Roberto Caciuffo

List of Publications by Year
in descending order

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293	7,278	66315	82499
papers	citations	42 h-index	72 g-index

308	308	308	5070
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multipolar interactions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>f</mml:mi></mml:math>-electron systems: The paradigm of actinide dioxides. Reviews of Modern Physics, 2009, 81, 807-863.	16.4	386
2	Structural details and magnetic order ofLa1â^'xSrxCoO3(x<~0.3). Physical Review B, 1999, 59, 1068-1078.	1.1	321
3	Neutron Spectroscopy for the Magnetic Anisotropy of Molecular Clusters. Physical Review Letters, 1998, 81, 4744-4747.	2.9	222
4	Uranium and manganese assembled in a wheel-shaped nanoscale single-molecule magnet with high spin-reversal barrier. Nature Chemistry, 2012, 4, 1011-1017.	6.6	176
5	Triple-qâ†'Octupolar Ordering inNpO2. Physical Review Letters, 2002, 89, 187202.	2.9	168
6	Magnetic Memory Effect in a Transuranic Mononuclear Complex. Angewandte Chemie - International Edition, 2011, 50, 1696-1698.	7.2	153
7	Disordered Magnetism at the Grain Boundary of Pure Nanocrystalline Iron. Physical Review Letters, 1999, 83, 2829-2832.	2.9	135
8	5f-electron states in uranium dioxide investigated using high-resolution neutron spectroscopy. Physical Review B, 1989, 40, 1856-1870.	1.1	128
9	Microscopic spin Hamiltonian of aCr8antiferromagnetic ring from inelastic neutron scattering. Physical Review B, 2003, 67, .	1.1	124
10	Monochromators for x-ray synchrotron radiation. Physics Reports, 1987, 152, 1-71.	10.3	118
11	Singleâ€Electron Uranyl Reduction by a Rareâ€Earth Cation. Angewandte Chemie - International Edition, 2011, 50, 887-890.	7.2	115
12	Oxo-Functionalization and Reduction of the Uranyl Ion through Lanthanide-Element Bond Homolysis: Synthetic, Structural, and Bonding Analysis of a Series of Singly Reduced Uranylâ€"Rare Earth 5f¹-4fⁿ Complexes. Journal of the American Chemical Society, 2013, 135, 3841-3854.	6.6	107
13	Magnetic excitations and dynamical Jahn-Teller distortions inUO2. Physical Review B, 1999, 59, 13892-13900.	1.1	102
14	Direct observation of electric-quadrupolar order inUO2. Physical Review B, 2006, 73, .	1.1	102
15	Structural Transformation Induced by Magnetic Field and â€œColossal-Likeâ€•Magnetoresistance Response above 313 K in MnAs. Physical Review Letters, 2003, 90, 097203.	2.9	97
16	Quantum Oscillations of the Total Spin in a Heterometallic Antiferromagnetic Ring: Evidence from Neutron Spectroscopy. Physical Review Letters, 2007, 98, 167401.	2.9	97
17	A Uraniumâ€Based UO₂⁺â€"Mn²⁺ Singleâ€Chain Magnet Assembled trough Cationâ€"Cation Interactions. Angewandte Chemie - International Edition, 2014, 53, 819-823.	7.2	90
18	Spin dynamics of heterometallicCr7Mwheels (M=Mn, Zn, Ni) probed by inelastic neutron scattering. Physical Review B, 2005, 71, .	1.1	89

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19	Organometallic neptunium(III) complexes. Nature Chemistry, 2016, 8, 797-802.	6.6	88
20	[An(H₂O)₉](CF₃SO₃)₃ (An=Uâ€“Cm, Cf): Exploring Their Stability, Structural Chemistry, and Magnetic Behavior by Experiment and Theory. Angewandte Chemie - International Edition, 2010, 49, 6343-6347.	7.2	87
21	Coupling between Spin and Orbital Degrees of Freedom inKCuF3. Physical Review Letters, 2002, 88, 106403.	2.9	83
22	Superexchange Coupling and Slow Magnetic Relaxation in a Transuranium Polymetallic Complex. Physical Review Letters, 2010, 104, 197202.	2.9	80
23	High energy resolution x-ray absorption spectroscopy study of uranium in varying valence states. Physical Review B, 2010, 82, .	1.1	76
24	Coordinated proton tunnelling in a cyclic network of four hydrogen bonds in the solid state. Nature, 1999, 397, 241-243.	13.7	71
25	Resonant x-ray scattering study of magnetic and orbital order inKCuF3. Physical Review B, 2002, 65, .	1.1	71
26	Unusual magnetism ofNpO2:A study with resonant x-ray scattering. Physical Review B, 1999, 60, 15187-15193.	1.1	68
27	Direct Determination of the Magnetic Ground State in the Square LatticeS=1/2AntiferromagnetLi2VOSiO4. Physical Review Letters, 2004, 93, 027202.	2.9	62
28	Hidden Order and Low-Energy Excitations inNpO2. Physical Review Letters, 2006, 97, 207203.	2.9	57
29	A search for anharmonic effects in NpO2 at low temperature by neutron diffraction. Solid State Communications, 1987, 64, 149-152.	0.9	53
30	Boundary spin disorder in nanocrystalline FeRh alloys. Physical Review B, 1998, 58, 5181-5184.	1.1	52
31	Localized 5f electrons in superconducting PuCoIn₅: consequences for superconductivity in PuCoGa₅. Journal of Physics Condensed Matter, 2012, 24, 052206.	0.7	51
32	Mixing of magnetic states in aCr8molecular ring. Physical Review B, 2003, 68, .	1.1	50
33	Strong-coupling d-wave superconductivity in PuCoGa5 probed by point-contact spectroscopy. Nature Communications, 2012, 3, 786.	5.8	49
34	Direct observation of pure pentavalent uranium in U2O5 thin films by high resolution photoemission spectroscopy. Scientific Reports, 2018, 8, 8306.	1.6	49
35	Multipolar ordering in NpO2below 25 K. Journal of Physics Condensed Matter, 2003, 15, S2287-S2296.	0.7	48
36	Perturbative approach toJmixing inf-electron systems: Application to actinide dioxides. Physical Review B, 2005, 71, .	1.1	48

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37	Neutron-scattering investigation of the electronic ground state of neptunium dioxide. Journal of Physics Condensed Matter, 1992, 4, 3459-3478.	0.7	47
38	Effects of copper doping in MgB2 superconductor. Solid State Communications, 2002, 121, 497-500.	0.9	47
39	Uranium<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>5</mml:mn><mml:mi>d</mml:mi><mml:mtext>â^'</mml:mtext><mml:mn>5</mml:mn><mml:mi>f</mml:mi></mml:mrow></mml:math> transitions probed by nonresonant inelastic x-ray scattering. Physical Review B, 2010, 81, .	1.1	46
40	Synthesis of Bimetallic Uranium and Neptunium Complexes of a Binucleating Macrocycle and Determination of the Solid-State Structure by Magnetic Analysis. Inorganic Chemistry, 2010, 49, 5341-5343.	1.9	44
41	Multipolar, magnetic, and vibrational lattice dynamics in the low-temperature phase of uranium dioxide. Physical Review B, 2011, 84, .	1.1	44
42	Late stages of Î´â€™ precipitation in an Al-Li alloy by small-angle neutron scattering. Physical Review B, 1990, 42, 2275-2281.	1.1	43
43	On the preferential site occupation of T â‰¡ Cr or Mn in rare earth compounds of the type RT4Al8. Journal of the Less Common Metals, 1990, 166, 329-334.	0.9	43
44	High-energy-neutron spectroscopy of crystal-field excitations inNpO2. Physical Review B, 1991, 43, 1142-1145.	1.1	42
45	Quantum Magneto-Oscillations in a Supramolecular Mn(II)-[3Ã—3] Grid. Physical Review Letters, 2004, 92, 096403.	2.9	42
46	Spin dynamics and tunneling of the NÃ©el vector in theFe10magnetic wheel. Physical Review B, 2005, 71, .	1.1	41
47	The development of the PRISMA spectrometer at ISIS. Nuclear Instruments & Methods in Physics Research B, 1991, 53, 87-96.	0.6	40
48	Subtle Interactions and Electron Transfer between U^{III}, Np^{III}, or Pu^{III} and Uranyl Mediated by the Oxo Group. Angewandte Chemie - International Edition, 2016, 55, 12797-12801.	7.2	40
49	Transition from itinerant to polaronic conduction in La 1 â^' x Sr x CoO 3 perovskites. Europhysics Letters, 1999, 45, 399-405.	0.7	39
50	Evidence for Coherent Proton Tunneling in a Hydrogen Bond Network. Science, 2001, 291, 100-103.	6.0	39
51	Electronic State of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>PuCoGa</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>NpCoGa</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:math>as Probed by Polarized Neutrons. Physical Review Letters, 2008, 100, 076403.	2.9	39
52	Static and dynamic magnetic properties of an[Fe13]cluster. Physical Review B, 2006, 73, .	1.1	38
53	Alternating current magnetic susceptibility measurements in La1â^'xSrxCoO3 (xâ©½0.30) below 300 K. Journal of Applied Physics, 1997, 81, 5753-5755.	1.1	37
54	Possible mechanism of superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Pu</mml:mi><mml:mi mathvariant="normal">Co</mml:mi><mml:msub><mml:mi mathvariant="normal">Ga</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math>probed by self-irradiation damage. Physical Review B, 2008, 77, .	1.1	37

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55	Inelastic neutron scattering study of the multipolar order parameter in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>NpO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2008, 78, .	1.1	37
56	A Novel Metastable Pentavalent Plutonium Solid Phase on the Pathway from Aqueous Plutonium(VI) to PuO₂ Nanoparticles. Angewandte Chemie - International Edition, 2019, 58, 17558-17562.	7.2	37
57	Phase separation as origin of the magnetic anomalies in La0.85Sr0.15CoO3. Journal of Applied Physics, 2001, 89, 5606-5609.	1.1	36
58	Resonant x-ray scattering study of magnetic-dipole and electric-quadrupole order inU0.75Np0.25O2. Physical Review B, 2004, 70, .	1.1	36
59	Inelastic neutron scattering below 85 Î¼eV and zero-field splitting parameters in theFe8magnetic cluster. Physical Review B, 2000, 62, 3022-3024.	1.1	35
60	Neutron spectroscopy within theS=5ground multiplet and low-temperature heat capacity in anFe4magnetic cluster. Physical Review B, 2001, 64, .	1.1	35
61	Study of the sintering behaviour of MgB2 superconductor during hot-pressing. Physica C: Superconductivity and Its Applications, 2004, 400, 97-104.	0.6	35
62	Polarized-neutron-diffraction study of the magnetization density in hexagonalY2Fe17. Physical Review B, 1994, 50, 9293-9299.	1.1	34
63	Quadrupolar Waves in Uranium Dioxide. Physical Review Letters, 2010, 105, 167201.	2.9	34
64	Negative thermal expansion and antiferromagnetism in the actinide oxypnictide NpFeAsO. Physical Review B, 2012, 85, .	1.1	34
65	Resonant x-ray spectroscopy of uranium intermetallics at the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>M</mml:mi><mml:mrow><mml:mn>4,5</mml:mn></mml:mrow></mml:msub></mml:math> edges of uranium. Physical Review B, 2017, 95, .	1.1	34
66	Inelastic neutron scattering study of the molecular grid nanomagnet Mn-[3Ã—3]. Physical Review B, 2004, 69, .	1.1	33
67	Spherical neutron spin polarimetry of anisotropic magnetic fluctuations inUO2. Physical Review B, 2005, 72, .	1.1	33
68	Axially Symmetric Uâˆ’Oâˆ’Lnâ€•and Uâˆ’Oâˆ’Uâ€Containing Molecules from the Control of Uranyl Reduction with Simple fâ€Block Halides. Angewandte Chemie - International Edition, 2017, 56, 10775-10779.	7.2	32
69	Nonmagnetic ground state of PuO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 89, .	1.1	31
70	Neutron diffraction study of Î²-UD3 and Î²-UH3. Solid State Communications, 1985, 53, 423-426.	0.9	30
71	Observation of intermultiplet transitions inSmFe11Ti by inelastic magnetic neutron scattering. Physical Review B, 1990, 42, 1940-1943.	1.1	30
72	Resonant x-ray scattering study of the URu2Si2hidden-order phase. Physical Review B, 2011, 83, .	1.1	30

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73	Direct observation of finite size effects in chains of antiferromagnetically coupled spins. Nature Communications, 2015, 6, 7061.	5.8	30
74	Magnetic excitations in the itinerant ferromagnetUFe2. Physical Review B, 1996, 54, 7222-7232.	1.1	28
75	A plutonium-based single-molecule magnet. Chemical Communications, 2014, 50, 8171.	2.2	28
76	Intra- and inter-multiplet magnetic excitations in a tetrairon(III) molecular cluster. Physical Review B, 2004, 70, .	1.1	27
77	High pressure studies on uranium and thorium silicide compounds: Experiment and theory. Journal of Alloys and Compounds, 2013, 546, 63-71.	2.8	27
78	Unified character of correlation effects in unconventional Pu-based superconductors and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î´</mml:mi></mml:math>-Pu. Physical Review B, 2013, 87, .	1.1	27
79	Antiferromagnetism in UO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>thin epitaxial films. Physical Review B, 2013, 88, .	1.1	27
80	High-resolution neutron spectroscopy of crystal-field excitations in uranium dioxide. Journal of Physics C: Solid State Physics, 1988, 21, L931-L937.	1.5	26
81	Kondo behavior in superconducting<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow><mml:mtext>NpPd</mml:mtext></mml:mrow><mml:mn>5</mml:mn></mml:msub></mml:math>Al<mml:math Physical Review B, 2009, 79, .	1.1	26
82	Effects of Mg doping on the superconducting properties of YBa2Cu3O7- deltaand La1.85Sr0.15CuO4systems. Superconductor Science and Technology, 1995, 8, 409-414.	1.8	25
83	Effects of hydrostatic pressure on the monoolein-water system: An estimate of the energy function of the invertedIa3dcubic phase. Physical Review E, 1996, 54, 5840-5843.	0.8	25
84	Field-Dependent Energy Scales inURu2Si2. Physical Review Letters, 2000, 85, 654-657.	2.9	25
85	Vibrational spectrum ofC60sin the p-tert-butylcalix[8]arene(1:1)C60scomplex. Physical Review B, 1997, 55, 5566-5569.	1.1	24
86	Pressure-induced structural transition in Ln2Zr2O7 (LnÂ=ÂCe, Nd, Gd) pyrochlores. Physics and Chemistry of Minerals, 2010, 37, 761-767.	0.3	24
87	Resonant x-ray emission spectroscopy at the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>L</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>edge of americium up to 23 GPa. Physical Review B, 2010, 82, .	1.1	24
88	Relationship between weak ferromagnetism and magnetic irreversibilities inGd2CuO4. Physical Review B, 1995, 52, 16020-16027.	1.1	23
89	Crystal size effect on the compressibility of nano-crystalline uranium dioxide. Journal of Nuclear Materials, 2013, 435, 123-127.	1.3	23
90	Investigation of Mg2Si precipitation in an Al-Mg-Si alloy by small angle neutron scattering. Journal of Nuclear Materials, 1985, 135, 181-189.	1.3	22

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91	Neutron transitions within theS=10ground multiplet of aFe8magnetic cluster. Physical Review B, 2002, 65, .	1.1	22
92	Octupolar order in : A specific heat investigation. Physica B: Condensed Matter, 2005, 359-361, 1087-1089.	1.3	22
93	Inelastic neutron scattering investigations of molecular nanomagnets. Inorganica Chimica Acta, 2008, 361, 3771-3776.	1.2	22
94	X-ray magnetic circular dichroism experiments and theory of transuranium Laves phase compounds. Physical Review B, 2013, 88, .	1.1	22
95	Investigation of ammonium diuranate calcination with high-temperature X-ray diffraction. Journal of Materials Science, 2014, 49, 8436-8443.	1.7	22
96	Crystal-field potentials of PrFe2Si2and PrFe2Ge2as deduced from inelastic neutron scattering and specific heat measurements. Journal of Physics Condensed Matter, 1995, 7, 8317-8330.	0.7	21
97	Future Directions for Transuranic Single Molecule Magnets. Inorganics, 2018, 6, 26.	1.2	21
98	Neutron spectroscopy studies of the crystal-field interaction in RET4Al8compounds (RE=Tb, Ho or Er;) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.7	19
99	Macroscopic evidence of quantum coherent oscillations of the total spin in the Mn-[$mathsf{3imes3}$] molecular nanomagnet. European Physical Journal B, 2003, 36, 169-173.	0.6	19
100	Crystal structure and thermal expansion of the low- and high-temperature forms of BaMIV(PO4)2 compounds (M=Ti, Zr, Hf and Sn). Journal of Solid State Chemistry, 2009, 182, 1115-1120.	1.4	19
101	Synthesis and properties of AxV2Al20 (AÂ= Th, U, Np, Pu) ternary actinide aluminides. Journal of Alloys and Compounds, 2017, 696, 1113-1119.	2.8	19
102	A terminal neptunium(V)â€“mono(oxo) complex. Nature Chemistry, 2022, 14, 342-349.	6.6	19
103	Inelastic neutron scattering of large molecular systems: The case of the original benzylic amide [2]catenane. Journal of Chemical Physics, 1998, 109, 11094-11100.	1.2	18
104	Phase separation, thermal history and magnetic behaviour of Sr doped LaCoO3. Journal of Physics Condensed Matter, 2000, 12, 9761-9770.	0.7	18
105	Anisotropic magnetic fluctuations in 3- antiferromagnets. Journal of Magnetism and Magnetic Materials, 2007, 310, 1698-1702.	1.0	18
106	Resonant x-ray scattering study of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Np</mml:mi><mml:mi mathvariant="normal">Rh</mml:mi><mml:msub><mml:mi mathvariant="normal">Ga</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Np</mml:mi><mml:mi mathvariant="normal">Co</mml:mi><mml:msub><mml:mi	1.1	18
107	Low-energy spectrum of a Tm-based double-decker complex. Physical Review B, 2009, 79, .	1.1	18
108	Temperature Dependence of the Weak Host-guest Interactions in thepâ€tertbutylcalix[4]Arene 1:1 Toluene Complex. Supramolecular Chemistry, 1998, 10, 125-132.	1.5	17

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109	239PuN powder neutron diffraction study. Solid State Communications, 1984, 52, 451-453.	0.9	16
110	Thermal recovery and lattice expansion of self-irradiated U0.80Am0.20O2â”x, an in situ high temperature x-ray diffraction study. Journal of Solid State Chemistry, 2013, 199, 334-337.	1.4	16
111	Crystal dynamics and thermal properties of neptunium dioxide. Physical Review B, 2016, 93, .	1.1	16
112	Intercalated pyrolytic graphite for neutron monochromatisation. Synthetic Metals, 1983, 8, 307-312.	2.1	15
113	Neutron powder diffraction study of 239PuDx. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1985, 130, 530-532.	0.9	15
114	A neutron spectroscopy study of magnetic excitations in uranium oxysulphide. Journal of Physics Condensed Matter, 1989, 1, 5711-5720.	0.7	15
115	An almost free methyl quantum rotor in p-tert-butylcalix [4] arene(1:1)toluene. Physica B: Condensed Matter, 1992, 180-181, 691-693.	1.3	15
116	Bulk properties and electronic structure of PuFeAsO. Physical Review B, 2012, 86, .	1.1	15
117	X-ray Diffraction, MÃ¶ssbauer Spectroscopy, Magnetic Susceptibility, and Specific Heat Investigations of Na₄NpO₅ and Na₅NpO₆. Inorganic Chemistry, 2015, 54, 4556-4564.	1.9	15
118	Subtle Interactions and Electron Transfer between U^{III}, Np^{III}, or Pu^{III} and Uranyl Mediated by the Oxo Group. Angewandte Chemie, 2016, 128, 12989-12993.	1.6	15
119	Neutron diffraction study on U0.5Np0.5O2 at low temperatures. Journal De Physique (Paris), Lettres, 1984, 45, 373-378.	2.8	15
120	Electronic structure of elemental curium studied by photoemission. Physical Review B, 2011, 83, .	1.1	14
121	Some structural and magnetic properties of 239PuD2.25 by neutron diffraction. Solid State Communications, 1984, 52, 619-621.	0.9	13
122	Effects of M23C6 precipitation on the lattice parameter of AISI 304 stainless steel. Materials Letters, 1985, 3, 115-118.	1.3	13
123	Neutron Diffraction Study of the U _{1- x} Np _x O ₂ Fluorites. Europhysics Letters, 1987, 3, 221-227.	0.7	13
124	Theoretical reflectivities of bent crystal analyzers for fusion plasma diagnostics. Review of Scientific Instruments, 1990, 61, 3467-3472.	0.6	13
125	Crystal-field excitations and gap opening in Tm: YBa2Cu4O8 by inelastic neutron scattering. Physica C: Superconductivity and Its Applications, 1994, 221, 227-236.	0.6	13
126	Nuclear Motions of an Inclusion Complex of Calix[4]arene. Journal of Physical Chemistry A, 1998, 102, 6910-6915.	1.1	13

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127	Iron spin waves inYFe2andUFe2. Physical Review B, 1999, 59, 6867-6872.	1.1	13
128	Inelastic-neutron-scattering study of excited spin multiplets and low-energy phonons in theFe8nanomagnet: Implications for relaxation. Physical Review B, 2006, 73, .	1.1	13
129	Extensive studies of antiferromagneticPuPd2Sn. Physical Review B, 2008, 77, .	1.1	13
130	Magnetic Polarization of the Americium<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>J</mml:mi><mml:mo>=</mml:mo><mml:mn>0</mml:mn></mml:math>Ground State in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>AmFe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ Physical Review Letters, 2015, 114, 097203.	2.9	13
131	Crystal-field states of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>UO</mml:mi><mml:mn>2</mml:mn></mml:msub></ by directional dependence of nonresonant inelastic x-ray scattering. Physical Review B, 2018, 98, .	1.1	13
132	Neutron Interferometric Determination of the Coherent Scattering Length of Natural Uranium. Physical Review Letters, 1982, 49, 1086-1089.	2.9	12
133	Observation of paramagnetic relaxation in the NpCu 4 Al 8 intermetallic compound. Journal of Magnetism and Magnetic Materials, 1985, 50, L123-L127.	1.0	12
134	Phase transitions in polymesomorphic compounds. Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1986, 7, 421-436.	0.4	12
135	Inelastic neutron scattering study of crystal electric fields in TbMn4Al8 and HoMn4Al8 intermetallic compounds. Solid State Communications, 1990, 76, 331-334.	0.9	12
136	Thermal treatment dependence of the dynamic magnetic behavior of Gd2CuO4. Journal of Applied Physics, 1996, 80, 1674-1677.	1.1	12
137	Magnetotransport properties of spin-glass-like layered compounds La1â^'xSr1+xCoO4. Solid State Sciences, 2006, 8, 901-907.	1.5	12
138	Magnetic excitations inNpCoGa5: Inelastic neutron scattering experiments. Physical Review B, 2007, 76, .	1.1	12
139	Photoelectron spectroscopy study of PuCoGa5 thin films. Journal of Nuclear Materials, 2009, 385, 8-10.	1.3	12
140	Structure and nuclear density distribution in the cheraliteâ€"CaTh(PO4)2: studies of its behaviour under high pressure (36ÂGPa). Physics and Chemistry of Minerals, 2012, 39, 685-692.	0.3	12
141	Magnetic properties and chiral states of a trimetallic uranium complex. Journal of Physics Condensed Matter, 2013, 25, 486001.	0.7	12
142	The fifty years it has taken to understand the dynamics of UO₂ in its ordered state. Journal of Physics Condensed Matter, 2020, 32, 374001.	0.7	12
143	Evidence of a lattice distortion in NpO2 below 25 K from neutron magnetic inelastic scattering. Solid State Communications, 1991, 79, 197-200.	0.9	11
144	Incoherent thermally activated proton hopping process in calix[4]arene observed by anelastic spectroscopy. Physical Review B, 2002, 65, .	1.1	11

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145	Structural, electronic, and magnetic characteristics of Np<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>17</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 85, .	1.1	11
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