

# Wilson A Ortiz

## List of Publications by Year in descending order

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165  
docs citations

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times ranked

1596  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dilute-defect magnetism: Origin of magnetism in nanocrystalline $\text{CeO}_2$ . Physical Review B, 2009, 80, .	1.1	129
2	Phosphate Diester Hydrolysis and DNA Damage Promoted by Newcis-Aqua/Hydroxy Copper(II) Complexes Containing Tridentate Imidazole-rich Ligands. Inorganic Chemistry, 2003, 42, 8353-8365.	1.9	108
3	Ferromagnetism induced by oxygen and cerium vacancies above the percolation limit in $\text{CeO}_2$ . Journal of Physics Condensed Matter, 2010, 22, 216004.	0.7	59
4	Enhanced pinning in superconducting thin films with graded pinning landscapes. Applied Physics Letters, 2013, 102, .	1.5	53
5	Current crowding effects in superconducting corner-shaped Al microstrips. Applied Physics Letters, 2013, 102, .	1.5	50
6	Magnetic relaxation behavior in $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ and $\text{Nd}_{0.5}\text{Sr}_{0.5}\text{MnO}_3$ . Physical Review B, 2001, 63, .	1.1	45
7	Controllable morphology of flux avalanches in microstructured superconductors. Physical Review B, 2014, 89, .	1.1	41
8	A new $\text{Fe}^{\text{III}}(\mu\text{-OCH}_3)_2(\mu\text{-OAc})\text{Fe}^{\text{III}}$ complex containing phenolate and imidazole ligands as a structural model for the active site of non-heme diiron enzymes. Dalton Transactions RSC, 2001, , 2616-2623.	2.3	40
9	Temperature-dependent vortex motion in a square mesoscopic superconducting cylinder: Ginzburg-Landau calculations. Physical Review B, 2006, 74, .	1.1	35
10	Synthesis and characterization of $\text{Li}_2\text{ZnTi}_3\text{O}_8$ spinel using the modified polymeric precursor method. Materials Chemistry and Physics, 2003, 82, 68-72.	2.0	34
11	Suppression of flux avalanches in superconducting films by electromagnetic braking. Applied Physics Letters, 2010, 96, .	1.5	33
12	Magnetic flux penetration in Nb superconducting films with lithographically defined microindentations. Physical Review B, 2016, 93, .	1.1	33
13	A new structure in the $\text{REBaCuFeO}_5$ series: $\text{LaBaCuFeO}_5$ . Structure and magnetic properties in the $\text{La}_{1-x}\text{Pr}_x\text{BaCuFeO}_5$ system. Physica C: Superconductivity and Its Applications, 1999, 313, 105-114.	0.6	28
14	Granularity in superconductors: intrinsic properties and processing-dependent effects. Physica C: Superconductivity and Its Applications, 2001, 354, 189-196.	0.6	27
15	Visualizing the ac magnetic susceptibility of superconducting films via magneto-optical imaging. Physical Review B, 2011, 84, .	1.1	27
16	Superconductivity in sintered-polycrystalline $\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}$ . Physica B: Condensed Matter, 2000, 284-288, 1033-1034.	1.3	26
17	Synthesis of mesoporous silica-coated magnetic nanoparticles modified with 4-amino-3-hydrazino-5-mercapto-1,2,4-triazole and its application as Cu(II) adsorbent from aqueous samples. Applied Surface Science, 2016, 367, 533-541.	3.1	26
18	Imprinting superconducting vortex footsteps in a magnetic layer. Scientific Reports, 2016, 6, 27159.	1.6	25

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19	Quantitative magneto-optical investigation of superconductor/ferromagnet hybrid structures. Review of Scientific Instruments, 2018, 89, 023705.	0.6	25
20	Influence of processing conditions on the crystal structure and magnetic behavior of La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> ± $\delta$ samples. Journal of Physics and Chemistry of Solids, 2003, 64, 583-591.	1.9	24
21	Mapping flux avalanches in MgB <sub>2</sub> films: equivalence between magneto-optical imaging and magnetic measurements. Superconductor Science and Technology, 2007, 20, L48-L50.	1.8	24
22	First Observation of Flux Avalanches in a-MoSi Superconducting Thin Films. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	23
23	Crossing fields in thin films of isotropic superconductors. Physical Review B, 2016, 94, .	1.1	23
24	Extrinsic properties of colossal magnetoresistive samples. Solid State Communications, 2004, 130, 31-36.	0.9	21
25	Vortex-antivortex annihilation dynamics in a square mesoscopic superconducting cylinder. Physical Review B, 2009, 80, .	1.1	21
26	Boundaries of the instability region on the <i>H</i> <sub>T</sub> diagram of Nb thin films. Superconductor Science and Technology, 2008, 21, 045018.	1.8	20
27	Flux penetration in a superconducting film partially capped with a conducting layer. Physical Review B, 2017, 95, .	1.1	20
28	Controlling magnetic flux penetration in low-T <sub>C</sub> superconducting films and hybrids. Superconductor Science and Technology, 2021, 34, 013002.	1.8	20
29	Local moments in the paramagnetic phase of dilute CrV alloys. Journal of Physics Condensed Matter, 1994, 6, 1761-1767.	0.7	19
30	Crystallographic and magnetic structure of polycrystalline Zn <sub>7-<math>\delta</math></sub> Ni <sub>x</sub> Sb <sub>2</sub> O <sub>12</sub> spinels. Materials Chemistry and Physics, 2000, 65, 208-211.	2.0	19
31	Cascade dynamics of thermomagnetic avalanches in superconducting films with holes. Physical Review B, 2015, 92, .	1.1	19
32	Solution blow spinning control of morphology and production rate of complex superconducting YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> <sub>x</sub> nanowires. Journal of Materials Science: Materials in Electronics, 2019, 30, 9045-9050.	1.1	19
33	Weak ferromagnetism in poly(3-methylthiophene)(PMTh). Synthetic Metals, 2001, 121, 1836-1837.	2.1	18
34	Crystal structure and magnetic properties of a new tetranuclear iron (III) complex with asymmetric iron coordination as a model for polynuclear iron proteins. Inorganic Chemistry Communication, 2001, 4, 173-176.	1.8	18
35	Anisotropy of Magnetization and Nanocrystalline Texture in Electrodeposited CeO <sub>2</sub> Films. Electrochemical and Solid-State Letters, 2011, 14, P9.	2.2	18
36	Remanent magnetization of high-temperature Josephson junction arrays. Physica C: Superconductivity and Its Applications, 2000, 341-348, 2723-2724.	0.6	15

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37	Magnetic remanence of Josephson junction arrays. <i>Journal of Applied Physics</i> , 2000, 87, 5555-5557.	1.1	15
38	Limiting thermomagnetic avalanches in superconducting films by stop-holes. <i>Applied Physics Letters</i> , 2013, 103, 032604.	1.5	15
39	The search for superconductivity in $\text{PrBa}_2\text{Cu}_3\text{O}_{7-x}$ . <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 413-416.	0.6	14
40	Tunnel magnetoresistance and Coulomb blockade in a planar assembly of cobalt nanoclusters embedded in $\text{TiO}_2$ . <i>Journal of Applied Physics</i> , 2007, 101, 014318.	1.1	14
41	Classical analogy for the deflection of flux avalanches by a metallic layer. <i>New Journal of Physics</i> , 2014, 16, 103003.	1.2	14
42	Ac susceptibility investigation of the Néel transition and the local moment behavior in Cr-V alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 152, 86-90.	1.0	13
43	Field-induced networks of weak-links: an experimental demonstration that the paramagnetic Meissner effect is inherent to granularity. <i>Physica C: Superconductivity and Its Applications</i> , 2001, 361, 267-273.	0.6	13
44	Magnetic doping in $\text{Zn}_{1-x}\text{M}_x\text{Sb}_2\text{O}_{12}$ spinels (M=Ni and Co). <i>Physica B: Condensed Matter</i> , 2002, 320, 249-252.	1.3	13
45	Study of the intergranular and intragranular characteristics in a Melt-Textured-Growth sample of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 3205-3206.	0.6	12
46	Controllable injector for local flux entry into superconducting films. <i>Superconductor Science and Technology</i> , 2016, 29, 095003.	1.8	12
47	Dynamics and heat diffusion of Abrikosov's vortex-antivortex pairs during an annihilation process. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 405605.	0.7	12
48	Exponential critical state model applied to ac susceptibility data for the superconductor $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . <i>Journal of Applied Physics</i> , 1996, 80, 3390-3395.	1.1	11
49	Suppression of the Curie - Weiss paramagnetism seen above the Néel transition in dilute CrV alloys. <i>Journal of Physics Condensed Matter</i> , 1996, 8, L403-L407.	0.7	11
50	Multilevel granular structure and its coupling distribution in melt-textured $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ . <i>Physica C: Superconductivity and Its Applications</i> , 1999, 311, 98-106.	0.6	11
51	Synthesis and characterization of new copper-deficient spin-glass compounds $\text{La}_{1.85}\text{Sr}_{0.15}\text{Cu}_1\text{O}_{4+x}$ . <i>Materials Letters</i> , 1999, 38, 289-293.	1.3	10
52	Polaronic ferromagnetism in conducting polymers. <i>Journal of Magnetism and Magnetic Materials</i> , 2001, 226-230, 2023-2025.	1.0	10
53	Crossover between macroscopic and mesoscopic regimes of vortex interactions in type-II superconductors. <i>Physical Review B</i> , 2012, 85, .	1.1	10
54	Sonochemical Synthesis and Magnetism in Co-doped ZnO Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 2515-2519.	0.8	10

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55	Magnetic field profile of a mesoscopic SQUID-shaped superconducting film. Superconductor Science and Technology, 2013, 26, 075005.	1.8	10
56	Metamorphosis of discontinuity lines and rectification of magnetic flux avalanches in the presence of noncentrosymmetric pinning forces. Physical Review B, 2021, 103, .	1.1	10
57	Simultaneous determination of resistivity and susceptibility in an ac-susceptometer. IEEE Transactions on Magnetics, 1995, 31, 3403-3405.	1.2	9
58	Magnetic field dependence of the Curie-Weiss paramagnetism in CrV alloys. Journal of Applied Physics, 1997, 81, 4209-4211.	1.1	9
59	Magnetic irreversibility in Fe/Cu multilayers. Journal of Physics Condensed Matter, 1999, 11, 47-57.	0.7	9
60	Magnetic phases of imperfectly crystalline Co <sub>2</sub> SiO <sub>4</sub> . Journal of Non-Crystalline Solids, 2000, 273, 277-281.	1.5	9
61	Influence of oxygen disorder on the magnetic properties of LaBaCuFeO <sub>5+δ</sub> : an EXAFS and neutron diffraction study. Physica C: Superconductivity and Its Applications, 2001, 356, 149-159.	0.6	9
62	Magnetic Recording of Superconducting States. Metals, 2019, 9, 1022.	1.0	9
63	One-pot-like facile synthesis of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> superconducting ceramic: Using PVP to obtain a precursor solution in two steps. Materials Chemistry and Physics, 2020, 243, 122607.	2.0	9
64	Magnetic flux avalanches in Nb/NbN thin films. Low Temperature Physics, 2020, 46, 365-371.	0.2	9
65	Pressure dependence of the spin-flop transition of antiferromagnetic K <sub>2</sub> [FeCl <sub>5</sub> (H <sub>2</sub> O)]. Physics Letters, Section A: General, Atomic and Solid State Physics, 1980, 77, 183-184.	0.9	8
66	Antiferromagnetism in K <sub>2</sub> [FeCl <sub>5</sub> (H <sub>2</sub> O)] and its dependence upon hydrostatic pressure. Journal of Magnetism and Magnetic Materials, 1981, 24, 67-74.	1.0	8
67	Spin-flip transition and magnetic phase diagram of Cr-V alloys. Solid State Communications, 1995, 96, 383-386.	0.9	8
68	Frustration in the paramagnetic phase of spin-density-wave CrFeV alloys. Journal of Applied Physics, 1998, 83, 7384-7386.	1.1	8
69	Magnetic field dependence of the critical current of tridimensional YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-δ</sub> Josephson junction arrays. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 293-295.	1.0	8
70	Structure and magnetism of electrodeposited ZnSe-Co granular films. Physica B: Condensed Matter, 2002, 320, 199-202.	1.3	8
71	Magnetic Behavior at Low Temperatures of Ti Oxide Polycrystalline Samples. Journal of Sol-Gel Science and Technology, 2002, 24, 241-245.	1.1	8
72	A new magnetic phase in the SDW alloy Cr + 3.2% Co: effect of doping with V. Journal of Physics Condensed Matter, 1997, 9, L577-L581.	0.7	7

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73	Paramagnetic Meissner effect and magnetic remanence in granular MgB <sub>2</sub> . Brazilian Journal of Physics, 2002, 32, 777-779.	0.7	7
74	Flux avalanches triggered by AC magnetic fields in superconducting thin films. Physica C: Superconductivity and Its Applications, 2012, 479, 134-136.	0.6	7
75	Anisotropic thermomagnetic avalanche activity in field-cooled superconducting films. Physical Review B, 2017, 96, .	1.1	7
76	Crystallographic, microstructural and magnetic properties of polycrystalline PrBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> . Superconductor Science and Technology, 2001, 14, 522-527.	1.8	6
77	Magnetic behavior of Fe(001)/ZnSe(001)/Fe(001) sandwiches grown on ZnSe(001) epilayer on GaAs(001). Physica B: Condensed Matter, 2002, 322, 312-314.	1.3	6
78	Vortex-antivortex annihilation in mesoscopic superconductors with a central pinning center. Physica C: Superconductivity and Its Applications, 2014, 503, 94-97.	0.6	6
79	Trapping Flux Avalanches in Nb Films by Circular Stop-Holes of Different Size. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.1	6
80	The moment of Fe in a host: II. Effect of magnetic field in the spin-density-wave phase. Journal of Physics Condensed Matter, 1998, 10, 4911-4917.	0.7	5
81	Critical current of tridimensional La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> disordered Josephson junction arrays dependence with the magnetic field. Physica C: Superconductivity and Its Applications, 2001, 354, 284-288.	0.6	5
82	Ferramentas alternativas para monitoramento e mapeamento automatizado do conhecimento. Ciencia Da Informacao, 2002, 31, 66-76.	0.1	5
83	Effects of Small Fields on the Magnetic Response of Superconducting Thin Films of MgB <sub>2</sub> . Journal of Superconductivity and Novel Magnetism, 2002, 15, 479-482.	0.5	5
84	Study of magnetotransport properties in manganites with fixed structural parameters. Journal of Solid State Chemistry, 2004, 177, 1338-1345.	1.4	5
85	Spin-dependent resonant quantum tunneling between magnetic nanoparticles on a macroscopic length scale. Physical Review B, 2011, 83, .	1.1	5
86	Active control of thermomagnetic avalanches in superconducting Nb films with tunable anisotropy. Superconductor Science and Technology, 2018, 31, 115009.	1.8	5
87	Imaging Flux Avalanches in V <sub>3</sub> Si Superconducting Thin Films. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.1	5
88	Superconducting properties of Ta-19 at% Zr and Ta-29 at% Zr. Physica Status Solidi A, 1976, 35, K135-K136.	1.7	4
89	Magnetic properties of Ni(NO <sub>3</sub> ) <sub>2</sub> ·2H <sub>2</sub> O as a function of hydrostatic pressure. Physical Review B, 1991, 43, 5784-5787.	1.1	4
90	Magnetic susceptibility of Fe/Cu multilayers: Ferromagnetic, antiferromagnetic, and spin-glass phases. Journal of Applied Physics, 1998, 83, 7372-7374.	1.1	4

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91	Strong unidirectional anisotropy in spin-density-wave (Cr+6.5%Co) <sub>1-x</sub> V <sub>x</sub> alloys. Journal of Applied Physics, 2000, 87, 6543-6545.	1.1	4
92	Structural, thermal and magnetic properties of Pr-123 polycrystalline and thin film superconductors. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 283-284.	1.0	4
93	Local magnetic moments in dilute Cr-Nb alloys: the effects of applied magnetic field and Nb concentration. Journal of Physics Condensed Matter, 2005, 17, 2191-2196.	0.7	4
94	Mapping flux avalanches in MgB <sub>2</sub> films—equivalence between magneto-optical imaging and magnetic measurements. Superconductor Science and Technology, 2007, 20, 1092-1092.	1.8	4
95	Morphology of Flux Avalanches in Patterned Superconducting Films. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2285-2288.	0.8	4
96	Anisotropic Flux Penetration in Superconducting Nb Films With Frozen-in In-plane Magnetic Fields. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-5.	1.1	4
97	Enhancing the effective critical current density in a Nb superconducting thin film by cooling in an inhomogeneous magnetic field. Applied Physics Letters, 2021, 119, .	1.5	4
98	Superconducting Properties and Electron Scattering Mechanisms in a Nb Film with a Single Weak-Link Excavated by Focused Ion Beam. Materials, 2021, 14, 7274.	1.3	4
99	Pressure dependence of the phase diagram of metamagnetic Ni(NO <sub>3</sub> ) <sub>2</sub> ·2H <sub>2</sub> O. Journal of Applied Physics, 1982, 53, 7945-7947.	1.1	3
100	A new approach to the experimental determination of the critical temperature of metamagnets. Journal of Magnetism and Magnetic Materials, 1986, 54-57, 715-716.	1.0	3
101	A possible tricritical line in Ni(NO <sub>3</sub> ) <sub>2</sub> · 2H <sub>2</sub> O. Journal of Magnetism and Magnetic Materials, 1987, 66, 397-399.	1.0	3
102	Local Fe moment in commensurate and incommensurate spin-density wave Cr matrix. Journal of Magnetism and Magnetic Materials, 1998, 186, L1-L6.	1.0	3
103	Irreversibility in bulk SDW Cr alloys: relevance for Cr multilayers. Journal of Magnetism and Magnetic Materials, 1999, 198-199, 425-427.	1.0	3
104	Universal temperature behavior of remanent magnetization observed in low-T <sub>c</sub> and high-T <sub>c</sub> Josephson junction arrays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2001, 291, 311-314.	0.9	3
105	Magnetic field effects and DC magnetic susceptibility of chromium near the spin-flip transition. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1086-1088.	1.0	3
106	Magnetic relaxation and magnetization field dependence measurements in La <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> . Journal of Magnetism and Magnetic Materials, 2001, 226-230, 500-501.	1.0	3
107	Evidence of antiferromagnetic phases in discontinuous Fe/CaF <sub>2</sub> multilayers. Journal of Magnetism and Magnetic Materials, 2001, 231, 337-346.	1.0	3
108	Compiling some well-known anomalies of granular superconductors and recognizing their innate dependence on sample preparation and processing. Physica B: Condensed Matter, 2002, 320, 330-332.	1.3	3

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109	On the magnetic properties of BaREO <sub>3</sub> ± $\hat{\Gamma}$ (RE = Pr, Ce and Tb) ceramic samples. Journal of Materials Science Letters, 2003, 22, 623-627.	0.5	3
110	Local spin-density waves in Cr±V alloys: Dependence on temperature and applied magnetic field. Journal of Applied Physics, 2003, 93, 7154-7156.	1.1	3
111	Reentrant magnetic behavior and other oddities related to an intragranular ordered mesh of vacancies in magnesium-deficient MgB <sub>2</sub> . Physica C: Superconductivity and Its Applications, 2004, 408-410, 853-856.	0.6	3
112	Vortex matter in the presence of an array of pinning centers of variable strength. Physica C: Superconductivity and Its Applications, 2008, 468, 820-823.	0.6	3
113	Solid±liquid transition in Nb powder determined by third harmonic susceptibility. Journal of Magnetism and Magnetic Materials, 2008, 320, e510-e512.	1.0	3
114	The role of demagnetizing factors in the occurrence of vortex avalanches in Nb thin films. Journal of Physics: Conference Series, 2009, 150, 052038.	0.3	3
115	Spin texture on top of flux avalanches in Nb/Al <sub>2</sub> O <sub>3</sub> /Co thin film heterostructures. Journal of Applied Physics, 2017, 121, 013905.	1.1	3
116	Optimum heat treatment to enhance the weak-link response of Y123 nanowires prepared by Solution Blow Spinning. Superconductor Science and Technology, 2021, 34, 025009.	1.8	3
117	Isothermal phase diagrams (Hp,P) for metamagnetic Ni(NO <sub>3</sub> ) <sub>2</sub> ±...2H <sub>2</sub> O. Physical Review B, 1989, 40, 2589-2590.	1.1	2
118	Correction to "Simultaneous Determination of Resistivity and Susceptibility in an ac-Susceptometer". IEEE Transactions on Magnetics, 1996, 32, 3335.	1.2	2
119	Susceptibility of dilutely doped CrFe alloys. Journal of Physics Condensed Matter, 1998, 10, 6347-6366.	0.7	2
120	Crystallization observed from the spin behavior in poly(3-methylthiophene). Synthetic Metals, 1999, 101, 355.	2.1	2
121	Vortex-lattice melting in HgBa <sub>2</sub> CaCu <sub>2</sub> O <sub>6</sub> ± $\hat{\Gamma}$ : changes in dimensionality. Physica C: Superconductivity and Its Applications, 2001, 354, 294-298.	0.6	2
122	Spin frustration in Cr alloys with magnetic impurities. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1332-1334.	1.0	2
123	Ferromagnetic-like hysteresis and an exchange biasing effect in bulk spin-density-wave CrCoV alloys. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1083-1085.	1.0	2
124	Magnetic behavior of Co nanostructures deposited in porous Al <sub>2</sub> O <sub>3</sub> templates. Physica B: Condensed Matter, 2002, 320, 192-194.	1.3	2
125	Specific heat of spin-density-wave CrMn alloys. Physica B: Condensed Matter, 2003, 339, 137-141.	1.3	2
126	Effects of small magnetic fields on the critical current of thin films. IEEE Transactions on Applied Superconductivity, 2003, 13, 3699-3701.	1.1	2



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127	Study of the magnetic properties of $\text{La}_{0.53}\text{Tb}_{0.14}\text{Sr}_{0.33}\text{MnO}_3$ sintered in different conditions. Journal of Magnetism and Magnetic Materials, 2004, 279, 51-58.	1.0	2
128	Vortex matter in a thin film of YBCO with columnar indentations very small and moderate field regimes. Physica C: Superconductivity and Its Applications, 2006, 437-438, 254-257.	0.6	2
129	Order-disorder transition of vortex matter in $\text{Mg}_{0.95}\text{B}_2$ . Physica C: Superconductivity and Its Applications, 2008, 468, 753-756.	0.6	2
130	Vortex Matter dynamics in a thin film of Nb with columnar indentations. Journal of Magnetism and Magnetic Materials, 2008, 320, e516-e518.	1.0	2
131	Magnetic response of superconducting mesoscopic-size YBCO powder. Journal of Magnetism and Magnetic Materials, 2008, 320, e507-e509.	1.0	2
132	Vortex glass melting in Mg-deficient $\text{MgB}_2$ . Physical Review B, 2010, 82, .		
133	Change of the vortex lattice symmetry in the vicinity of the macro-to-mesoscopic threshold. Physica C: Superconductivity and Its Applications, 2012, 479, 154-156.	0.6	2
134	Transparency of Planar Interfaces in Superconductors: A Critical-State Analysis. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.1	2
135	The irreversibility line of magnetically grain-aligned Hg-1212 sample Evidences of flux line lattice melting. Physica C: Superconductivity and Its Applications, 1997, 282-287, 2051-2052.	0.6	1
136	Effects of Oxygen on the Phase Diagram of $\text{La}_{1.85}\text{Sr}_{0.15}\text{Cu}_4\text{O}_{14}$ . Materials Science Forum, 1999, 302-303, 159-163.	0.3	1
137	Spin-Glass Phase in Antiferromagnetic CrVMn Alloy. Materials Science Forum, 1999, 302-303, 344-348.	0.3	1
138	Effects of copper deficiency on the magnetic response of $\text{La}_{1.85}\text{Sr}_{0.15}\text{Cu}_4\text{O}_{14}$ . Journal of Applied Physics, 1999, 85, 4515-4517.	1.1	1
139	Grain clusters contribution to the multilevel granular behavior in melt-textured $\text{YBa}_2\text{Cu}_3\text{O}_7$ . Physica C: Superconductivity and Its Applications, 2000, 341-348, 537-538.	0.6	1
140	Design studies of the magnetic properties of structural materials affecting the magnetic field of high-homogeneity superconducting magnets. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 2104-2106.	1.0	1
141	Structural and magnetic properties of $\text{Zn}_4\text{Ni}_3\text{Sb}_2\text{O}_{12}$ thin films deposited by spin coating. Thin Solid Films, 2002, 414, 270-274.	0.8	1
142	Onset temperature of the collective magnetic response of a tridimensional disordered Josephson junction array. Physica C: Superconductivity and Its Applications, 2004, 408-410, 917-918.	0.6	1
143	Building of tridimensional Josephson junction arrays with controlled anisotropy. Physica C: Superconductivity and Its Applications, 2004, 408-410, 919-920.	0.6	1
144	Spin-density-wave glass state in Cr-based alloys with 3d impurities. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1011-E1013.	1.0	1

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145	Spin density wave glass in Cr dilute alloys with Fe and Co. Journal of Magnetism and Magnetic Materials, 2005, 285, 39-54.	1.0	1
146	Frustrated magnetic response of a superconducting Nb film with a square lattice of columnar defects. Journal of Physics: Conference Series, 2008, 97, 012301.	0.3	1
147	Order-disorder transition of vortex matter in Mg <sub>0.9</sub> B <sub>2</sub> : anisotropic effects. Journal of Physics: Conference Series, 2009, 150, 052202.	0.3	1
148	PMN-PT/NFO magnetoelectric characterization and the advantages of the dynamic stress magnetization model. Ferroelectrics, 2021, 582, 12-20.	0.3	1
149	Determination of the spin reorientation direction at the spin-flop transition of CuCl <sub>2</sub> ·2H <sub>2</sub> O, CoCl <sub>2</sub> ·6H <sub>2</sub> O and CoBr <sub>2</sub> ·6H <sub>2</sub> O using transversal differential magnetization measurements. Journal of Magnetism and Magnetic Materials, 1987, 66, 403-408.	1.0	0
150	Magnetic measurements at LNLS. , 0, , .		0
151	Frustrated Magnetization in Pr <sub>x</sub> La <sub>1-x</sub> BaCuO <sub>5</sub> Fe. Materials Science Forum, 1999, 302-303, 353-357.	0.3	0
152	Absence of pinning mechanism change in the second magnetization peak of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.5</sub> at low temperature. Physica C: Superconductivity and Its Applications, 2000, 341-348, 1131-1132.	0.6	0
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