

# Alex Amato

## List of Publications by Citations

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421  
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434  
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10,939  
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#	Paper	IF	Citations
421	The electronic phase diagram of the LaO(1-x)F(x)FeAs superconductor. <i>Nature Materials</i> , <b>2009</b> , 8, 305-9	27	363
420	Quantum magnetism in the paratacamite family: towards an ideal kagome lattice. <i>Physical Review Letters</i> , <b>2007</b> , 98, 077204	7.4	349
419	Inelastic neutron scattering study of cerium heavy fermion compounds. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1988</b> , 76-77, 376-384	2.8	260
418	Commensurate spin density wave in LaFeAsO: a local probe study. <i>Physical Review Letters</i> , <b>2008</b> , 101, 077005	7.4	258
417	Synthesis and crystal growth of Cs(0.8)(FeSe(0.98))(2): a new iron-based superconductor with T(c) = 27 K. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 052203	1.8	236
416	Heavy-fermion systems studied by BR technique. <i>Reviews of Modern Physics</i> , <b>1997</b> , 69, 1119-1180	40.5	208
415	Kapellasite: a kagome quantum spin liquid with competing interactions. <i>Physical Review Letters</i> , <b>2012</b> , 109, 037208	7.4	169
414	Field and temperature dependence of the superfluid density in LaFeAsO1-xFx superconductors: a muon spin relaxation study. <i>Physical Review Letters</i> , <b>2008</b> , 101, 097009	7.4	160
413	Surface and bulk electronic structure of the strongly correlated system SmB6 and implications for a topological Kondo insulator. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	156
412	Direct observation of the spin texture in SmB6 as evidence of the topological Kondo insulator. <i>Nature Communications</i> , <b>2014</b> , 5, 4566	17.4	155
411	Coexistence of magnetism and superconductivity in the iron-based compound Cs0.8(FeSe0.98)2. <i>Physical Review Letters</i> , <b>2011</b> , 106, 117602	7.4	153
410	Pressure induced static magnetic order in superconducting FeSe1-x. <i>Physical Review Letters</i> , <b>2010</b> , 104, 087003	7.4	149
409	Strong coupling between magnetic and structural order parameters in SrFe2As2. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	119
408	Evidence for superconductivity with broken time-reversal symmetry in locally noncentrosymmetric SrPtAs. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	118
407	Thermodynamic and transport properties of CeCu6. <i>Journal of Low Temperature Physics</i> , <b>1987</b> , 68, 371-397		116
406	Momentum-resolved superconducting gap in the bulk of Ba1-xKxFe2As2 from combined ARPES and BR measurements. <i>New Journal of Physics</i> , <b>2009</b> , 11, 055069	2.9	115
405	Interplay of rare earth and iron magnetism in RFeAsO (R=La, Ce, Pr, and Sm): Muon-spin relaxation study and symmetry analysis. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	114

404	Coexistence of incommensurate magnetism and superconductivity in $\text{Fe}_{1+y}\text{Se}_x\text{Te}_{1-x}$ . <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	112
403	Dynamics in canonical spin glasses observed by muon spin depolarization. <i>Physical Review Letters</i> , <b>1994</b> , 72, 1291-1294	7.4	106
402	Coexistence of local moment magnetism and heavy-fermion superconductivity in $\text{UPd}_2\text{Al}_3$ . <i>Physical Review Letters</i> , <b>1994</b> , 73, 1849-1852	7.4	100
401	Two-gap superconductivity in $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ : a complementary study of the magnetic penetration depth by muon-spin rotation and angle-resolved photoemission. <i>Physical Review Letters</i> , <b>2009</b> , 102, 187005	7.4	98
400	Spontaneous Magnetic Ordering in the Fullerene Charge-Transfer Salt (TDAE) $\text{C}_{60}$ . <i>Science</i> , <b>1995</b> , 267, 1799-802	33.3	98
399	Evidence of nodeless superconductivity in $\text{FeSe}_{0.85}$ from a muon-spin-rotation study of the in-plane magnetic penetration depth. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	92
398	Microscopic coexistence of superconductivity and magnetism in $\text{Ba}_{(1-x)}\text{K}_x\text{Fe}_2\text{As}_2$ . <i>Physical Review Letters</i> , <b>2011</b> , 107, 237001	7.4	89
397	Evolution of two-gap behavior of the superconductor $\text{FeSe}_{1-x}$ . <i>Physical Review Letters</i> , <b>2010</b> , 104, 087004	7.4	88
396	Evidence for time-reversal symmetry breaking in superconducting $\text{PrPt}_4\text{Ge}_{12}$ . <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	86
395	Muon spin rotation studies of $\text{SmFeAsO}_{0.85}$ and $\text{NdFeAsO}_{0.85}$ superconductors. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	84
394	Spin dynamics and magnetic order in magnetically frustrated $\text{Tb}_2\text{Sn}_2\text{O}_7$ . <i>Physical Review Letters</i> , <b>2006</b> , 96, 127202	7.4	80
393	Magnetic order in the pyrochlore iridates $\text{A}_2\text{Ir}_2\text{O}_7$ ( $\text{A} = \text{Y}, \text{Yb}$ ). <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	74
392	Cascade of bulk magnetic phase transitions in $\text{Na}_x\text{CoO}_2$ as studied by muon spin rotation. <i>Physical Review Letters</i> , <b>2005</b> , 94, 136403	7.4	74
391	Heavy Fermion Superconductivity and Antiferromagnetic Ordering in $\text{CePt}_3\text{Si}$ without Inversion Symmetry. <i>Journal of the Physical Society of Japan</i> , <b>2007</b> , 76, 051009	1.5	73
390	Weak ferromagnetism in $\text{Cu}_2\text{O}_4$ copper metaborate. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 205, 105-109	2.8	67
389	Spatial inhomogeneity of magnetic moments in the cobalt oxide spinel $\text{Co}_3\text{O}_4$ . <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	66
388	Orbital and spin effects for the upper critical field in As-deficient disordered Fe pnictide superconductors. <i>New Journal of Physics</i> , <b>2009</b> , 11, 075007	2.9	64
387	Magnetic phase diagram of layered cobalt dioxide $\text{Li}_x\text{CoO}_2$ . <i>Physical Review Letters</i> , <b>2007</b> , 99, 087601	7.4	63

386	Signatures of the topological s superconducting order parameter in the type-II Weyl semimetal T-MoTe. <i>Nature Communications</i> , <b>2017</b> , 8, 1082	17.4	62
385	Transport properties of CeCu <sub>6</sub> single crystals. <i>Solid State Communications</i> , <b>1985</b> , 55, 1131-1133	1.6	60
384	Superconducting properties of single-crystalline A <sub>x</sub> Fe <sub>2-y</sub> Se <sub>2</sub> (A=Rb, K) studied using muon spin spectroscopy. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	59
383	Direct evidence for a dynamical ground state in the highly frustrated Tb <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> pyrochlore. <i>Physical Review Letters</i> , <b>2006</b> , 97, 117203	7.4	59
382	Magnetism in semiconducting molybdenum dichalcogenides. <i>Science Advances</i> , <b>2018</b> , 4, eaat3672	14.3	56
381	Superconductivity in a new layered bismuth oxyselenide: LaO(0.5)F(0.5)BiSe. <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 215702	1.8	55
380	Spin-glass state and long-range magnetic order in Pb(Fe <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> seen via neutron scattering and muon spin rotation. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	55
379	Dynamical splayed ferromagnetic ground state in the quantum spin ice Yb <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> . <i>Physical Review Letters</i> , <b>2013</b> , 110, 127207	7.4	54
378	Muon spin rotation and relaxation in the superconducting ferromagnet UCoGe. <i>Physical Review Letters</i> , <b>2009</b> , 102, 167003	7.4	52
377	Transport properties under magnetic fields of the heavy fermion system CeRu <sub>2</sub> Si <sub>2</sub> and related compounds (Ce, La)Ru <sub>2</sub> Si <sub>2</sub> . <i>Journal of Low Temperature Physics</i> , <b>1989</b> , 77, 195-208	1.3	52
376	High pressure research using muons at the Paul Scherrer Institute. <i>High Pressure Research</i> , <b>2016</b> , 36, 140-166	16.6	51
375	Fermi liquid aspects in valence fluctuating systems. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1985</b> , 52, 85-90	2.8	51
374	Competition between magnetism and superconductivity in CeCu <sub>2</sub> Si <sub>2</sub> . <i>Physical Review B</i> , <b>1997</b> , 56, 699-710	3.3	48
373	Thermopower of CeM <sub>2</sub> Si <sub>2</sub> (M = Au, Pd, Rh, Ru) compounds. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1985</b> , 47-48, 526-528	2.8	48
372	Tunable anomalous Hall conductivity through volume-wise magnetic competition in a topological kagome magnet. <i>Nature Communications</i> , <b>2020</b> , 11, 559	17.4	47
371	Magnetic order and the electronic ground state in the pyrochlore iridate Nd <sub>2</sub> Ir <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	46
370	Thermopower and magneto-thermopower of CeRu <sub>2</sub> Si <sub>2</sub> single crystals. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1988</b> , 76-77, 263-264	2.8	46
369	Effect of two gaps on the flux-lattice internal field distribution: evidence of two length scales in Mg(1-x)Al <sub>x</sub> B <sub>2</sub> from muSR. <i>Physical Review Letters</i> , <b>2004</b> , 93, 217003	7.4	45

368	Short-range correlations in the magnetic ground state of $\text{NaIrO}_3$ . <i>Physical Review Letters</i> , <b>2014</b> , 113, 247601	7.4	43
367	Magnetic analog of the isotope effect in cuprates. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	43
366	Evidence of two dimensionality in quasi-one-dimensional cobalt oxides. <i>Physical Review Letters</i> , <b>2006</b> , 96, 197206	7.4	43
365	Crystal electric field next to a hydrogen-like interstitial $\mu^+$ in $\text{PrNi}_5$ . <i>Zeitschrift für Physik B-Condensed Matter</i> , <b>1995</b> , 99, 3-13		43
364	Two-step magnetic ordering in quasi-one-dimensional helimagnets: possible experimental validation of villain's conjecture about a chiral spin liquid phase. <i>Physical Review Letters</i> , <b>2008</b> , 100, 057203	7.4	42
363	A neutron scattering study of magnetic excitations in the heavy fermion compound $\text{CeCu}_6$ . <i>Journal of Magnetism and Magnetic Materials</i> , <b>1987</b> , 63-64, 289-292	2.8	42
362	Spin-liquid ground state in the frustrated kagome antiferromagnet $\text{MgCu}_3(\text{OH})_6\text{Cl}_2$ . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	41
361	Exotic transition in the three-dimensional spin-liquid candidate $\text{Tb}_2\text{Ti}_2\text{O}_7$ . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	41
360	Weak-magnetism phenomena in heavy-fermion superconductors: selected $\mu\text{SR}$ studies. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S4403-S4420	1.8	41
359	Kondo disorder and non-Fermi-liquid behavior in $\text{UCu}_{5-x}\text{Pd}_x$ and $\text{CeCu}_{5.9}\text{Au}_{0.1}$ . <i>Physical Review B</i> , <b>1996</b> , 54, 13000-13008	3.3	41
358	Ultraslow-moment static magnetism in $\text{CeRu}_2\text{Si}_2$ . <i>Physical Review B</i> , <b>1994</b> , 50, 619-622	3.3	41
357	Muon spin relaxation measurements of $\text{Na}_x\text{CoO}_2 \cdot y\text{H}_2\text{O}$ . <i>Physical Review Letters</i> , <b>2004</b> , 92, 257007	7.4	40
356	Common energy scale for magnetism and superconductivity in underdoped cuprates: a muon spin resonance investigation of $(\text{Ca}(x)\text{La}(1-x))(\text{Ba}(1.75-x)\text{La}(0.25+x))\text{Cu}_3\text{O}(y)$ . <i>Physical Review Letters</i> , <b>2002</b> , 88, 137003	7.4	39
355	Robust Magnetic Properties of a Sublimable Single-Molecule Magnet. <i>ACS Nano</i> , <b>2016</b> , 10, 5663-9	16.7	38
354	Inhomogeneous magnetism in $\text{URu}_2\text{Si}_2$ studied by muon spin relaxation under high pressure. <i>Physica B: Condensed Matter</i> , <b>2003</b> , 326, 418-421	2.8	37
353	Magnetic-flux distribution and the magnetic penetration depth in superconducting polycrystalline $\text{Bi}_2\text{Sr}_2\text{Ca}_{1-x}\text{Y}_x\text{Cu}_2\text{O}_{8+\delta}$ and $\text{Bi}_{2-x}\text{Pb}_x\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ . <i>Physical Review B</i> , <b>1993</b> , 48, 13022-13036	3.3	37
352	Magnetic and Superconducting Properties of the Heavy-Fermion Superconductor $\text{UPd}_2\text{Al}_3$ . <i>Europhysics Letters</i> , <b>1992</b> , 19, 127-133	1.6	37
351	Depth-dependent spin dynamics in thin films of $\text{TbPc}_2$ nanomagnets explored by low-energy implanted muons. <i>ACS Nano</i> , <b>2012</b> , 6, 8390-6	16.7	36

350	Fe57 Mössbauer spectral and muon spin relaxation study of the magnetodynamics of monodispersed Fe2O3 nanoparticles. <i>Physical Review B</i> , <b>2007</b> , 76,	3-3	36
349	muSR study of the quantum dynamics in the frustrated S=3/2 kagome bilayers. <i>Physical Review Letters</i> , <b>2004</b> , 93, 187201	7-4	36
348	The new versatile general purpose surface-muon instrument (GPS) based on silicon photomultipliers for BR measurements on a continuous-wave beam. <i>Review of Scientific Instruments</i> , <b>2017</b> , 88, 093301	1-7	35
347	Spin dynamics and disorder effects in the S=12 kagome Heisenberg spin-liquid phase of kapellasite. <i>Physical Review B</i> , <b>2014</b> , 90,	3-3	35
346	A neutron scattering and BR investigation of the magnetic phase transitions of CuB2O4. <i>Physica B: Condensed Matter</i> , <b>2002</b> , 318, 277-281	2-8	35
345	Coexistence of magnetism and superconductivity in the heavy-fermion superconductor CePt3Si. <i>Physical Review B</i> , <b>2005</b> , 71,	3-3	35
344	μ SR studies of UM2Al3, M=Ni, Pd. <i>European Physical Journal B</i> , <b>1992</b> , 86, 159-160	1-2	35
343	Pressure-induced electronic phase separation of magnetism and superconductivity in CrAs. <i>Scientific Reports</i> , <b>2015</b> , 5, 13788	4-9	34
342	Tuning of competing magnetic and superconducting phase volumes in LaFeAsO0.945F0.055 by hydrostatic pressure. <i>Physical Review B</i> , <b>2011</b> , 84,	3-3	34
341	Nd2Sn2O7: An all-in/all-out pyrochlore magnet with no divergence-free field and anomalously slow paramagnetic spin dynamics. <i>Physical Review B</i> , <b>2015</b> , 92,	3-3	33
340	Avoided ferromagnetic quantum critical point: unusual short-range ordered state in CeFePO. <i>Physical Review Letters</i> , <b>2012</b> , 109, 216402	7-4	33
339	Superconductivity and field-induced magnetism in SrFe_{1.75}Co_{0.25}As_{2}. <i>Physical Review Letters</i> , <b>2009</b> , 103, 067010	7-4	32
338	Spin-glass state in CuGa2O4. <i>Physical Review B</i> , <b>2001</b> , 63,	3-3	32
337	Electronic changes induced by μ in PrIn3: Muon-spin-rotation observation and crystalline-electric-field model calculation. <i>Physical Review B</i> , <b>1997</b> , 56, 9397-9405	3-3	31
336	Magnetic-ordering, hyperfine, and linear contributions to the low-temperature specific heat of (Y1-xPrx)Ba2Cu3O7- delta. <i>Physical Review B</i> , <b>1991</b> , 43, 11488-11491	3-3	31
335	Understanding the BR spectra of MnSi without magnetic polarons. <i>Physical Review B</i> , <b>2014</b> , 89,	3-3	30
334	Magnetic phase transitions in the double spin-chains compound LiCu2O2. <i>Physica B: Condensed Matter</i> , <b>2001</b> , 296, 306-311	2-8	30
333	Magnetic excitations in single crystal PrNi5. <i>Solid State Communications</i> , <b>1992</b> , 82, 767-771	1-6	30

332	Spin Liquid State in the 3D Frustrated Antiferromagnet $\text{PbCuTe}_{2}\text{O}_{6}$ : NMR and Muon Spin Relaxation Studies. <i>Physical Review Letters</i> , <b>2016</b> , 116, 107203	7.4	29
331	Low field magnetic response of the non-centrosymmetric superconductor YPtBi. <i>Solid State Communications</i> , <b>2014</b> , 183, 13-17	1.6	29
330	Effect of external pressure on the magnetic properties of $\text{LnFeAsO}$ (Ln = La, Ce, Pr, Sm). <i>Superconductor Science and Technology</i> , <b>2012</b> , 25, 084009	3.1	29
329	Antiferromagnetic spin structure and lithium ion diffusion in $\text{Li}_2\text{MnO}_3$ probed by $\mu\text{SR}$ . <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	29
328	Direct evidence for a pressure-induced nodal superconducting gap in the $\text{Ba}_{0.65}\text{Rb}_{0.35}\text{Fe}_2\text{As}_2$ superconductor. <i>Nature Communications</i> , <b>2015</b> , 6, 8863	17.4	28
327	Low superfluid density and possible multigap superconductivity in the $\text{BiS}_2$ -based layered superconductor $\text{Bi}_4\text{O}_4\text{S}_3$ . <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	28
326	Muon spin rotation investigation of the pressure effect on the magnetic penetration depth in $\text{YBa}_2\text{Cu}_3\text{O}_x$ . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	28
325	Static magnetic order in the triangular lattice of $\text{Li}_x\text{NiO}_2$ ( $x \approx 1$ ): Muon-spin spectroscopy measurements. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	28
324	Unconventional superconductivity and magnetism in $\text{CePt}_3\text{Si}_{1-x}\text{Ge}_x$ . <i>Physica B: Condensed Matter</i> , <b>2005</b> , 359-361, 360-367	2.8	28
323	Muon-spin-relaxation studies on the heavy-fermion system with non-Fermi-liquid behavior $\text{CeCu}_5.9\text{Au}_{0.1}$ . <i>Physical Review B</i> , <b>1995</b> , 52, 54-56	3.3	28
322	$\mu\text{SR}$ investigation of local magnetic order in $\text{LiCrO}_2$ . <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	27
321	On the competition between superconductivity and magnetism in $\text{CeCu}_2\text{Si}_2$ . <i>Physica B: Condensed Matter</i> , <b>1995</b> , 206-207, 596-599	2.8	27
320	Low-temperature magnetism in $\text{YbBiPt}$ . <i>Physical Review B</i> , <b>1992</b> , 46, 3151-3154	3.3	27
319	$\mu\text{SR}$ studies of the magnetic and superconducting states of $\text{URu}_2\text{Si}_2$ . <i>Physica B: Condensed Matter</i> , <b>1993</b> , 186-188, 300-302	2.8	27
318	Positive muon spin rotation and relaxation measurements on the ferromagnetic superconductor $\text{UGe}_2$ at ambient and high pressure. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	26
317	Microscopic study of the superconducting state of the iron pnictide $\text{RbFe}_2\text{As}_2$ via muon spin rotation. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	26
316	Evidence for static ultrasmall-moment magnetism in $\text{CeRu}_2\text{Si}_2$ . <i>Physica B: Condensed Matter</i> , <b>1993</b> , 186-188, 276-278	2.8	26
315	Coulomb spin liquid in anion-disordered pyrochlore $\text{TbHfO}$ . <i>Nature Communications</i> , <b>2017</b> , 8, 892	17.4	25

314	Coexistence of low-moment magnetism and superconductivity in tetragonal FeS and suppression of T <sub>c</sub> under pressure. <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	25
313	Gapless quantum spin liquid ground state in the spin-1 antiferromagnet 6HB-Ba <sub>3</sub> NiSb <sub>2</sub> O <sub>9</sub> . <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	25
312	Proximity-induced superconductivity within the insulating (Li <sub>0.84</sub> Fe <sub>0.16</sub> )OH layers in (Li <sub>0.84</sub> Fe <sub>0.16</sub> )OHFe <sub>0.98</sub> Se. <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	25
311	Short-range magnetic ordering process for the triangular-lattice compound NiGa <sub>2</sub> S <sub>4</sub> : A positive muon spin rotation and relaxation study. <i>Physical Review B</i> , <b>2008</b> , 77,	3-3	25
310	Evidence for unidimensional low-energy excitations as the origin of persistent spin dynamics in geometrically frustrated magnets. <i>Physical Review B</i> , <b>2015</b> , 91,	3-3	23
309	Magnetic ground state and spin fluctuations in MnGe chiral magnet as studied by muon spin rotation. <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	23
308	Reentrant quantum criticality in Yb <sub>2</sub> Pd <sub>2</sub> Sn. <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	23
307	Superconductivity and magnetism in Rb <sub>x</sub> Fe <sub>2-x</sub> Se <sub>2</sub> : Impact of thermal treatment on mesoscopic phase separation. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	23
306	μSR study on ferromagnetic hollandite K <sub>2</sub> Cr <sub>8</sub> O <sub>16</sub> and Rb <sub>2</sub> Cr <sub>8</sub> O <sub>16</sub> . <i>Physical Review B</i> , <b>2012</b> , 85,	3-3	23
305	Muon spin relaxation studies of superconductivity in a crystalline array of weakly coupled metal nanoparticles. <i>Physical Review Letters</i> , <b>2006</b> , 97, 077601	7-4	23
304	mu+SR study of zero-field magnetic ordering in CsC <sub>60</sub> . <i>Journal of Physics Condensed Matter</i> , <b>1995</b> , 7, L567-L573	1.8	23
303	Magnetic structure and spin dynamics of the quasi-one-dimensional spin-chain antiferromagnet BaCo <sub>2</sub> V <sub>2</sub> O <sub>8</sub> . <i>Physical Review B</i> , <b>2011</b> , 83,	3-3	22
302	Residual resistivity in cerium heavy fermion compounds. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1988</b> , 76-77, 285-286	2.8	22
301	Absence of time-reversal symmetry breaking in the noncentrosymmetric superconductor Mo <sub>3</sub> Al <sub>2</sub> C. <i>Physical Review B</i> , <b>2014</b> , 90,	3-3	21
300	SrPt <sub>3</sub> P: A two-band single-gap superconductor. <i>Physical Review B</i> , <b>2014</b> , 90,	3-3	21
299	Muon-spin rotation and relaxation study on the quasi-one-dimensional compounds Ca <sub>3</sub> CoRhO <sub>6</sub> , Sr <sub>4</sub> CoRh <sub>2</sub> O <sub>9</sub> , and Sr <sub>5</sub> CoRh <sub>3</sub> O <sub>12</sub> . <i>Physical Review B</i> , <b>2008</b> , 77,	3-3	21
298	Magnetic quantum critical point and superconductivity in UPt <sub>3</sub> doped with Pd. <i>Physical Review Letters</i> , <b>2000</b> , 85, 3005-8	7-4	21
297	High-pressure magnetic state of MnP probed by means of muon-spin rotation. <i>Physical Review B</i> , <b>2016</b> , 93,	3-3	20



296	Photoemission and muon spin relaxation spectroscopy of the iron-based $\text{Rb}_{0.77}\text{Fe}_{1.61}\text{Se}_2$ superconductor: Crucial role of the cigar-shaped Fermi surface. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	20
295	Superconducting and magnetic properties of $\text{Sr}_3\text{Ir}_4\text{Sn}_{13}$ . <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	20
294	Magnetic nature of $\text{K}_x\text{CoO}_2$ near the antiferromagnetic phase with $x=0.5$ : Positive muon spin rotation and relaxation. <i>Physical Review B</i> , <b>2007</b> , 76,	3.3	20
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292	Muons on request (MORE): combining advantages of continuous and pulsed muon beams <b>1999</b> , 120/121, 575-578		20
291	$\mu\text{SR}$ study in $\text{CeCu}_6$ single crystal. <i>Physica B: Condensed Matter</i> , <b>1993</b> , 186-188, 273-275	2.8	20
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283	Static magnetic order in metallic $\text{K}_{0.49}\text{CoO}_2$ . <i>Physical Review Letters</i> , <b>2006</b> , 96, 037206	7.4	19
282	Phase diagram of low doping manganites. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 289-290, 85-88	2.8	19
281	Muon spin rotation ( $\mu\text{SR}$ ) studies of magnetic ordering of $\text{CeB}_6$ . <i>Physica B: Condensed Matter</i> , <b>1994</b> , 194-196, 357-358	2.8	19
280	Muon-spin rotation measurements of the magnetic penetration depth in the iron-based superconductor $\text{Ba}_{1-x}\text{Rb}_x\text{Fe}_2\text{As}_2$ . <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	18
279	$\mu\text{SR}$ -site in heavy-fermion compounds <b>1997</b> , 104, 115-125		18

278	Pressure-induced ferromagnet to spin-glass transition in Gd <sub>2</sub> Mo <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	18
277	Muon spin relaxation and nonmagnetic Kondo state in PrInAg <sub>2</sub> . <i>Physical Review B</i> , <b>2000</b> , 61, 555-563	3.3	18
276	Thermally activated spin fluctuations in stoichiometric LiCoO <sub>2</sub> clarified by electron paramagnetic resonance and muon-spin rotation and relaxation measurements. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	17
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270	Dilution in volborthite S= 1/2 frustrated magnet: a SR and NMR study. <i>Journal of Physics Condensed Matter</i> , <b>2004</b> , 16, S829-S834	1.8	17
269	Universal superconducting and magnetic properties of the (Ca <sub>x</sub> La <sub>1-x</sub> )(Ba <sub>1.75-x</sub> La <sub>0.25+x</sub> )Cu <sub>3</sub> O <sub>y</sub> system: a BR investigation. <i>Solid State Communications</i> , <b>2003</b> , 126, 39-46	1.6	17
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264	A low-background piston-cylinder-type hybrid high pressure cell for muon-spin rotation/relaxation experiments. <i>High Pressure Research</i> , <b>2017</b> , 37, 449-464	1.6	15
263	Structural and magnetic phase transitions in triclinic Ca <sub>10</sub> (FeAs) <sub>10</sub> (Pt <sub>3</sub> As <sub>8</sub> ). <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 122203	1.8	15
262	μSR Study on Antiferromagnetism of Alkali-Metal Clusters Incorporated in Zeolite Sodalite. <i>Journal of the Physical Society of Japan</i> , <b>2010</b> , 79, 073707	1.5	15
261	Study of the positive muon Knight shift in : Evidence for a tetravalent -state and crystalline electric field splitting. <i>European Physical Journal B</i> , <b>2000</b> , 13, 245-256	1.2	15

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259	Muon-spin-rotation studies of HoNi <sub>2</sub> B <sub>2</sub> C. <i>Physical Review B</i> , <b>1996</b> , 53, R510-R513	3.3	15
258	Transport properties of CeCu <sub>6</sub> at very low temperature. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1987</b> , 63-64, 300-302	2.8	15
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255	Magnetic order and superconductivity in single-crystalline CeCu <sub>2</sub> Si <sub>2</sub> . <i>Physica B: Condensed Matter</i> , <b>2006</b> , 374-375, 167-170	2.8	14
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248	Intrinsic magnetic relaxation in goethite. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	13
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245	Magnetic ordering in Li <sub>2</sub> CuO <sub>2</sub> studied by BR technique. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 289-290, 299-302	2.8	13
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241	Short-range magnetic correlations and spin dynamics in the paramagnetic regime of $(\text{Mn,Fe})_2(\text{P,Si})$ . <i>Physical Review B</i> , <b>2016</b> , 94,	3-3	12
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178	Cooperative coupling of static magnetism and bulk superconductivity in the stripe phase of La <sub>2-x</sub> Ba <sub>x</sub> CuO <sub>4</sub> : Pressure- and doping-dependent studies. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	8
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164	$\mu\text{SR}$ investigation of the quasi-elastic magnetic excitations in strongly correlated compounds. <i>Physica B: Condensed Matter</i> , <b>1999</b> , 259-261, 126-127	2.8	7
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130	Magnetic structure of $\text{U}(\text{Pd}_{1-x}\text{Fe}_x)_2\text{Ge}_2$ studied by $\mu\text{SR}$ : comparison with neutron diffraction data. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 289-290, 282-285	2.8	5
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127	Muon spin rotation spectroscopy on a $\text{UNiGa}$ single crystal. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 140-144, 1381-1382	2.8	5
126	Dynamics of $\mu$ in $\text{Sc}$ and $\text{ScH}_x$ . <i>Journal of Alloys and Compounds</i> , <b>1995</b> , 231, 248-251	5.7	5
125	$\mu\text{SR}$ study of the magnetic order in $\text{CeCu}_5$ . <i>Physica B: Condensed Matter</i> , <b>1994</b> , 199-200, 52-54	2.8	5
124	Spin correlations in $(\text{Mn,Fe})_2(\text{P,Si})$ magnetocaloric compounds above Curie temperature. <i>Journal of Science: Advanced Materials and Devices</i> , <b>2016</b> , 1, 147-151	4.2	4
123	Evidence for Cooper pair diffraction on the vortex lattice of superconducting niobium. <i>Physical Review B</i> , <b>2013</b> , 88,	3.3	4
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121	Superconducting parameters of $\text{BaPt}_4\text{Au}_x\text{Ge}_{12}$ filled skutterudite. <i>Physical Review B</i> , <b>2012</b> , 86,	3.3	4
120	$\mu\text{SR}$ studies of the low-temperature magnetism in a valence-fluctuation compound $\text{Sm}_3\text{Se}_4$ <b>1997</b> , 104, 151-156		4
119	Pressure induced collapse of the 4f-electron induced $\mu$ -Knight shift in $\text{Sm}_{0.9}\text{La}_{0.1}\text{S}$ <b>1997</b> , 104, 209-213		4
118	Comparative $\mu\text{SR}$ investigation of static magnetic order and anisotropy of the pure and Pb-doped $\text{Bi}_2\text{Sr}_2\text{Co}_2\text{O}_y$ layered cobalt dioxides. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	4
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110	The neutral fraction of muonium in silicon at high temperatures. <i>Journal of Physics Condensed Matter</i> , <b>2001</b> , 13, 2155-2162	1.8	4
109	A novel set-up for fast muon-spin-rotation experiments. <i>Physica B: Condensed Matter</i> , <b>2000</b> , 289-290, 698-701	2.8	4
108	Light hydrogen isotope $\mu$ in Sc and $\text{BCH}_x$ solid solutions. <i>Physical Review B</i> , <b>2000</b> , 61, 168-183	3.3	4
107	Magnetic properties of $\mu$ : an exemplary study by muon spin-rotation spectroscopy. <i>Journal of Physics Condensed Matter</i> , <b>1998</b> , 10, 8059-8082	1.8	4
106	High-temperature magnetic order in the singlet-ground-state compound $\text{PrCu}_2$ . <i>Physical Review B</i> , <b>1998</b> , 58, 5205-5208	3.3	4
105	Search for weak magnetic order in $\text{CeCu}_5\text{NiAl}_x$ . <i>Physica B: Condensed Matter</i> , <b>1995</b> , 206-207, 261-263	2.8	4
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93	Spin-freezing in superconducting $\text{La}_2\text{CuO}_{4.03}$ single crystal <b>1997</b> , 105, 83-88		3
92	$\mu\text{SR}$ studies of low charge carrier density heavy-fermion systems <b>1997</b> , 104, 165-170		3
91	$\mu\text{SR}$ frequency shifts in the van-Vleck paramagnet $\text{PrIn}_3$ <b>1997</b> , 104, 73-78		3
90	Anisotropic magnetic moments in. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 374-375, 83-86	2.8	3
89	$\mu\text{SR}$ study of frustrated Delafossites $\text{YCuO}_2+x$ <i>Physica B: Condensed Matter</i> , <b>2006</b> , 374-375, 152-155	2.8	3
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40	Electric field gradients probed by $\mu$ SR in Sc and alphas-Sr <sub>2</sub> Co <sub>2</sub> solid solutions <b>1997</b> , 106, 91-95		1
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38	$\mu$ relaxation correlated with susceptibility in the van-Vleck paramagnet PrIn <sub>3</sub> <b>1997</b> , 104, 67-71		1
37	Series of bulk magnetic-phase transitions in : A study. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 374-375, 278-288		1
36	Anisotropy and two-gap contributions to flux lattice in MgB <sub>2</sub> superconductor and Mg <sub>1-x</sub> Al <sub>x</sub> B <sub>2</sub> alloys. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 374-375, 235-238	2.8	1
35	study of the triangular-lattice antiferromagnet. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 374-375, 160-162	2.8	1
34	Nonmagnetic $\rightarrow$ magnetic transition in Yb(Cu <sub>1-x</sub> Ni <sub>x</sub> ) <sub>2</sub> Si <sub>2</sub> studied by muon-spin relaxation. <i>Journal of Physics Condensed Matter</i> , <b>2003</b> , 15, 6997-7017	1.8	1
33	Neutron diffraction, specific heat and BR study of the spin-chain compounds Ca <sub>2+x</sub> Y <sub>2-x</sub> Cu <sub>5</sub> O <sub>10</sub> . <i>Physica B: Condensed Matter</i> , <b>2004</b> , 350, E257-E259	2.8	1
32	BR magnetic studies of CeNi <sub>1-x</sub> Cu <sub>x</sub> . <i>Physica B: Condensed Matter</i> , <b>2002</b> , 312-313, 184-186	2.8	1
31	The electrical activity of hydrogen and muonium in silicon at high temperatures. <i>Physica B: Condensed Matter</i> , <b>2003</b> , 340-342, 641-645	2.8	1
30	Demonstrating multibit magnetic memory in the Fe <sub>8</sub> high-spin molecule by muon spin rotation. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	1
29	Macroscopic and local magnetic moments in Si-doped CuGeO <sub>3</sub> as determined by neutron and BR studies. <i>European Physical Journal B</i> , <b>2001</b> , 21, 307-311	1.2	1
28	Muon localization along a six-fold ring-shaped site and muon quantum hopping in GdNi <sub>5</sub> . <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 330-332, 454-457	5.7	1
27	Determination of the muon site in URh <sub>2</sub> Ge <sub>2</sub> . <i>Physica B: Condensed Matter</i> , <b>2000</b> , 289-290, 228-231	2.8	1

26	Magnetic ordering, hyperfine and $\mu$ on contributions to the low-temperature specific heat of $(Y_{1-x}Pr_x)Ba_2Cu_3O_7$ . <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 185-189, 1069-1070	1.3	1
25	Muon Spin Rotation <b>2005</b> , 41-49		1
24	Pressure Induced Topological Quantum Phase Transition in Weyl Semimetal Td-MoTe <sub>2</sub> . <i>Journal of the Physical Society of Japan</i> , <b>2020</b> , 89, 094707	1.5	1
23	Low-T dynamics in the highly frustrated kagom $\mu$ bilayers: A phenomenological function for a spin liquid state?. <i>Physica B: Condensed Matter</i> , <b>2006</b> , 374-375, 138-141	2.8	0
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17	Static magnetic order in metallic triangular antiferromagnet Ag <sub>2</sub> MnO <sub>2</sub> . <i>Physica B: Condensed Matter</i> , <b>2009</b> , 404, 777-780	2.8	
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