Vitaly Chepel

List of Publications by Year
in descending order

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142	3,276	117625	175258
papers	citations	34 h-index	52 g-index

144	144	144	1824
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Liquid noble gas detectors for low energy particle physics. Journal of Instrumentation, 2013, 8, R04001-R04001.	1.2	195
2	Results from the first science run of the ZEPLIN-III dark matter search experiment. Physical Review D, 2009, 80, .	4.7	147
3	WIMP-nucleon cross-section results from the second science run of ZEPLIN-III. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 14-20.	4.1	124
4	First limits on WIMP nuclear recoil signals in ZEPLIN-II: A two-phase xenon detector for dark matter detection. Astroparticle Physics, 2007, 28, 287-302.	4.3	122
5	New experimental validation of the pulse height weighting technique for capture cross-section measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 521, 454-467.	1.6	101
6	The ZEPLIN-III dark matter detector: Instrument design, manufacture and commissioning. Astroparticle Physics, 2007, 27, 46-60.	4.3	91
7	The data acquisition system of the neutron time-of-flight facility n_TOF at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 538, 692-702.	1.6	84
8	The n_TOF Total Absorption Calorimeter for neutron capture measurements at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 424-433.	1.6	80
9	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>234</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi	2.9	72
10	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>197</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	68
11	Neutron Capture Cross Section Measurement ofSm151at the CERN Neutron Time of Flight Facility (n_TOF). Physical Review Letters, 2004, 93, 161103.	7.8	65
12	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>197</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	55
13	Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications. Physical Review C, 2012, 85, .	2.9	55
14	Measurement of the n_TOF beam profile with a micromegas detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 524, 102-114.	1.6	54
15	Perspectives for positron emission tomography with RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 508, 88-93.	1.6	50
16	Limits on the Spin-Dependent WIMP-Nucleon Cross Sections from the First Science Run of the ZEPLIN-III Experiment. Physical Review Letters, 2009, 103, 151302.	7.8	48
17	Position Reconstruction in a Dual Phase Xenon Scintillation Detector. IEEE Transactions on Nuclear Science, 2012, 59, 3286-3293.	2.0	47
18	New measurement of neutron capture resonances inBi209. Physical Review C, 2006, 74, .	2.9	46

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19	Nuclear recoil scintillation and ionisation yields in liquid xenon from ZEPLIN-III data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 471-476.	4.1	45
20	Scintillation efficiency of liquid xenon for nuclear recoils with the energy down to 5keV. Astroparticle Physics, 2006, 26, 58-63.	4.3	44
21	Neutron capture cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>90</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>: Bottleneck in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:math>-process reaction flow. Physical Review C, 2006, 73, .	2.9	44
22	Measurement of the refractive index and attenuation length of liquid xenon for its scintillation light. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 516, 462-474.	1.6	43
23	Measurement of single electron emission in two-phase xenon. Astroparticle Physics, 2008, 30, 54-57.	4.3	43
24	Single electron emission in two-phase xenon with application to the detection of coherent neutrino-nucleus scattering. Journal of High Energy Physics, 2011, 2011, 1.	4.7	42
25	Neutron capture cross section ofTh232measured at the n_TOF facility at CERN in the unresolved resonance region up to 1 MeV. Physical Review C, 2006, 73, .	2.9	41
26	ANTS2 package: simulation and experimental data processing for Anger camera type detectors. Journal of Instrumentation, 2016, 11, P04022-P04022.	1.2	41
27	Limits on inelastic dark matter from ZEPLIN-III. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 692, 180-183.	4.1	40
28	The<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>93</mml:mn></mml:msup></mml:math>Zr(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382 Td (xmlns:mml="http://w	2.9	39
29	reaction up to 8 keV neutron energy. Physical Review C, 2013, 87, . Measurement of theSm151(n,Î³) cross section from 0.6 eV to 1 MeV via the neutron time-of-flight technique at the CERN n_TOF facility. Physical Review C, 2006, 73, .	2.9	36
30	Neutron physics of the Re/Os clock. III. Resonance analyses and stellar (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 327 Td (xmlns cross sections of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Os</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>186</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>	2.9	36
31	and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>207</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>	2.9	36
32	Status and outlook of the neutron time-of-flight facility n_TOF at CERN. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 925-929.	1.4	35
33	Timeâ€“energy relation of the n_TOF neutron beam: energy standards revisited. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 532, 622-630.	1.6	34
34	Experimental study of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>91</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	34
35	Reflectance of polytetrafluoroethylene for xenon scintillation light. Journal of Applied Physics, 2010, 107, 064902.	2.5	34
36	The<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>92</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	33

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37	Resonance capture cross section ofPb207. Physical Review C, 2006, 74, .	2.9	32
38	Measurement of the neutron capture cross section of thes-only isotopePb204from 1 eV to 440 keV. Physical Review C, 2007, 75, .	2.9	32
39	Performance study of liquid xenon detector for PET. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 392, 427-432.	1.6	31
40	Measurement and simulation of the muon-induced neutron yield in lead. Astroparticle Physics, 2013, 47, 67-76.	4.3	31
41	Measurement of the radiative neutron capture cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>206</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>and its astrophysical implications. Physical Review C, 2007, 76, .	2.9	30
42	High-accuracyU233(n,f)cross-section measurement at the white-neutron source n_TOF from near-thermal to1MeV neutron energy. Physical Review C, 2009, 80, .	2.9	30
43	cross sections of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Os</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>186</mml:mn></mml:mrow><mml:mrow><mml:mn>187</mml:mn></mml:mrow></mml:	2.9	28
44	The liquid xenon detector for PET: recent results. IEEE Transactions on Nuclear Science, 1999, 46, 1038-1044.	2.0	26
45	Limits on spin-dependent WIMP-nucleon cross-sections from the first ZEPLIN-II data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 653, 161-166.	4.1	26
46	Measurement and resonance analysis of the237Np neutron capture cross section. Physical Review C, 2012, 85, .	2.9	26
47	Measurement and analysis of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Am</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>243</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2014, 90, .	2.9	26
48	Radioactivity backgrounds in ZEPLINâ€“III. Astroparticle Physics, 2012, 35, 495-502.	4.3	25
49	Study of bialkali photocathodes below room temperature in the UV/VUV region. IEEE Transactions on Nuclear Science, 1998, 45, 542-549.	2.0	24
50	The ZEPLIN-III dark matter detector: Performance study using an end-to-end simulation tool. Astroparticle Physics, 2006, 26, 140-153.	4.3	24
51	TheLa139(n,Î³) cross section: Key for the onset of thes-process. Physical Review C, 2007, 75, .	2.9	24
52	Neutron capture on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>94</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>: Resonance parameters and Maxwellian-averaged cross sections. Physical Review C, 2011, 84, .	2.9	24
53	The ZEPLIN-III anti-coincidence veto detector. Astroparticle Physics, 2010, 34, 151-163.	4.3	23
54	Measurement of resolved resonances of232Th(n,Î³) at the n_TOF facility at CERN. Physical Review C, 2012, 85, .	2.9	23

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55	Study of large area avalanche photodiode for detecting liquid xenon scintillation. IEEE Transactions on Nuclear Science, 2000, 47, 1307-1310.	2.0	21
56	A survey of energy loss calculations for heavy ions between 1 and 100kev. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 114-117.	1.6	21
57	Quenching factor for low-energy nuclear recoils in a plastic scintillator. Physical Review C, 2012, 85, .	2.9	21
58	Liquid Hole Multipliers: bubble-assisted electroluminescence in liquid xenon. Journal of Instrumentation, 2015, 10, P08015-P08015.	1.2	21
59	Direct observation of bubble-assisted electroluminescence in liquid xenon. Journal of Instrumentation, 2015, 10, P11002-P11002.	1.2	20
60	Performance of the veto detector incorporated into the ZEPLIN-III experiment. Astroparticle Physics, 2011, 35, 76-86.	4.3	19
61	Performance analysis based on a Monte Carlo simulation of a liquid xenon PET detector. IEEE Transactions on Nuclear Science, 1995, 42, 2298-2302.	2.0	18
62	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>96</mml:mn></mml:msup></mml:math>Zr(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (xmlns:mml="http://w	2.9	17
63	R Low temperature performance of photomultiplier tubes illuminated in pulsed mode by visible and vacuum ultraviolet light. Review of Scientific Instruments, 1997, 68, 34-40.	1.3	15
64	Detection of scintillation light of liquid xenon with a LAAPD. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 488, 572-578.	1.6	15
65	New approach to the calculation of the refractive index of liquid and solid xenon. Journal of Chemical Physics, 2005, 123, 234508.	3.0	15
66	Neutron-induced fission cross-section of 233U in the energy range 0.5 < En < 20 MeV. European Physical Journal A, 2011, 47, 1.	2.5	15
67	Low-temperature performance of a large area avalanche photodiode. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 504, 53-57.	1.6	14
68	GEM operation in double-phase xenon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 598, 126-129.	1.6	14
69	Measurement of the236U(n,f) cross section from 170 meV to 2 MeV at the CERNn_TOFfacility. Physical Review C, 2011, 84, .	2.9	14
70	Neutron-induced fission cross section ofU234measured at the CERN n_TOF facility. Physical Review C, 2014, 89, .	2.9	14
71	Neutron-induced fission cross section of245Cm: New results from data taken at the time-of-flight facility n_TOF. Physical Review C, 2012, 85, .	2.9	13
72	Two-dimensional readout in a liquid xenon ionisation chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 477, 184-190.	1.6	11

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73	Liquid rare gas detectors: recent developments and applications. IEEE Transactions on Dielectrics and Electrical Insulation, 2003, 10, 994-1005.	2.9	11
74	Performance of a chamber for studying the liquid xenon response to /spl gamma/-rays and nuclear recoils. IEEE Transactions on Nuclear Science, 2005, 52, 2793-2800.	2.0	11
75	The measurement of the 206Pb(n, Î³) cross section and stellar implications. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014020.	3.6	11
76	A model of the reflection distribution in the vacuum ultra violet region. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 619, 59-62.	1.6	11
77	ZE3RA: the ZEPLIN-III Reduction and Analysis package. Journal of Instrumentation, 2011, 6, P11004-P11004.	1.2	11
78	Measurement of the neutron-induced fission cross-section of 243Am relative to 235U from 0.5 to 20 MeV. European Physical Journal A, 2011, 47, 1.	2.5	11
79	Iterative reconstruction of detector response of an Anger gamma camera. Physics in Medicine and Biology, 2015, 60, 4169-4184.	3.0	11
80	Neutron-induced fission cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Np</mml:mi><mml:mprescripts /><mml:none /><mml:mn>237</mml:mn></mml:mmultiscripts></mml:math>in the keV to MeV range at the CERN n_TOF facility. Physical Review C, 2016, 93, .	2.9	11
81	Primary scintillation yield and ratio in liquid xenon. Radiation Physics and Chemistry, 2005, 74, 160-167.	2.8	9
82	Measuring the angular profile of the reflection of xenon scintillation light. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 322-325.	1.6	9
83	Measurement of the neutron-induced fission cross-section of 241Am at the time-of-flight facility n_TOF. European Physical Journal A, 2013, 49, 1.	2.5	9
84	Stability of tetraphenyl butadiene thin films in liquid xenon. Thin Solid Films, 2016, 600, 65-70.	1.8	9
85	Study of Photon Strength Function of Actinides: the Case of 235U, 238Np and 241Pu. Journal of the Korean Physical Society, 2011, 59, 1510-1513.	0.7	9
86	Position reconstruction in a liquid xenon scintillation chamber for low-energy nuclear recoils and Î³-rays. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 573, 48-52.	1.6	8
87	Nuclear physics for the Re/Os clock. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014015.	3.6	8
88	Measurement of the 151Sm(n,Î³)152Sm cross section at n_TOF. Nuclear Physics A, 2005, 758, 533-536.	1.5	7
89	Neutron capture cross section measurements for nuclear astrophysics at CERN n_TOF. Nuclear Physics A, 2005, 758, 501-504.	1.5	7
90	Neutron reactions and nuclear cosmo-chronology. Progress in Particle and Nuclear Physics, 2007, 59, 165-173.	14.4	7

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91	Calibration of photomultiplier arrays. Astroparticle Physics, 2010, 33, 13-18.	4.3	7
92	Neutron cross-sections for next generation reactors: New data from n_TOF. Applied Radiation and Isotopes, 2010, 68, 643-646.	1.5	7
93	High accuracy235U(n,f) data in the resonance energy region. EPJ Web of Conferences, 2016, 111, 02003.	0.3	7
94	Iterative reconstruction of SiPM light response functions in a square-shaped compact gamma camera. Physics in Medicine and Biology, 2017, 62, 3619-3638.	3.0	7
95	Pulse shape analysis in the liquid xenon multiwire ionisation chamber for PET. IEEE Transactions on Nuclear Science, 1998, 45, 561-567.	2.0	6
96	Pulse processing for the PET liquid xenon multiwire ionisation chamber. IEEE Transactions on Nuclear Science, 2000, 47, 2119-2126.	2.0	6
97	Detectors for medical radioisotope imaging: demands and perspectives. Radiation Physics and Chemistry, 2004, 71, 683-692.	2.8	6
98	Operation of gas electron multipliers in pure xenon at low temperatures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 331-334.	1.6	6
99	Liquid-xenon Î³-camera with ionisation readout. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 478, 435-439.	1.6	5
100	The ZEPLIN II dark matter detector: Data acquisition system and data reduction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 587, 101-109.	1.6	5
101	Preliminary results on position reconstruction for ZEPLIN III. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 573, 200-203.	1.6	4
102	Performance data from the ZEPLIN-III second science run. Journal of Instrumentation, 2012, 7, C03044-C03044.	1.2	4
103	B-spline parameterization of spatial response in a monolithic scintillation camera. Journal of Instrumentation, 2016, 11, P09014-P09014.	1.2	4
104	Low temperature test of photomultiplier tubes. Applied Radiation and Isotopes, 1995, 46, 495-496.	1.5	3
105	Measurements at n_TOF of the Neutron Capture Cross Section of Minor Actinides Relevant to the Nuclear Waste Transmutation. AIP Conference Proceedings, 2005, , .	0.4	3
106	Neutron Capture Cross Section Measurements at n_TOF of 237Np, 240Pu and 243Am for the Transmutation of Nuclear Waste. AIP Conference Proceedings, 2006, , .	0.4	3
107	Publisher's Note: Measurement of resolved resonances of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>232</mml:mn></mml:msup></mml:math>Th(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 102 Td (xmlns:m	2.9	3
108	Fission Cross-section Measurements of 233U, 245Cm and 241;243Am at CERN n_TOF Facility. Journal of the Korean Physical Society, 2011, 59, 1912-1915.	0.7	3

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109	Mini-strip ionization chamber for Î³-ray imaging. IEEE Transactions on Nuclear Science, 2003, 50, 122-125.	2.0	2
110	Measurements of the 90,91,92,94,96Zr(n, Î³) cross-sections at n_TOF. Nuclear Physics A, 2005, 758, 573-576.	1.5	2
111	High-Resolution Study of 237Np Fission Cross Section from 5 eV to 1 MeV. AIP Conference Proceedings, 2005, , .	0.4	2
112	Neutron cross section measurements at n-TOF for ADS related studies. Journal of Physics: Conference Series, 2006, 41, 352-360.	0.4	2
113	Measurements of high-energy neutron-induced fission ofnatPb and209Bi. EPJ Web of Conferences, 2010, 8, 07009.	0.3	2
114	Neutron-induced fission cross section measurement of²³³U,²⁴¹Am and²⁴³Am in the energy range 0.5 MeV â©½E_nâ©½ 20 MeV at n_TOF at CERN. Physica Scripta, 2012, T150, 014005.	2.5	2
115	Neutron Capture Measuremetns on Minor Actinides at the n_TOF Facility at CERN: Past, Present and Future. Journal of the Korean Physical Society, 2011, 59, 1809-1812.	0.7	2
116	237Np(n,f) Cross Section: New Data and Present Status. Journal of the Korean Physical Society, 2011, 59, 1908-1911.	0.7	2
117	A cryogenic chamber for scattering measurements. Nuclear Instruments & Methods in Physics Research B, 1999, 152, 150-156.	1.4	1
118	Neutron Capture Cross Sections for the Re/Os Clock. AIP Conference Proceedings, 2005, , .	0.4	1
119	The ZEPLIN III Detector; Results from Surface Calibrations. Nuclear Physics, Section B, Proceedings Supplements, 2007, 173, 108-112.	0.4	1
120	Reflection of the xenon scintillation light from Polytetrafluoroethylene (PTFE). , 2008, , .		1
121	The [sup 237]Np(n,f) cross section at the CERN n-TOF facility. , 2011, , .		1
122	Position reconstruction in a dual phase xenon scintillation detector. , 2011, , .		1
123	A low-mass neutron flux monitor for the n _TOF facility at CERN. Brazilian Journal of Physics, 2004, 34, 914-918.	1.4	1
124	New Measurement of the Capture Cross Section of Bismuth and Lead Isotopes. AIP Conference Proceedings, 2005, , .	0.4	0
125	Measurement of the 232Th Neutron Capture Cross Section at the CERN n_TOF Facility. AIP Conference Proceedings, 2005, , .	0.4	0
126	Measurement of Capture Cross Sections of 90,91,92,94,96Zr Isotopes at n_TOF. AIP Conference Proceedings, 2005, , .	0.4	0

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127	Measurement of 139La(n,Î³) Cross Section. AIP Conference Proceedings, 2006, , .	0.4	0
128	Measurement of the resonance capture cross section of 204,206Pb and termination of the s-process. AIP Conference Proceedings, 2006, , .	0.4	0
129	Editorial: Dielectric liquids. IEEE Transactions on Dielectrics and Electrical Insulation, 2006, 13, 455-455.	2.9	0
130	Measurement of 139La(n,Î³) Cross Section at n_TOF. AIP Conference Proceedings, 2006, , .	0.4	0
131	Measurements of neutron capture cross-sections at n_TOF. AIP Conference Proceedings, 2007, , .	0.4	0
132	Measurement of the Neutron Induced Fission Cross Section on Transuranic (TRU) Elements at the nÌ±TOF Facility at CERN. AIP Conference Proceedings, 2007, , .	0.4	0
133	Recent Results at nÌ±TOF and Future Perspectives. AIP Conference Proceedings, 2008, , .	0.4	0
134	nÌ±TOF Experiment: Past, Present And Future. , 2009, , .		0
135	ZEPLIN-II limits on WIMP-nucelon interactions. , 2009, , .		0
136	Neutron Capture Measurements at the nÌ±TOF Facility. , 2009, , .		0
137	Fission cross-section measurements on [sup 233]U and minor actinides at the CERN nÌ±TOF facility. , 2009, , .		0
138	ASTROPHYSICS AT nÌ±TOF FACILITY. , 2010, , .		0
139	Study of Neutron-Induced Fission Cross Sections of U, Am, and Cm at nÌ±TOF. , 2010, , .		0
140	Astrophysics at n_TOF Facility at CERN. Journal of Physics: Conference Series, 2011, 312, 042024.	0.4	0
141	A measurement of the muon-induced neutron yield in lead at a depth of 2850 m water equivalent. , 2013, , .		0
142	High-energy Neutron-induced Fission Cross Sections of Natural Lead and Bismuth-209. Journal of the Korean Physical Society, 2011, 59, 1904-1907.	0.7	0