

Elvezio Morenzoni

List of Publications by Year in descending order

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244
papers

6,763
citations

70961

41
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88477

70
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252
all docs

252
docs citations

252
times ranked

5566
citing authors

#	ARTICLE	IF	CITATIONS
1	Dimensionality Control of Electronic Phase Transitions in Nickel-Oxide Superlattices. <i>Science</i> , 2011, 332, 937-940.	6.0	331
2	Direct measurement of the electronic spin diffusion length in a fully functional organic spin valve by low-energy muon spin rotation. <i>Nature Materials</i> , 2009, 8, 109-114.	13.3	251
3	Dynamics of the fusion process. <i>Nuclear Physics A</i> , 1982, 388, 334-380.	0.6	246
4	The new beam at PSI: A hybrid-type large acceptance channel for the generation of a high intensity surface-muon beam. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 595, 317-331.	0.7	176
5	New diluted ferromagnetic semiconductor with Curie temperature up to 180 K and isostructural to the FeTe iron-based superconductors. <i>Nature Communications</i> , 2013, 4, 1442.	5.8	154
6	Engineering spin propagation across a hybrid organic/inorganic interface using a polar layer. <i>Nature Materials</i> , 2011, 10, 39-44.	13.3	152
7	Generation of very slow polarized positive muons. <i>Physical Review Letters</i> , 1994, 72, 2793-2796.	2.9	146
8	Direct Observation of the Oxygen Isotope Effect on the In-Plane Magnetic Field Penetration Depth in Optimally Doped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Physical Review Letters</i> , 2004, 92, 057602.	2.9	127
9	Ionization of helium and molecular hydrogen by slow antiprotons. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1994, 27, 925-934.	0.6	124
10	Implantation studies of keV positive muons in thin metallic layers. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002, 192, 254-266.	0.6	118
11	Spin excitations in a single La_2CuO_4 layer. <i>Nature Materials</i> , 2012, 11, 850-854.	13.3	116
12	Measurement of the Z^{13} contribution to the stopping power using MeV protons and antiprotons: The Barkas effect. <i>Physical Review Letters</i> , 1989, 62, 1731-1734.	2.9	110
13	Signatures of the topological $s + \hat{d}$ superconducting order parameter in the type-II Weyl semimetal Td-MoTe_2 . <i>Nature Communications</i> , 2017, 8, 1082.	5.8	101
14	Magnetism in semiconducting molybdenum dichalcogenides. <i>Science Advances</i> , 2018, 4, eaat3672.	4.7	92
15	Intrinsic Paramagnetic Meissner Effect Due to $s + \hat{d}$ Superconductivity. <i>Physical Review X</i> , 2015, 5, 011047.	2.8	86
16	Nano-scale thin film investigations with slow polarized muons. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S4583-S4601.	0.7	79
17	High pressure research using muons at the Paul Scherrer Institute. <i>High Pressure Research</i> , 2016, 36, 140-166.	0.4	79
18	Generation and applications of slow polarized muons. <i>Contemporary Physics</i> , 2004, 45, 203-225.	0.8	78

#	ARTICLE	IF	CITATIONS
19	Ionization of Atomic Hydrogen by 30â€“1000 keV Antiprotons. Physical Review Letters, 1995, 74, 4627-4630.	2.9	77
20	Precision measurements of ^{14}C in AMS â€” some results and prospects. Nuclear Instruments & Methods in Physics Research B, 1984, 5, 117-122.	0.6	73
21	Single ionization of helium by 40â€“3000-keV antiprotons. Physical Review A, 1990, 41, 6536-6539.	1.0	73
22	Nanoscale Layering of Antiferromagnetic and Superconducting Phases in RbFe_2O_2 Crystals. Physical Review Letters, 2012, 109, 017003.	2.9	73
23	Observation of Radiative Capture in Relativistic Heavy-Ionâ€”Atom Collisions. Physical Review Letters, 1984, 53, 234-237.	2.9	71
24	Spatially homogeneous ferromagnetism of (Ga, Mn)As. Nature Materials, 2010, 9, 299-303.	13.3	71
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#	ARTICLE	IF	CITATIONS
37	Atomic collisions with relativistic heavy ions. VI. Radiative processes. <i>Physical Review A</i> , 1986, 33, 2270-2280.	1.0	46
38	Non-dissociative and dissociative ionization of N ₂ , CO, CO ₂ , and CH ₄ by impact of 50-6000 keV protons and antiprotons. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1995, 28, 3569-3592.	0.6	43
39	The oxygen isotope effect on the in-plane penetration depth in cuprate superconductors. <i>Journal of Physics Condensed Matter</i> , 2004, 16, S4439-S4455.	0.7	42
40	Arctic Ocean chronology confirmed by accelerator ¹⁴ C dating. <i>Geophysical Research Letters</i> , 1986, 13, 319-321.	1.5	41
41	Oxygen Isotope Effects on the Superconducting Transition and Magnetic States Within the Phase Diagram of Y _{1-x} Pr _x Ba ₂ Cu ₃ O _{7-δ} . <i>Physical Review Letters</i> , 2008, 101, 077001.	2.9	41
42	Understanding the γ SR spectra of MnSi without magnetic polarons. <i>Physical Review B</i> , 2014, 89, .	1.1	40
43	The Meissner effect in a strongly underdoped cuprate above its critical temperature. <i>Nature Communications</i> , 2011, 2, 272.	5.8	39
44	Ionization of rare gases by particle - antiparticle impact. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1997, 30, L581-L587.	0.6	38
45	Observation of nonexponential magnetic penetration profiles in the Meissner state: A manifestation of nonlocal effects in superconductors. <i>Physical Review B</i> , 2005, 72, .	1.1	38
46	Depth-Dependent Spin Dynamics in Thin Films of TbPc ₂ Nanomagnets Explored by Low-Energy Implanted Muons. <i>ACS Nano</i> , 2012, 6, 8390-8396.	7.3	38
47	Diffusion and supply rates of ¹⁰ Be and ²³⁰ Th radioisotopes in two manganese encrustations from the South China Sea. <i>Geochimica Et Cosmochimica Acta</i> , 1986, 50, 149-156.	1.6	37
48	Muonium in superfluid helium. <i>Physical Review Letters</i> , 1992, 69, 1560-1563.	2.9	37
49	Direct measurement of the London penetration depth in γ SR spectra of YBa ₂ Cu ₃ O _{7-δ} . <i>Physical Review B</i> , 2010, 81, .		
50	Muonium Emission into Vacuum from Mesoporous Thin Films at Cryogenic Temperatures. <i>Physical Review Letters</i> , 2012, 108, 143401.	2.9	37
51	Pressure-induced electronic phase separation of magnetism and superconductivity in CrAs. <i>Scientific Reports</i> , 2015, 5, 13788.	1.6	37
52	Observation of the Conduction Electron Spin Polarization in the Ag Spacer of aFe/Ag/Fe Trilayer. <i>Physical Review Letters</i> , 2003, 91, 017204.	2.9	36
53	Direct Observation of Nonlocal Effects in a Superconductor. <i>Physical Review Letters</i> , 2004, 92, 087001.	2.9	36
54	Direct evidence for a pressure-induced nodal superconducting gap in the Ba _{0.65} Rb _{0.35} Fe ₂ As ₂ superconductor. <i>Nature Communications</i> , 2015, 6, 8863.	5.8	36

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55	Volume-wise destruction of the antiferromagnetic Mott insulating state through quantum tuning. Nature Communications, 2016, 7, 12519.	5.8	36
56	Site-selective oxygen isotope effect on the magnetic-field penetration depth in underdoped $Y_{0.6}Pr_{0.4}Ba_2Cu_3O_{7-\delta}$. Physical Review B, 2003, 68, .	1.1	35
57	Characterization of magnetic properties of Sr_2CuWO_6 . Physical Review B, 2014, 89, .	2.9	34
58	Measurement of the antiproton stopping power of gold - the Barkas effect. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 155, 155-158.	0.9	34
59	Molecular-orbital study of late-fission times in deep-inelastic $U^{238}+^{238}U$ collisions. Physical Review Letters, 1993, 70, 537-540.	2.9	34
60	Observation of Anomalous Meissner Screening in $CuNb_2S_8$. Physical Review Letters, 2018, 120, 247001.	2.9	34
61	^{10}Be annual fallout in rains in India. Nuclear Instruments & Methods in Physics Research B, 1984, 5, 398-403.	0.6	33
62	Low superfluid density and possible multigap superconductivity in the layered superconductor $Bi_2Te_2O_7$. Physical Review B, 2013, 88, .	1.1	33
63	Non-dissociative and dissociative ionisation of H_2 by 50-2000 keV antiprotons. Journal of Physics B: Atomic, Molecular and Optical Physics, 1990, 23, L395-L400.	0.6	32
64	Superparamagnetic relaxation in iron nanoclusters measured by low energy muon spin rotation. Journal of Physics Condensed Matter, 2000, 12, 1399-1411.	0.7	32
65	Moderator gratings for the generation of epithermal positive muons. Applied Surface Science, 2001, 172, 235-244.	3.1	32
66	Direct observation of the magnetic polaron. Physical Review B, 2009, 80, .	1.1	32
67	The oxygen-isotope effect on the in-plane penetration depth in underdoped $Y_{1-x}Pr_xBa_2Cu_3O_{7-\delta}$ as revealed by muon-spin rotation. Journal of Physics Condensed Matter, 2003, 15, L17-L23.	0.7	31
68	Precision measurement of antiprotonic hydrogen and deuterium X-rays. Zeitschrift für Physik A, 1992, 342, 359-368.	0.9	30
69	Single, double and triple ionization of Ne, Ar, Kr and Xe by 30 - 1000 keV impact. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 3951-3968.	0.6	30
70	Coexistence of low-moment magnetism and superconductivity in tetragonal FeS and suppression of T_c under pressure. Physical Review B, 2016, 93, .	1.1	30
71	^{10}Be dating of the inner structure of Mn-encrustations applying the Zr -rich tandem accelerator. Nuclear Instruments & Methods in Physics Research B, 1984, 5, 359-364.	0.6	29
72	Superconducting and magnetic properties of Sr_2CuWO_6 . Physical Review B, 2014, 90, .	2.9	29

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#	ARTICLE	IF	CITATIONS
91	Direct Spectroscopic Observation of a Shallow Hydrogenlike Donor State in Insulating SrTiO_3 . Physical Review Letters, 2014, 113, 156801.	2.9	23
92	Intrinsic or Interface Clustering-Induced Ferromagnetism in Fe-Doped In_2O_3 -Diluted Magnetic Semiconductors. ACS Applied Materials & Interfaces, 2018, 10, 22372-22380.	4.0	23
93	Restoration of quantum critical behavior by disorder in pressure-tuned (Mn,Fe)Si. Npj Quantum Materials, 2017, 2, . Absolute value and temperature dependence of the magnetic penetration depth in $\text{Ba}(\text{Co}_{1-x}\text{Fe}_x)\text{O}_{10}$. Physical Review Letters, 2014, 112, .	1.8	22
94	Suppression of Pressure-Induced Quantum Critical and Multicritical Points in a Frustrated Spin Liquid. Physical Review Letters, 2014, 112, .	1.1	21
95	Suppression of overdoped Li in the diluted ferromagnetic semiconductor $\text{Li}_{1-x}\text{Fe}_x\text{O}$. Physical Review Letters, 2014, 112, .	2.9	21
96	Suppression of		

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109	Magnetic polaron bound to the positive muon in SmS: Exchange-driven formation of a mixed-valence state. <i>Physical Review B</i> , 2009, 79, .	1.1	16
110	Photo-induced persistent inversion of germanium in a 200-nm-deep surface region. <i>Scientific Reports</i> , 2013, 3, 2569.	1.6	16
111	M-like X-ray transitions in superheavy quasi-molecules. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1978, 68, 217-220.	0.9	15
112	MO X-ray angular distributions from 1 GeV ²⁰⁸ Pb+ ²⁰⁸ Pb and ²⁰⁹ Bi+ ²⁰⁹ Bi collisions. <i>Zeitschrift für Physik A</i> , 1980, 297, 93-99.	1.4	15
113	Electric-field dependence of muonium formation in liquid helium. <i>Hyperfine Interactions</i> , 1994, 87, 1011-1016.	0.2	15
114	Generation of very slow polarized muons by moderation. , 1997, 106, 229-235.		15
115	Novel muonium centers "magnetic polarons" in magnetic semiconductors. <i>Physica B: Condensed Matter</i> , 2009, 404, 899-902.	1.3	15
116	Zero-field Spin Depolarization of Low-Energy Muons in Ferromagnetic Nickel and Silver Metal. <i>Physics Procedia</i> , 2012, 30, 164-167.	1.2	15
117	Controlling the electromagnetic proximity effect by tuning the mixing between superconducting and ferromagnetic order. <i>Physical Review B</i> , 2019, 100, .	1.1	15
118	Muon spin rotation study of type-I superconductivity: Elemental In_2Sn . <i>Physical Review B</i> , 2019, 99, .	1.1	15
119	¹⁰ Be, ²⁶ Al, ⁵³ Mn, and light noble gases in the Antarctic shergottite EETA 79001 (A). <i>Earth and Planetary Science Letters</i> , 1985, 75, 72-76.	1.8	14
120	Channeling of antiprotons. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 207, 402-408.	0.6	14
121	Coexistence and Coupling of Superconductivity and Magnetism in Thin Film Structures. <i>Physical Review Letters</i> , 2005, 95, 197201.	2.9	14
122	PSI status 2008 "Developments at the 590MeV proton accelerator facility. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 600, 5-7.	0.7	14
123	Ordering in weakly coupled random singlet spin chains. <i>Physical Review B</i> , 2012, 86, .	1.1	14
124	Design and Simulation of a Spin Rotator for Longitudinal Field Measurements in the Low Energy Muons Spectrometer. <i>Physics Procedia</i> , 2012, 30, 55-60.	1.2	14
125	Nonlocal effect and dimensions of Cooper pairs measured by low-energy muons and polarized neutrons in type-I superconductors. <i>Physical Review B</i> , 2013, 87, .	1.1	14
126	Measurement of the spatial extent of inverse proximity in a Py/Nb/Py superconducting trilayer using low-energy muon-spin rotation. <i>Physical Review B</i> , 2014, 89, .	1.1	14

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127	Direct evidence of superconductivity and determination of the superfluid density in buried ultrathin FeSe grown on SrTiO_3 . Physical Review B, 2018, 97, .	1.1	14
128	Correlation of the paleoclimatic record in lacustrine sediment sequences: ^{14}C dating by AMS. Nuclear Instruments & Methods in Physics Research B, 1984, 5, 389-393.	0.6	13
129	$^{14}\text{C}/^{12}\text{C}$ -ratios in organic matter and hydrocarbons extracted from dated Lake sediments. Nuclear Instruments & Methods in Physics Research B, 1984, 5, 394-397.	0.6	13
130	Depth-Dependent Spin Dynamics of Canonical Spin-Glass Films: A Low-Energy Muon-Spin-Rotation Study. Physical Review Letters, 2008, 100, 147205.	2.9	13
131	Absence of spontaneous magnetism associated with a possible time-reversal symmetry breaking state beneath the surface of (110)-oriented $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ superconducting films. Physical Review B, 2013, 88, .	1.1	13
132	Magnetic tricritical point and nematicity in FeSe under pressure. Physical Review B, 2018, 97, .	1.1	13
133	Extended Magnetic Dome Induced by Low Pressures in Superconducting FeSe . Physical Review Letters, 2018, 122, 147001.	1.1	13
134	Superconducting nature of the Bi-II phase of elemental bismuth. Physical Review B, 2019, 99, .	1.1	13
135	Performance of microchannel plates in high magnetic fields. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 263, 397-400.	0.7	12
136	Exotic atoms and their electron shell. Nuclear Instruments & Methods in Physics Research B, 1994, 87, 293-300.	0.6	12
137	Superconductivity of Bi-III phase of elemental bismuth: Insights from muon-spin rotation and density functional theory. Physical Review B, 2018, 98, .	1.1	12
138	Measurement of the Barkas effect around the stopping-power maximum for light and heavy targets. Nuclear Instruments & Methods in Physics Research B, 1997, 122, 162-166.	0.6	11
139	Muonium formation by collisions of muons with solid rare-gas and solid nitrogen layers. Physical Review A, 1998, 58, 3739-3756.	1.0	11
140	Room temperature ferromagnetism in In_xV and In_xV_2 dilute magnetic semiconductors. Physica B: Condensed Matter, 2006, 374-375, 430-432.	1.3	11
141	Low-energy and SQUID evidence of magnetism in highly oriented pyrolytic graphite. Journal of Magnetism and Magnetic Materials, 2010, 322, 1228-1231.	1.0	11
142	Geant4 simulation of the PSI LEM beam line: energy loss and muonium formation in thin foils and the impact of unmoderated muons on the μSR spectrometer. Journal of Instrumentation, 2015, 10, P10025-P10025.	0.5	11
143	Controlling the near-surface superfluid density in underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ by photo-illumination. Scientific Reports, 2014, 4, 6250.	1.6	11
144	Probing the pairing symmetry in the over-doped Fe-based superconductor $\text{Ba}_{1-x}\text{Fe}_x\text{As}_2$ as a function of hydrostatic pressure. Physical Review B, 2016, 93, .	1.1	11

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145	Magnetic states of MnP: muon-spin rotation studies. Journal of Physics Condensed Matter, 2017, 29, 164003.	0.7	11
146	The anisotropy of the MO-2p γ -radiation observed in symmetric heavy ion collisions. Zeitschrift für Physik A, 1978, 287, 33-36.	1.4	10
147	Compound elastic cross sections in the isobaric analog resonances $^{88}\text{Sr}(p,p_0)$ at 5.06 MeV and $^{86}\text{Sr}(p,p_0)$ at 6.02 MeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 130, 246-250.	1.5	10
148	Properties of milligram size samples prepared for AMS ^{14}C dating at ETH. Nuclear Instruments & Methods in Physics Research B, 1984, 5, 284-288.	0.6	10
149	The new high-intensity surface muon beam for the generation of low-energy muons at PSI. Physica B: Condensed Matter, 2006, 374-375, 460-463.	1.3	10
150	Cooperative coupling of static magnetism and bulk superconductivity in the stripe phase of $\text{La}_{1-x}\text{Pr}_x\text{NiO}_2$: Pressure- and doping-dependent studies. Physical Review B, 2016, 94, .	1.1	9
151	Title is missing!, 1999, 120/121, 569-573.		9
152	Nodeless superconductivity in quasi-one-dimensional $\text{Nb}_{1-x}\text{Sb}_x\text{S}$. Physical Review B, 2015, 91, .	1.1	9
153	The ETH/SIN Dating Facility: A Status Report. Radiocarbon, 1986, 28, 246-255.	0.8	8
154	Upgrading the PSI Muon Facility. Hyperfine Interactions, 2001, 138, 483-488.	0.2	8
155	A novel VME based SR data acquisition system at PSI. Physica B: Condensed Matter, 2009, 404, 1007-1009.	1.3	8
156	Modifications of the Meissner screening profile in YBaCuO_{1-x} . Physical Review B, 2014, 90, .	1.1	8
157	Depth dependence of the ionization energy of shallow hydrogen states in ZnO and CdS. Physical Review B, 2014, 90, .	1.1	8
158	Core-shell nanostructure in a $\text{Ge}_{1-x}\text{Sn}_x$ alloy: $x > 0.9$ observed via structural and magnetic measurements. Physical Review B, 2015, 91, .	1.1	8
159	^{119}Sn -NMR investigations on superconducting $\text{Ca}_3\text{Ir}_4\text{Sn}_{13}$: Evidence for multigap superconductivity. Physica B: Condensed Matter, 2015, 479, 51-53.	1.3	8
160	Impact parameter dependence of L- and K-shell excitation in I-Ag collisions. Zeitschrift für Physik A, 1983, 311, 7-17.	1.4	7
161	Geant4 simulation of low energy experiments at PSI. Physica B: Condensed Matter, 2006, 374-375, 498-501.	1.3	7
162	Magnetism, superconductivity, and coupling in cuprate heterostructures probed by low-energy muon-spin rotation. Physical Review B, 2012, 85, .	1.1	7

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163	Accelerator Radiocarbon Ages on Foraminifera Separated from Deep-Sea Sediments. Geophysical Monograph Series, 0, , 143-153.	0.1	7
164	A segmented conical electric lens for optimization of the beam spot of the low-energy muon facility at PSI: a Geant4 simulation analysis. Nuclear Science and Techniques/Hewuli, 2017, 28, 1.	1.3	7
165	Magnetic order of intermetallic FeGa by μSR . FeGa μSR study. μSR study. Physical Review B, 2017, 95, .	1.1	7
166	Equilibrium properties of superconducting niobium at high magnetic fields: A possible existence of a filamentary state in type-II superconductors. Physical Review B, 2017, 95, .	1.1	7
167	Superconducting Properties of Cu Intercalated Bi_2Se_3 Studied by Muon Spin Spectroscopy. , 2018, , .		7
168	Structural phases of elemental Ga: Universal relations in conventional superconductors. Physical Review B, 2020, 101, .	1.1	7
169	Azimuthal angle dependence of molecular orbital K X-rays in heavy ion collisions. Zeitschrift für Physik A, 1981, 300, 105-106.	1.4	6
170	Time delay effects on K α -ray production probability in deep inelastic U + U and U + Pb nuclear reactions. Physical Review C, 1987, 36, 143-152.	1.1	6
171	Muonium formation at keV energies. Physica B: Condensed Matter, 2003, 326, 51-54.	1.3	6
172	Diffusion of muons in metallic multilayers. Physica B: Condensed Matter, 2003, 326, 545-549.	1.3	6
173	studies of hydrogen-bonded ferroelectrics and antiferroelectrics. Physica B: Condensed Matter, 2007, 388, 274-277.	1.3	6
174	Interaction between the magnetic and superconducting order parameters in $\text{La}_{1.94}\text{Sr}_{0.06}\text{CuO}_4$ wire studied via muon spin rotation. Physical Review B, 2009, 80, .	1.1	6
175	Electric-Field-Enhanced Neutralization of Deep Centers in GaAs. Physical Review Letters, 2009, 103, 216601.	2.9	6
176	GEANT4 as a simulation framework in. Physica B: Condensed Matter, 2009, 404, 966-969.	1.3	6
177	Superconducting properties of $\text{Ca}_3\text{Ir}_4\text{Sn}_{13}$: a μSR study. Journal of Physics: Conference Series, 2014, 551, 012029.	0.3	6
178	Effect of disorder on a pressure-induced quantum phase transition. Physical Review B, 2016, 94, .		
179	electron-doped cuprate $\text{Pr}_{1-x}\text{Ce}_x\text{FeAs}_2$ μSR study. Physical Review B, 2017, 96, .	1.1	6
180	Computer controlled accelerator mass spectrometry. Nuclear Instruments & Methods in Physics Research B, 1984, 5, 238-241.	0.6	5

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181	K-vacancy production in high-energy U+U and U+Pb collisions at small impact parameters. Zeitschrift für Physik A, Atomic Nuclei, 1986, 323, 127-137.	0.3	5
182	Slow order-parameter fluctuations in superconducting Pb and Ag/Nb films observed using μ SR detected nuclear magnetic resonance. Physical Review B, 2012, 85, .	1.1	5
183	Field dependence of the superconducting gap in YPd_2Sn : μ SR and NMR study. Journal of Physics: Conference Series, 2014, 551, 012027.	0.3	5
184	The synthesis and characterization of 1 1 1 type diluted ferromagnetic semiconductor $(\text{La}_{1-x}\text{Ca}_x)(\text{Zn}_{1-x}\text{Mn}_x)\text{AsO}$. Journal of Physics Condensed Matter, 2016, 28, 026003.	0.7	5
185	Meissner screening as a probe for inverse superconductor-ferromagnet proximity effects. Physical Review B, 2021, 104, .	1.1	5
186	Physics and applications of low energy muons. , 2017, , 343-404.		5
187	Efficiency parameters of the ETH AMS facility. Nuclear Instruments & Methods in Physics Research B, 1985, 10-11, 877-880.	0.6	4
188	Extreme UV imaging telescope array on the spectrum X-G satellite. , 1990, 1344, 132.		4
189	Development of a beam of very slow polarized muons. Hyperfine Interactions, 1996, 97-98, 395-406.	0.2	4
190	Range studies of low-energy muons in a thin Al film. Physica B: Condensed Matter, 2000, 289-290, 658-661.	1.3	4
191	Temperature dependence of the magnetic penetration depth in an $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ film. Physica B: Condensed Matter, 2000, 289-290, 369-372.	1.3	4
192	Muon Spin Rotation and Relaxation Experiments on Thin Films. Hyperfine Interactions, 2001, 133, 179-195.	0.2	4
193	A New High-intensity, Low-momentum Muon Beam for the Generation of Low-energy Muons at PSI. Hyperfine Interactions, 2005, 159, 385-388.	0.2	4
194	A (closer) look below surfaces and at heterostructures with polarized muons. Physica B: Condensed Matter, 2009, 404, 577-580.	1.3	4
195	High-pressure muon spin rotation studies of magnetic semiconductors: EuS. Physica B: Condensed Matter, 2009, 404, 903-905.	1.3	4
196	Inhomogeneous ordering in weakly coupled Heisenberg $S=1/2$ chains with random bonds. Physical Review B, 2014, 90, .	1.1	4
197	Polymer dynamics near the surface and in the bulk of poly(tetrafluoroethylene) probed by zero-field muon-spin-relaxation spectroscopy. Physical Review E, 2014, 89, 022605.	0.8	4
198	Angular dependence of K-shell ionization in ion-atom collisions. Physical Review A, 1984, 29, 2440-2447.	1.0	3

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199	Development of a very low energy $\hat{1}/4+$ beam at PSI. Hyperfine Interactions, 1994, 87, 1075-1081.	0.2	3
200	Ionization in collisions between $30\hat{a}^{\text{e}}1000\hat{a}^{\text{e}}$,keV antiprotons and atomic hydrogen. Canadian Journal of Physics, 1996, 74, 490-495.	0.4	3
201	Non-dissociative and dissociative ionization of molecules by impact of 40 - 1000 keV antiprotons. Journal of Physics B: Atomic, Molecular and Optical Physics, 1997, 30, 3417-3421.	0.6	3
202	Magnetism of thin chromium films studied with low-energy muon spin rotation. Physica B: Condensed Matter, 2000, 289-290, 326-330.	1.3	3
203	Measurements of the penetration depth of an YBa ₂ Cu ₃ O ₇ \hat{a}^{e} thin film with low-energy muons. Physica B: Condensed Matter, 2000, 289-290, 334-337.	1.3	3
204	Long range electron spin polarization in the Ag layer of a Fe/Ag film. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 1128-1129.	1.0	3
205	Nonlocal Meissner screening. Physica B: Condensed Matter, 2006, 374-375, 243-246.	1.3	3
206	Position-sensitive detectors for muon spectroscopy: Design goals, constraints and perspectives. Physica B: Condensed Matter, 2006, 374-375, 494-497.	1.3	3
207	Electron localization into magnetic polaron in EuS. Physica B: Condensed Matter, 2009, 404, 896-898.	1.3	3
208	Low-energy muon [LEM] study of Zn-phthalocyanine and ZnO thin films. Physica B: Condensed Matter, 2009, 404, 870-872.	1.3	3
209	Low-energy $\hat{1}/4$ SR Investigations of Photo-induced Effects on a nm Scale. Physics Procedia, 2012, 30, 219-223.	1.2	3
210	Superconductivity in La _{1.56} Sr _{0.44} CuO ₄ /La ₂ CuO ₄ Superlattices. Physics Procedia, 2012, 30, 271-274.	1.2	3
211	\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> $\hat{1}/4$ \rangle SR and NMR study of the superconducting Heusler compound YPd \langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle mml:msub \langle mml:mrow / \rangle \langle mml:mn \langle mml:mn \langle mml:msub \langle mml:math \langle mml:mnSn. Physical Review B, 2013, 88, .	1.1	3
212	Nanoscale depth-resolved polymer dynamics probed by the implantation of low energy muons. Polymer, 2016, 105, 516-525.	1.8	3
213	Kubo spins in nanoscale aluminum grains: A muon spin relaxation study. Physical Review B, 2020, 101, .	1.1	3
214	On the Production of Exotic Atoms: From Basic Facts to Advanced Techniques. Springer Proceedings in Physics, 1992, , 33-53.	0.1	3
215	Threshold behaviour of the MO x-ray anisotropy spectra observed in heavy ions collisions. Physics Letters, Section A: General, Atomic and Solid State Physics, 1982, 88, 131-134.	0.9	2
216	K-shell ionization in 7.5- and 8.6-MeV/a.m.u. U+U collisions at very small impact parameters. Zeitschrift F $\hat{A}1/4$ r Physik D-Atoms Molecules and Clusters, 1986, 2, 91-98.	1.0	2

#	ARTICLE	IF	CITATIONS
217	Muon depolarization in liquid ^3He . <i>Hyperfine Interactions</i> , 1994, 87, 1017-1022.	0.2	2
218	A low-energy muon study of thermal activation in single-domain iron particles. <i>Physica B: Condensed Matter</i> , 2000, 289-290, 137-140.	1.3	2
219	Antiferromagnetic transition in epitaxial strained La_2CuO_4 thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 110-111.	1.0	2
220	Applied muon science: novel perspectives in nano-science. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2005, 149, 73-78.	0.5	2
221	Thin Film, Near-Surface and Multi-Layer Investigations by Low-Energy μ^+ SR. <i>Hyperfine Interactions</i> , 2005, 159, 227-234.	0.2	2
222	Exploring the performance of SR position-sensitive detectors through numerical simulations. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 591, 306-310.	0.7	2
223	Investigating the occurrence of magnetic order in strained thin films of $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ by muon spin relaxation. <i>Europhysics Letters</i> , 2008, 83, 47013.	0.7	2
224	Magnetism and superconductivity in cuprate heterostructures studied by low energy. <i>Physica B: Condensed Matter</i> , 2009, 404, 720-723.	1.3	2
225	Near-surface muonium states in germanium. <i>Physica B: Condensed Matter</i> , 2009, 404, 866-869.	1.3	2
226	Normal state above the upper critical field in FeAs_2 . <i>Physical Review B</i> , 2017, 95, 114407.	1.1	2
227	Pressure-induced magnetism in the iron-based superconductors FeAs_2 and $\text{FeTe}_{1-x}\text{Se}_x$. <i>Physical Review B</i> , 2017, 95, 114407.	1.1	2
228	Collisions of antiparticles with atoms. , 1991, , 171-190.		2
229	Separated projectile and target α -ray production in symmetric heavy ion collisions as a function of the target thickness. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1986, 4, 133-140.	1.0	1
230	Superparamagnetism in Heterogeneous AgFe Thin Films – A Low Energy μ^+ SR Study. <i>Hyperfine Interactions</i> , 2001, 136/137, 403-408.	0.2	1
231	Low energy studies of semiconductor interfaces. <i>Physica B: Condensed Matter</i> , 2009, 404, 873-875.	1.3	1
232	Absolute Value and Anisotropy of the Magnetic Penetration Depth in $\text{YBa}_2\text{Cu}_3\text{O}_{6.92}$. <i>Physics Procedia</i> , 2012, 30, 235-240.	1.2	1
233	Microscopic investigation of the weakly correlated noncentrosymmetric superconductor SrAuSi_3 . <i>Physical Review B</i> , 2018, 97, .	1.1	1
234	Pressure dependence of the superconducting and magnetic transition temperatures in Sr_2RuO_4 . <i>Physical Review B</i> , 2021, 104, .	1.1	1

#	ARTICLE	IF	CITATIONS
235	Low-Energy Muons at PSI: Examples of Investigations of Superconducting Properties in Near-Surface Regions and Heterostuctures. , 2014, , .		1
236	Bounds for ladder graph scattering amplitudes on the boundary of their cut. Journal of Mathematical Physics, 1977, 18, 1480-1484.	0.5	0
237	Niederenergetische spinpolarisierte Myonen als Sonden für dünnschichtsysteme. Physik Journal, 1997, 53, 1210-1212.	0.1	0
238	Low-energy muon study of CMR and spin-glass films. Physica B: Condensed Matter, 2000, 289-290, 331-333.	1.3	0
239	Publisher's Note: Magnetic polarons in Eu-based films of magnetic semiconductors [Phys. Rev. B 81(10), 153201 (2010)]. Physical Review B, 2010, 81, .	1.1	0
240	Use of the Strong Collision Model to Calculate Spin Relaxation. Physics Procedia, 2012, 30, 38-41.	1.2	0
241	Publisher's Note: Nonlocal effect and dimensions of Cooper pairs measured by low-energy muons and polarized neutrons in type-I superconductors [Phys. Rev. B 87, 104508 (2013)]. Physical Review B, 2013, 87, .	1.1	0
242	Recent Progress in Antiproton-Atom Collisions. , 1990, , 47-51.		0
243	Thin Film, Near-Surface and Multi-Layer Investigations by Low-Energy μ^+ +SR. , 2005, , 664-671.		0
244	A New High-Intensity, Low-Momentum Muon Beam for the Generation of Low-Energy Muons at PSI. , 2005, , 812-815.		0