

Graeme Luke

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

311
papers

13,316
citations

57
h-index

106
g-index

329
ext. papers

14,296
ext. citations

5
avg, IF

5.18
L-index

#	Paper	IF	Citations
311	The Highly Frustrated 5d Double Perovskite Doppelg�ngers, SrLaMgReO and SrLaLiOsO. A Comparison including Isostructural LaLiReO. <i>Inorganic Chemistry</i> , 2021 , 60, 16652-16657	5.1	
310	Fully gapped superconductivity in centrosymmetric and noncentrosymmetric Re-B compounds probed with �R. <i>Physical Review B</i> , 2021 , 103,	3.3	1
309	Quantum Critical Point in the Itinerant Ferromagnet Ni_{1-x}Rh_{x}. <i>Physical Review Letters</i> , 2020 , 124, 117203	7.4	6
308	�R study of the triangular Ising antiferromagnet ErMgGaO4. <i>Physical Review B</i> , 2020 , 101,	3.3	4
307	Study of muonium emission from laser-ablated silica aerogel. <i>Progress of Theoretical and Experimental Physics</i> , 2020 , 2020,	5.4	1
306	Multipolar magnetism in d-orbital systems: Crystal field levels, octupolar order, and orbital loop currents. <i>Physical Review B</i> , 2020 , 101,	3.3	8
305	Quantum Spin Ice Dynamics in the Dipole-Octupole Pyrochlore Magnet Ce_{2}Zr_{2}O_{7}. <i>Physical Review Letters</i> , 2019 , 122, 187201	7.4	26
304	Coexistence of metallic and nonmetallic properties in the pyrochlore Lu2Rh2O7. <i>Npj Quantum Materials</i> , 2019 , 4,	5	6
303	�R and magnetometry study of the type-I superconductor BeAu. <i>Physical Review B</i> , 2019 , 99,	3.3	16
302	Low-carrier density and fragile magnetism in a Kondo lattice system. <i>Physical Review B</i> , 2019 , 99,	3.3	3
301	Magnetic monopole noise. <i>Nature</i> , 2019 , 571, 234-239	50.4	17
300	Probing the quantum phase transition in Mott insulator BaCoS2 tuned by pressure and Ni substitution. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
299	Many-body recombination in photoexcited insulating cuprates. <i>Physical Review Research</i> , 2019 , 1,	3.9	4
298	Crystal fields and magnetic structure of the Ising antiferromagnet Er3Ga5O12. <i>Physical Review B</i> , 2019 , 100,	3.3	4
297	Intertwined magnetic, structural, and electronic transitions in V2O3. <i>Physical Review B</i> , 2019 , 100,	3.3	4
296	Noncentrosymmetric superconductor BeAu. <i>Physical Review B</i> , 2018 , 97,	3.3	23
295	�R study of spin freezing and persistent spin dynamics in NaCaNiF. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 385802	1.8	2

294	Disentangling superconducting and magnetic orders in NaFe _{1-x} Ni _x As using muon spin rotation. <i>Physical Review B</i> , 2018 , 97,	3-3	3
293	Mermin-Wagner physics, (H,T) phase diagram, and candidate quantum spin-liquid phase in the spin-12 triangular-lattice antiferromagnet Ba ₈ CoNb ₆ O ₂₄ . <i>Physical Review Materials</i> , 2018 , 2,	3-2	21
292	Common glass-forming spin-liquid state in the pyrochlore magnets Dy ₂ Ti ₂ O ₇ and Ho ₂ Ti ₂ O ₇ . <i>Physical Review B</i> , 2018 , 98,	3-3	6
291	Low-temperature and dynamic magnetism of highly frustrated 5d ₂ Li ₄ MgOsO ₆ polymorphs in comparison with 5d ₃ Li ₃ Mg ₂ OsO ₆ . <i>Physical Review B</i> , 2018 , 98,	3-3	2
290	Dipolar-octupolar Ising antiferromagnetism in Sm ₂ Ti ₂ O ₇ : A moment fragmentation candidate. <i>Physical Review B</i> , 2018 , 98,	3-3	12
289	Uniaxial pressure effect on the magnetic ordered moment and transition temperatures in BaFe _{2-x} T _x As ₂ (T=Co,Ni). <i>Physical Review B</i> , 2017 , 95,	3-3	20
288	Hidden order signatures in the antiferromagnetic phase of U(Ru _{1-x} F _x) ₂ Si ₂ . <i>Physical Review B</i> , 2017 , 95,	3-3	7
287	Phase Competition in the Palmer-Chalker XY Pyrochlore Er ₂ Pt ₂ O ₇ . <i>Physical Review Letters</i> , 2017 , 119, 187201	7-4	14
286	Neutron diffraction and μ SR studies of two polymorphs of nickel niobate NiNb ₂ O ₆ . <i>Physical Review B</i> , 2017 , 96,	3-3	4
285	μ SR study of the noncentrosymmetric superconductor PbTaSe ₂ . <i>Physical Review B</i> , 2017 , 95,	3-3	14
284	Synthesis, Crystal Structure, and Magnetic Properties of the Highly Frustrated Orthorhombic LiMgReO. <i>Inorganic Chemistry</i> , 2017 , 56, 11633-11639	5-1	2
283	Gapped excitations in the high-pressure antiferromagnetic phase of URu ₂ Si ₂ . <i>Physical Review B</i> , 2017 , 95,	3-3	4
282	Structure and magnetic properties of new Be-substituted langasites A ₃ Ga ₃ Ge ₂ BeO ₁₄ (A=Pr, Nd, and Sm). <i>Journal of Solid State Chemistry</i> , 2016 , 233, 14-22	3-3	5
281	Crystal growth and magnetic characterization of a tetragonal polymorph of NiNb ₂ O ₆ . <i>Journal of Solid State Chemistry</i> , 2016 , 236, 19-23	3-3	7
280	Quantifying the hole distribution in cuprates: Atomic-resolution near-edge fine-structures of the superconductor Sr ₃ Ca ₁₁ Cu ₂₄ O ₄₁ 2016 , 970-971		
279	Frustrated magnetism in the double perovskite La ₂ LiOsO ₆ : A comparison with La ₂ LiRuO ₆ . <i>Physical Review B</i> , 2016 , 93,	3-3	26
278	Antiferromagnetism and hidden order in isoelectronic doping of URu ₂ Si ₂ . <i>Physical Review B</i> , 2016 , 93,	3-3	14
277	Inelastic x-ray scattering measurements of phonon dynamics in URu ₂ Si ₂ . <i>Physical Review B</i> , 2016 , 93,	3-3	6

276	Universal dynamic magnetism in Yb pyrochlores with disparate ground states. <i>Physical Review B</i> , 2016 , 93,	3-3	27
275	XY antiferromagnetic ground state in the effective S=12 pyrochlore Yb ₂ Ge ₂ O ₇ . <i>Physical Review B</i> , 2016 , 93,	3-3	27
274	Effect of interlayer coupling on the coexistence of antiferromagnetism and superconductivity in Fe pnictide superconductors: A study of Ca _{0.74} (1)La _{0.26} (1)(Fe _{1-x} Cox)As ₂ single crystals. <i>Physical Review B</i> , 2016 , 93,	3-3	16
273	Relief of frustration in the Heisenberg pyrochlore antiferromagnet Gd ₂ Pt ₂ O ₇ . <i>Physical Review B</i> , 2016 , 94,	3-3	14
272	BR and magnetometry study of superconducting 5% Pt-doped IrTe ₂ . <i>Physical Review B</i> , 2016 , 94,	3-3	2
271	Magnetic ground states in the three Os ⁶⁺ (5d ²) double perovskites Ba ₂ MOsO ₆ (M=Mg,Zn,and Cd) from NÉl order to its suppression. <i>Physical Review B</i> , 2016 , 94,	3-3	21
270	Magnetic dilution and domain selection in the XY pyrochlore antiferromagnet Er ₂ Ti ₂ O ₇ . <i>Physical Review B</i> , 2016 , 94,	3-3	13
269	Real-space localization and quantification of hole distribution in chain-ladder Sr ₃ Ca ₁₁ Cu ₂₄ O ₄₁ superconductor. <i>Science Advances</i> , 2016 , 2, e1501652	14-3	14
268	BR investigation of a new diluted magnetic semiconductor Li(Zn,Mn,Cu)As with Mn and Cu codoping at the same Zn sites. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 366001	1.8	5
267	New Fluoride-arsenide Diluted Magnetic Semiconductor (Ba,K)F(Zn,Mn)As with Independent Spin and Charge Doping. <i>Scientific Reports</i> , 2016 , 6, 36578	4-9	14
266	Volume-wise destruction of the antiferromagnetic Mott insulating state through quantum tuning. <i>Nature Communications</i> , 2016 , 7, 12519	17-4	22
265	Cubic Re (5d) Double Perovskites, BaMgReO, BaZnReO, and BaYReO: Magnetism, Heat Capacity, BR, and Neutron Scattering Studies and Comparison with Theory. <i>Inorganic Chemistry</i> , 2016 , 55, 10701-10713	5-1	24
264	Sub-Kelvin magnetic order in Sm ₃ Ga ₅ O ₁₂ single crystal. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 384, 235-240	2.8	3
263	Superconducting properties of noncentrosymmetric superconductor CaIrSi ₃ investigated by muon spin relaxation and rotation. <i>Physical Review B</i> , 2015 , 91,	3-3	11
262	Magnetic frustration in lead pyrochlores. <i>Physical Review B</i> , 2015 , 91,	3-3	47
261	Electrodynamics of the antiferromagnetic phase in URu ₂ Si ₂ . <i>Physical Review B</i> , 2015 , 92,	3-3	5
260	Superconductivity and crystal structural origins of the metal-insulator transition in Ba _{6-x} Sr _x Nb ₁₀ O ₃₀ tetragonal tungsten bronzes. <i>Physical Review B</i> , 2015 , 92,	3-3	8
259	Non-Fermi Liquid Behavior Close to a Quantum Critical Point in a Ferromagnetic State without Local Moments. <i>Physical Review X</i> , 2015 , 5,	9-1	7

258	Magnetic and transport properties of $\text{Co}_{1-x}\text{Cr}_x\text{Se}_4$. <i>Materials Research Express</i> , 2015 , 2, 105004	1.7	1
257	Synthesis, structure, and magnetic properties of novel B-site ordered double perovskites, SrLaMReO_6 (M = Mg, Mn, Co and Ni). <i>Dalton Transactions</i> , 2015 , 44, 10806-16	4.3	17
256	Supercooled spin liquid state in the frustrated pyrochlore $\text{Dy}_2\text{Ti}_2\text{O}_7$. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 8549-54	11.5	22
255	Spin frustration and magnetic ordering in triangular lattice antiferromagnet $\text{Ca}_3\text{CoNb}_2\text{O}_9$. <i>Chinese Physics B</i> , 2015 , 24, 127508	1.2	3
254	Segregation of antiferromagnetism and high-temperature superconductivity in $\text{Ca}_{1-x}\text{La}_x\text{Fe}_2\text{As}_2$. <i>Physical Review B</i> , 2014 , 89,	3.3	15
253	Ferromagnetic ordering in superatomic solids. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16926-31	6.4	47
252	Spin-Singlet Ground State of Two-Dimensional Quantum Spin Antiferromagnet $(\text{CuCl})\text{Ca}_2\text{Nb}_3\text{O}_{10}$. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 074712	1.5	3
251	Long-range magnetic order in the 5d(2) double perovskite $\text{Ba}_2\text{CaOsO}_6$: comparison with spin-disordered Ba_2YReO_6 . <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 306003	1.8	38
250	High-field electron spin resonance spectroscopy of singlet-triplet transitions in the spin-dimer systems $\text{Sr}_3\text{Cr}_2\text{O}_8$ and $\text{Ba}_3\text{Cr}_2\text{O}_8$. <i>Physical Review B</i> , 2014 , 89,	3.3	7
249	Magnetism in superconducting $\text{EuFe}_2\text{As}_{1.4}\text{P}_{0.6}$ single crystals studied by local probes. <i>Solid State Communications</i> , 2014 , 187, 18-22	1.6	10
248	Incipient ferromagnetism in $\text{Tb}_2\text{Ge}_2\text{O}_7$: application of chemical pressure to the enigmatic spin-liquid compound $\text{Tb}_2\text{Ti}_2\text{O}_7$. <i>Physical Review Letters</i> , 2014 , 113, 267205	7.4	19
247	Evolution of Quantum Fluctuations Near the Quantum Critical Point of the Transverse Field Ising Chain System CoNb_2O_6 . <i>Physical Review X</i> , 2014 , 4,	9.1	46
246	Suppression of TC by overdoped Li in the diluted ferromagnetic semiconductor $\text{Li}_{1+y}(\text{Zn}_{1-x}\text{Mn}_x)\text{P}_2\text{As}_2$ IR investigation. <i>Physical Review B</i> , 2014 , 90,	3.3	19
245	$(\text{Ca},\text{Na})(\text{Zn},\text{Mn})_2\text{As}_2$: A new spin and charge doping decoupled diluted ferromagnetic semiconductor. <i>Journal of Applied Physics</i> , 2014 , 116, 163906	2.5	27
244	$(\text{Sr},\text{Na})(\text{Zn},\text{Mn})_2\text{As}_2$: A diluted ferromagnetic semiconductor with the hexagonal CaAl_2Si_2 type structure. <i>Physical Review B</i> , 2014 , 90,	3.3	26
243	Publisher's Note: $(\text{Sr},\text{Na})(\text{Zn},\text{Mn})_2\text{As}_2$: A diluted ferromagnetic semiconductor with the hexagonal CaAl_2Si_2 type structure [Phys. Rev. B 90, 155202 (2014)]. <i>Physical Review B</i> , 2014 , 90,	3.3	3
242	High-field ESR Studies of the Quantum Spin Dimer System $\text{Ba}_3\text{Cr}_2\text{O}_8$. <i>Journal of Low Temperature Physics</i> , 2013 , 170, 231-235	1.3	8
241	New diluted ferromagnetic semiconductor with Curie temperature up to 180 K and isostructural to the '122' iron-based superconductors. <i>Nature Communications</i> , 2013 , 4, 1442	17.4	128

240	Formation of the coherent heavy fermion liquid at the hidden order transition in URu ₂ Si ₂ . <i>Physical Review Letters</i> , 2013 , 110, 186401	7.4	35
239	Muon spin relaxation and electron/neutron diffraction studies of BaTi ₂ (As _{1-x} Sb _x) ₂ O: Absence of static magnetism and superlattice reflections. <i>Physical Review B</i> , 2013 , 88,	3.3	20
238	(La _{1-x} Ba _x)(Zn _{1-x} Mn _x)AsO: A two-dimensional 1111-type diluted magnetic semiconductor in bulk form. <i>Physical Review B</i> , 2013 , 88,	3.3	61
237	Unconventional magnetic ground state in Yb ₂ Ti ₂ O ₇ . <i>Physical Review B</i> , 2013 , 88,	3.3	53
236	Quadruple-layered perovskite (CuCl)Ca ₂ NaNb ₄ O ₁₃ . <i>Journal of Solid State Chemistry</i> , 2012 , 185, 10-17	3.3	8
235	Observation of multiple-gap structure in hidden order state of URu ₂ Si ₂ from optical conductivity. <i>Physical Review B</i> , 2012 , 86,	3.3	13
234	Hybridization gap versus hidden-order gap in URu ₂ Si ₂ as revealed by optical spectroscopy. <i>Physical Review B</i> , 2012 , 85,	3.3	14
233	New magnetic phase diagram of (Sr,Ca) ₂ RuO ₄ . <i>Nature Materials</i> , 2012 , 11, 323-8	2.7	44
232	Vibrating-coil magnetometry of the spin liquid properties of Tb ₂ Ti ₂ O ₇ . <i>Physical Review Letters</i> , 2012 , 109, 047201	7.4	34
231	Absolute value and temperature dependence of the magnetic penetration depth in Ba(Co _{0.074} Fe _{0.926}) ₂ As ₂ . <i>Physical Review B</i> , 2012 , 85,	3.3	17
230	Neutron scattering study of URu _{2-x} RexSi ₂ (x=0.10): Driving order towards quantum criticality. <i>Physical Review B</i> , 2012 , 86,	3.3	8
229	Optical spectroscopy shows that the normal state of URu ₂ Si ₂ is an anomalous Fermi liquid. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 19161-5	11.5	36
228	A New Type Diluted Magnetic Semiconductor Li(Zn,Mn)As. <i>Journal of Physics: Conference Series</i> , 2012 , 400, 032033	0.3	
227	Spin ice: magnetic excitations without monopole signatures using muon spin rotation. <i>Physical Review Letters</i> , 2011 , 107, 207207	7.4	54
226	Li(Zn,Mn)As as a new generation ferromagnet based on a I-II-V semiconductor. <i>Nature Communications</i> , 2011 , 2, 422	17.4	135
225	Experimental Evidence for Ising Spin-Glass Transition in the YbCoGaO ₄ Single Crystal. <i>Journal of Physics: Conference Series</i> , 2011 , 303, 012064	0.3	2
224	Muon spin relaxation and susceptibility measurements of an itinerant-electron system Sr _{1-x} CaxRuO ₃ : Quantum evolution from ferromagnet to paramagnet. <i>Physical Review B</i> , 2011 , 84,	3.3	17
223	How Kondo-holes create intense nanoscale heavy-fermion hybridization disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 18233-7	11.5	37

222	Robust properties of the superconducting ferromagnet UCoGe. <i>Applied Physics Letters</i> , 2011 , 98, 132507.	3.4	7
221	Static magnetic order of Sr ₄ A ₂ O ₆ Fe ₂ As ₂ (A = Sc and V) revealed by Mössbauer and muon spin relaxation spectroscopies. <i>Physical Review B</i> , 2011 , 84,	3.3	16
220	Absence of static magnetic order in lightly-doped Ti _{1-x} Sc _x OCl down to 1.7 K. <i>Physical Review B</i> , 2011 , 83,	3.3	1
219	Imaging the Fano lattice to 'hidden order' transition in URu(2)Si(2). <i>Nature</i> , 2010 , 465, 570-6	50.4	196
218	Magnetic properties of the geometrically frustrated S=12 antiferromagnets, La ₂ LiMoO ₆ and Ba ₂ YMoO ₆ , with the B-site ordered double perovskite structure: Evidence for a collective spin-singlet ground state. <i>Physical Review B</i> , 2010 , 81,	3.3	90
217	Structure and magnetic properties of the S=1 geometrically frustrated double perovskites La ₂ LiReO ₆ and Ba ₂ YReO ₆ . <i>Physical Review B</i> , 2010 , 81,	3.3	57
216	Possible Bose-Einstein condensate of magnons in single-crystalline Pb ₂ V ₃ O ₉ . <i>Physical Review B</i> , 2010 , 81,	3.3	17
215	Interplay between structural, electronic, and magnetic degrees of freedom in Sr(3)Cr(2)O(8). <i>Physical Review Letters</i> , 2010 , 105, 036401	7.4	21
214	Muon spin rotation/relaxation measurements of the noncentrosymmetric superconductor Mg ₁₀ Ir ₁₉ B ₁₆ . <i>Physical Review B</i> , 2010 , 82,	3.3	23
213	Magnetic phase transition in V ₂ O ₃ nanocrystals. <i>Physical Review B</i> , 2010 , 82,	3.3	18
212	A ⁷⁵ s NMR study of single crystals of the heavily overdoped pnictide superconductors Ba _{1-x} K _x Fe ₂ As ₂ (x=0.7 and 1). <i>Physical Review B</i> , 2010 , 81,	3.3	45
211	Muon spin rotation measurements of heterogeneous field response in overdoped La _{2-x} Sr _x CuO ₄ . <i>Physical Review B</i> , 2010 , 81,	3.3	10
210	Study of the ground state properties of LiHo(x)Y(1-x)F ₄ using muon spin relaxation. <i>Physical Review Letters</i> , 2010 , 105, 107203	7.4	11
209	Superfluid density and field-induced magnetism in Ba(Fe _{1-x} Cox) ₂ As ₂ and Sr(Fe _{1-x} Cox) ₂ As ₂ measured with muon spin relaxation. <i>Physical Review B</i> , 2010 , 82,	3.3	35
208	The electromagnetic properties of iron-based superconductors. <i>Superconductor Science and Technology</i> , 2010 , 23, 050201-050201	3.1	3
207	Two-Dimensional S = 1 Quantum Antiferromagnet (NiCl)Sr ₂ Ta ₃ O ₁₀ . <i>Chemistry of Materials</i> , 2010 , 22, 4625-4631	9.6	14
206	Superconducting state coexisting with a phase-separated static magnetic order in (Ba,K)Fe ₂ As ₂ , (Sr,Na)Fe ₂ As ₂ , and CaFe ₂ As ₂ . <i>Physical Review B</i> , 2009 , 80,	3.3	115
205	Muon spin rotation measurement of the magnetic field penetration depth in Ba(Fe _{0.926} Co _{0.074}) ₂ As ₂ : Evidence for multiple superconducting gaps. <i>Physical Review B</i> , 2009 , 80,	3.3	62

204	Muon spin relaxation studies of the frustrated quasi-two-dimensional square-lattice spin system Cu(Cl,Br)La(Nb,Ta)2O7: Evolution from spin-gap to antiferromagnetic state. <i>Physical Review B</i> , 2009 , 80,	3.3	24
203	Field-induced Bose-Einstein condensation of triplons up to 8 K in Sr3Cr2O8. <i>Physical Review Letters</i> , 2009 , 103, 207203	7.4	59
202	Bose-Einstein condensation of triplons in Ba3Cr2O8. <i>Physical Review B</i> , 2009 , 79,	3.3	43
201	Static magnetic order and superfluid density of RFeAs(O,F) (R=La,Nd,Ce) and LaFePO studied by muon spin relaxation: unusual similarities with the behavior of cuprate superconductors. <i>Physical Review Letters</i> , 2009 , 102, 087001	7.4	57
200	Itinerant spin excitations near the hidden order transition in URu(2)Si(2). <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 192202	1.8	21
199	Structural, magnetic and superconducting phase transitions in CaFe2As2 under ambient and applied pressure. <i>Physica C: Superconductivity and Its Applications</i> , 2009 , 469, 404-412	1.3	106
198	Weak quasistatic magnetism in the frustrated Kondo lattice Pr2Ir2O7. <i>Physica B: Condensed Matter</i> , 2009 , 404, 667-670	2.8	21
197	Magnetism and superconductivity in heavy fermion superconductor CeCo(In0.97Cd0.03)5. <i>Physica B: Condensed Matter</i> , 2009 , 404, 754-756	2.8	
196	Absence of superconductivity in single-phase CaFe2As2 under hydrostatic pressure. <i>Physical Review B</i> , 2009 , 79,	3.3	146
195	Comment on the origin(s) of the giant permittivity effect in CaCu3Ti4O12 single crystals and ceramics. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5916		91
194	Absence of broken time-reversal symmetry in the pseudogap state of the high temperature La(2-x)SrxCuO4 superconductor from muon-spin-relaxation measurements. <i>Physical Review Letters</i> , 2008 , 101, 017001	7.4	58
193	Synthesis, structure, and magnetic properties of the two-dimensional quantum antiferromagnets (CuBr)A2B3O10 (A=Ca, Sr, Ba, Pb; B=Nb, Ta) with the 1/3 magnetization plateau. <i>Physical Review B</i> , 2008 , 78,	3.3	23
192	Muon-spin-relaxation studies of magnetic order and superfluid density in antiferromagnetic NdFeAsO, BaFe2As2, and superconducting Ba1-xKxFe2As2. <i>Physical Review B</i> , 2008 , 78,	3.3	84
191	Crystal growth and characterization of the new spin dimer system. <i>Journal of Crystal Growth</i> , 2008 , 310, 870-873	1.6	19
190	Crystal growth and magnetic behaviour of pure and doped SrCu2(11BO3)2. <i>Journal of Crystal Growth</i> , 2007 , 306, 123-128	1.6	19
189	Barium chromium oxide, Ba3Cr2O8, as grown by the traveling solvent floating-zone technique. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007 , 63, i196-i196		5
188	Phase separation and suppression of critical dynamics at quantum phase transitions of MnSi and (Sr1-xCax)RuO3. <i>Nature Physics</i> , 2007 , 3, 29-35	16.2	131
187	Gapped itinerant spin excitations account for missing entropy in the hidden-order state of URu2Si2. <i>Nature Physics</i> , 2007 , 3, 96-99	16.2	148

186	Impurity-induced singlet breaking in SrCu ₂ (BO ₃) ₂ . <i>Physical Review B</i> , 2007 , 76,	3.3	8
185	Muon spin relaxation study of superconducting Bi ₂ Sr _{2-x} La _x CuO _{6+y} . <i>Physical Review B</i> , 2007 , 75,	3.3	30
184	Frustrated magnetism and the effects of titanium substitution in the mixed-valence oxide BaV _{10-x} Ti _x O ₁₅ . <i>Physical Review B</i> , 2006 , 74,	3.3	14
183	Anderson-Mott transition induced by hole doping in Nd _{1-x} Ti _x O ₃ . <i>Physical Review B</i> , 2006 , 74,	3.3	22
182	Muon spin rotation study of. <i>Physica B: Condensed Matter</i> , 2006 , 374-375, 263-266	2.8	9
181	study of the Mott-glass. <i>Physica B: Condensed Matter</i> , 2006 , 374-375, 13-16	2.8	8
180	Crystal growth and superconductivity of (La _{1-x} Ca _x) ₂ CaCu ₂ O _{6+y} . <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 431-434	3.9	9
179	Muon spin rotation study of field-induced magnetism in heavily overdoped. <i>Physica B: Condensed Matter</i> , 2006 , 374-375, 211-214	2.8	4
178	2D Kagomé ordering in the 3D frustrated spinel Li ₂ Mn ₂ O ₄ . <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 6469-6482	1.8	17
177	Muon spin relaxation studies of magnetic-field-induced effects in high-T _c superconductors. <i>Physical Review Letters</i> , 2005 , 95, 157001	7.4	45
176	Expansion of vortex cores by strong electronic correlation in La _{2-x} Sr _x CuO ₄ at low magnetic induction. <i>Physical Review B</i> , 2004 , 69,	3.3	22
175	Search for hidden orbital currents and observation of an activated ring of magnetic scattering in the heavy fermion superconductor URu ₂ Si ₂ . <i>Physical Review B</i> , 2004 , 69,	3.3	23
174	Site-dilution in the quasi-one-dimensional antiferromagnet Sr ₂ (Cu _{1-x} Pd _x)O ₃ : Reduction of Néel temperature and spatial distribution of ordered moment sizes. <i>Physical Review B</i> , 2004 , 70,	3.3	51
173	Two-dimensional nature of superconductivity in the intercalated layered systems Li _x HfNCl and Li _x ZrNCl: Muon spin relaxation and magnetization measurements. <i>Physical Review B</i> , 2004 , 69,	3.3	44
172	Field-induced antiferromagnetic order in Pr _{2-x} Ce _x CuO ₄ . <i>Physica C: Superconductivity and Its Applications</i> , 2004 , 408-410, 783-784	1.3	3
171	Magnetic ordering in the spin-ice candidate Ho ₂ Ru ₂ O ₇ . <i>Physical Review Letters</i> , 2004 , 93, 076403	7.4	34
170	Electric and magnetic properties of the stage-2 FeBr ₂ graphite intercalation compound. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 203-215	1.8	1
169	Unconventional superconductivity in (TMTSF) ₂ ClO ₄ . <i>Physica B: Condensed Matter</i> , 2003 , 326, 378-380	2.8	11

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20	Temperature dependence of the magnetic penetration depth in YBa ₂ Cu ₃ O ₇ measured by muon spin rotation. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 757-758	1.3	22
19	Antiferromagnetism and superconductivity in YBa ₂ Cu ₃ O _x studied by μSR. <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 759-760	1.3	6
18	Comparison between muon spin rotation and neutron scattering studies on the 3-dimensional magnetic ordering of La ₂ CuO _{4-y} . <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 769-770	1.3	30
17	Absence of magnetic order in (Ba, K)BiO ₃ . <i>Nature</i> , 1988 , 335, 151-152	50.4	67
16	Intramolecular motion in the tert-butyl radical as studied by muon spin rotation and level-crossing spectroscopy. <i>Chemical Physics</i> , 1988 , 127, 137-147	2.3	38
15	Antiferromagnetism and superconductivity in oxygen-deficient YBa ₂ Cu. <i>Physical Review Letters</i> , 1988 , 60, 1073-1076	7.4	216
14	²⁹ Si hyperfine structure of anomalous muonium in silicon: Proof of the bond-centered model. <i>Physical Review Letters</i> , 1988 , 60, 224-226	7.4	151
13	Systematic variation of magnetic-field penetration depth in high-T _c superconductors studied by muon-spin relaxation. <i>Physical Review B</i> , 1988 , 38, 909-912	3.3	178
12	μSR STUDIES OF HIGH TC SUPERCONDUCTIVITY. <i>Journal De Physique Colloque</i> , 1988 , 49, C8-2087-C8-2092		16
11	Intramolecular Motion in Organic free Radicals Studied by Muon Spin Rotation and Level-Crossing Spectroscopy 1988 , 155-156		
10	Determination of the electronic structure of anomalous muonium in GaAs from nuclear hyperfine interactions. <i>Physical Review Letters</i> , 1987 , 58, 1780-1783	7.4	69
9	Magnetic penetration depth and flux-pinning effects in high-T _c superconductor La _{1.85} Sr _{0.15} CuO. <i>Physical Review B</i> , 1987 , 35, 7129-7132	3.3	136
8	Muon level-crossing resonance in antiferromagnetic MnF ₂ . <i>Physical Review B</i> , 1987 , 35, 2079-2082	3.3	9
7	Temperature dependence of the magnetic penetration depth in the high-T _c superconductor Ba ₂ YC _u 3O _{9-δ} : Evidence for conventional s-wave pairing. <i>Physical Review B</i> , 1987 , 36, 2386-2389	3.3	249

6	Muon level-crossing spectroscopy of organic free radicals. <i>Chemical Physics Letters</i> , 1987 , 133, 465-470	2.5	54
5	Reply to Ān the interpretation of level-crossing resonance results for the muonated ethyl radical□ <i>Chemical Physics Letters</i> , 1987 , 138, 613-614	2.5	6
4	Thermal hopping of f± between ĀĀĀ centres in NaF. <i>Hyperfine Interactions</i> , 1986 , 32, 677-682	0.8	16
3	Observation of muon level-crossing resonance in antiferromagnetic MnF2. <i>Hyperfine Interactions</i> , 1986 , 31, 29-34	0.8	7
2	Determination of very slow Ā hop rates in Cu by LLF-ĀRhop rates in Cu by LLF-ĀR. <i>Hyperfine Interactions</i> , 1986 , 31, 191-197	0.8	13
1	Resolved nuclear hyperfine structure of a muonated free radical using level-crossing spectroscopy. <i>Physical Review A</i> , 1986 , 34, 681-684	2.6	67