensor in Strain Mapping Through Transmission Bragg Edge Diffraction. IEEE Sensors Journal, 2011, 11, 3433-3436.	2.4	11
131	High resolution neutron radiography with very compact and efficient neutron collimators. Journal of Instrumentation, 2011, 6, C01041-C01041.	0.5	6
132	Advances in microchannel plates and photocathodes for ultraviolet photon counting detectors. Proceedings of SPIE, 2011, , .	0.8	14
133	High-resolution neutron microtomography with noiseless neutron counting detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 400-403.	0.7	42
134	Scatter rejection in quantitative thermal and cold neutron imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 651, 145-148.	0.7	14
135	Timing resolution of fast neutron and gamma counting with plastic microchannel plates. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 659, 394-398.	0.7	4
136	Plastic microchannel plates with nano-engineered films. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 633, S59-S61.	0.7	13
137	High resolution Bragg edge transmission spectroscopy at pulsed neutron sources: Proof of principle experiments with a neutron counting MCP detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 633, S235-S238.	0.7	35
138	Centroiding algorithms for high speed crossed-strip readout of microchannel plate detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 633, S255-S258.	0.7	15
139	Improved efficiency of high resolution thermal and cold neutron imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 628, 415-418.	0.7	65
140	Novel large format sealed tube microchannel plate detectors for Cherenkov timing and imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 639, 165-168.	0.7	17
141	MCP detector read out with a bare quad Timepix at kilohertz frame rates. Journal of Instrumentation, 2011, 6, C01049-C01049.	0.5	10
142	Microchannel plate imaging photon counters for ultraviolet through NIR detection with high time resolution. Proceedings of SPIE, 2011, 8033, 1350904.	0.8	9
143	New photon-counting detectors for single-molecule fluorescence spectroscopy and imaging. , 2011, 8033, 803316.		14
144	Development of large area photon counting detectors optimized for Cherenkov light imaging with high temporal and sub-mm spatial resolution. , 2011, , .		8

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145	Neutron imaging "Detector options in progress. Journal of Instrumentation, 2011, 6, C01050-C01050.	0.5	24
146	Large-format high-spatial resolution cross-strip readout MCP detectors for UV astronomy. Proceedings of SPIE, 2010, , .	0.8	10
147	Transmission Bragg edge spectroscopy measurements at ORNL Spallation Neutron Source. Journal of Physics: Conference Series, 2010, 251, 012069.	0.3	32
148	Gallium nitride photocathodes for imaging photon counters. Proceedings of SPIE, 2010, , .	0.8	12
149	A high resolution neutron counting sensors in strain mapping through a transmission bragg edge diffraction. , 2010, , .		0
150	High Resolution Stroboscopic Neutron Radiography at the FRM-II ANTARES Facility. IEEE Transactions on Nuclear Science, 2010, 57, 2955-2962.	1.2	13
151	Cross strip microchannel plate imaging photon counters with high time resolution. , 2010, , .		5
152	Energy-Resolving Neutron Transmission Radiography at the ISIS Pulsed Spallation Source With a High-Resolution Neutron Counting Detector. IEEE Transactions on Nuclear Science, 2009, 56, 2931-2937.	1.2	25
153	A design for large-area fast photo-detectors with transmission-line readout and waveform sampling. , 2009, , .		1
154	Cross-strip anodes for high-rate single-photon imaging. , 2009, , .		3
155	High resolution stroboscopic neutron radiography at the FRM-II ANTARES facility. , 2009, , .		1
156	Phasor-based single-molecule fluorescence lifetime imaging using a wide-field photon-counting detector. , 2009, 7185, .		15
157	The current and future capabilities of MCP based UV detectors. Astrophysics and Space Science, 2009, 320, 247-250.	0.5	17
158	Detection efficiency, spatial and timing resolution of thermal and cold neutron counting MCP detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 140-143.	0.7	76
159	High-resolution neutron radiography with microchannel plates: Proof-of-principle experiments at PSI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 605, 103-106.	0.7	32
160	Nano-engineered ultra-high-gain microchannel plates. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 607, 81-84.	0.7	38
161	Microchannel plate cross-strip detectors with high spatial and temporal resolution. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 610, 118-122.	0.7	26
162	High Spatial and Temporal Resolution Neutron Imaging With Microchannel Plate Detectors. IEEE Transactions on Nuclear Science, 2009, 56, 1203-1209.	1.2	25

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163	High Speed Multichannel Charge Sensitive Data Acquisition System With Self-Triggered Event Timing. IEEE Transactions on Nuclear Science, 2009, 56, 1148-1152.	1.2	13
164	Novel fast neutron counting technology for efficient detection of special nuclear materials. , 2009, , .		4
165	Direct deposition of GaN-based photocathodes on microchannel plates. , 2009, , .		6
166	Development of cross strip MCP detectors for UV and optical instruments. Proceedings of SPIE, 2009, , .	0.8	10
167	Single-Quantum Dot Imaging with a Photon Counting Camera. Current Pharmaceutical Biotechnology, 2009, 10, 543-557.	0.9	36
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